



THE CORPORATION OF THE TOWNSHIP OF PUSLINCH
January 22, 2020 COUNCIL MEETING

A G E N D A

DATE: Wednesday January 22, 2020

CLOSED MEETING: 6:00 P.M.

REGULAR MEETING: 7:00 P.M.

≠ Denotes resolution prepared

1. Call the Meeting to Order
2. Disclosure of Pecuniary Interest & the General Nature Thereof.
3. **CLOSED ITEMS** ≠
 - a) Confidential verbal report by Mary Hasan, Director of Finance/Treasurer, regarding personal matters about an identifiable individual, including municipal or local board employees, labour relations or employee negotiations – 2019 Compensation Update.
 - b) Confidential report PW-2020-001 Lake Avenue by Lynne Banks, Development and Legislative Coordinator, regarding a proposed or pending acquisition or disposition of land by the municipality or local board.
 - c) Confidential verbal report from Sumita Pillay-Dason, Dason Law Office Professional Corporation regarding a proposed or pending acquisition or disposition of land by the municipality or local board – Lake Avenue.
 - d) Adoption and Receipt of Confidential Minutes of the Previous Meetings:
 - January 2, 2020 Closed Council Meeting
 - January 7, 2020 Closed Council Meeting
 - e) Confidential verbal report from Mayor Seeley regarding personal matters about an identifiable individual, including municipal or local board employees.
4. **Adoption and Receipt of Minutes of the Previous Meeting.≠**
 - (a) January 2, 2020 Regular Council Meeting Minutes
 - (b) January 7, 2020 Budget Meeting Minutes



THE CORPORATION OF THE TOWNSHIP OF PUSLINCH 2020 MEETING

(c) January 16, 2020 Proposed 2020 Budget Public Information Meeting Minutes

5. Business Arising Out of the Minutes.

6. **PUBLIC MEETINGS**

1. **Zoning By-law amendment D14/DAY – Andrew and Ann Day – Part Lot 26, Concession Gore, 7171 Concession 1 & 4071 Side Road 25 South.**

***note this Public Information Meeting will be held on February 19th , 2020 at 6:30 p.m. at the Municipal Complex – 7404 Wellington Rd. 34**

7. **COMMUNICATIONS**

1. Correspondence from the City of Cambridge with respect to a Public Information Centre Meeting regarding Black Bridge Road and Townline Road Preliminary Design, dated January 15, 2020.
2. Notification from CBM Aggregates regarding the Ontario Resource Levy increase and the Federal Carbon Tax, dated December 19, 2019.
3. Correspondence with respect to the 2018-2019 Chief Drinking Water Inspector Annual Report and Minister's Annual Report on Drinking Water 2019, dated December 20, 2019.
4. Correspondence from CBM Aggregates regarding a request to meet with the Township's Hydrogeologist and Ecologist with respect to CBM Lake Pit Proposal, dated January 6, 2020.
 - (a) Greg Scheifele, Principal Ecologist/Forester, GWS Ecological & Forestry Services Inc., response to the request made by CBM.
 - (b) Stan Denhoed, response to the request made by CBM.
5. Correspondence from David Hanratty, CBM, with respect to the CBM Lanci Pit Expansion, dated January 14, 2020.
6. Report prepared by Charles Hamilton, Wellington County Fire Officer regarding Wellington County Fire Training Officer's annual 2019 report, dated December 2, 2019



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7. Notification from Canada's Museums of Science and Innovation regarding two travelling exhibitions, dated January 15, 2020.
8. Correspondence from Lake Erie Region Source Protection Committee regarding support for actions to address over-application of winter maintenance chemicals to protect sources of municipal drinking water, dated January 14, 2020.

9. **Intergovernmental Affairs**

- (a) Various correspondence for review.

8. **DELEGATIONS / PRESENTATIONS**

None

9. **REPORTS**

1. **Puslinch Fire and Rescue Services**

- (a) None

2. **Finance Department**

- (a) Report FIN-2020-008 – 2020 Budget – Final
- (b) Report FIN-2020-009 – 2020 Remuneration By-law (to be provided at the Council meeting)
- (c) Report FIN-2020-010 – Overtime and Lieu Policy Amendments

3. **Administration Department**

- (a) Report ADM-2020-001 - Draft Property Standards By-law

4. **Planning and Building**

- (a) Report PD-2020-002 GRCA Wells Decommissioning
- (b) Report BLDG-2020-001 Building Monthly Update December 2019



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5. **Roads & Parks Department**

- (a) None

6. **Recreation Department**

- (a) Report REC-2020-001 School Board request for Sledge Hockey ≠

7. **Mayor's Updates**

- a) Summary update from the January 15, 2020 meeting with Hon. Ted Arnott regarding the Morriston Highway 6 By-pass.
- b) Proposed meeting with the University of Guelph regarding the future use of University of Guelph lands.

10. **NOTICES OF MOTION**

None.

11. **COMMITTEE MINUTES ≠**

- (a) December 10 2019 Committee of Adjustment Meeting Minutes
- (b) December 10 2019 Planning and Development Advisory Committee Minutes

12. **MUNICIPAL ANNOUNCEMENTS**

13. **UNFINISHED BUSINESS**

14. **BY-LAWS ≠**

- (a) BL2020-007 Being a By-law to Establish and Define Discretionary Reserves
- (b) BL2020-008 Being a by-law to adopt the Budget for the Corporation of the Township of Puslinch for the year 2020
- (c) BL2020-009 Being a by-law to establish the rates of remuneration to Staff of the Corporation of the Township of Puslinch (to be provided at the Council meeting)



THE CORPORATION OF THE TOWNSHIP OF PUSLINCH
2020 MEETING

15. **CONFIRMING BY-LAW** ≠

- (a) By-law to confirm the proceedings of Council for the Corporation of the Township of Puslinch.

16. **ADJOURNMENT** ≠

MINUTES

DATE: January 2, 2020

CLOSED MEETING: Immediately following the Regular Meeting

REGULAR MEETING: 1:00 P.M.

The January 2, 2020 Regular Council Meeting was held on the above date and called to order at 1:00 p.m. in the Council Chambers, Aberfoyle.

1. ATTENDANCE:

Mayor James Seeley
Councillor Matthew Bulmer
Councillor Jessica Goyda
Councillor Sara Bailey
Councillor John Sepulis

STAFF IN ATTENDANCE:

1. Glenn Schwendinger, CAO/Clerk
2. Mike Fowler, Supervisor of Public Works and Parks
3. Courtenay Hoytfox, Development and Legislative Coordinator

2. DISCLOSURE OF PECUNIARY INTEREST & THE GENERAL NATURE THEREOF:

Councillor Goyda declared a potential pecuniary interest related to item 7.1 Pre-consultation comments regarding the proposed Lanci Pit expansion, item 7.2 Correspondence from CBM St. Mary's Cement with respect to CBM Roszell Pit, and item 7.9 Queens Park Update –Bill 132 as a family member operates an aggregate operation in the Township.

3. ADOPTION OF THE MINUTES:

(a) December 18, 2019 Council Meeting

Resolution No. 2020-008:

Moved by Councillor Goyda and
Seconded by Councillor Sepulis

That the minutes of the following meetings be adopted as written and distributed:

(a) **December 18, 2019 Regular Council Meeting**

CARRIED

4. BUSINESS ARISING OUT OF THE MINUTES:

5. PUBLIC MEETINGS:

1. Notice of Public Information 2020 Budget Public Information Meeting

***note this Public Information Meeting will be held on January 16, 2020 at 7:00 p.m. at the Municipal Complex – 7404 Wellington Rd. 34**

6. COMMUNICATIONS:

Councillor Goyda declared a potential pecuniary interest related to item 7.1 Pre-consultation comments regarding the proposed Lanci Pit expansion, item 7.2 Correspondence from CBM St. Mary's Cement with respect to CBM Roszell Pit, and item 7.9 Queens Park Update –Bill 132, as a family

member operates an aggregate operation in the Township and refrained from discussions and voting on that item.

- (1) Pre-consultation comments regarding the proposed Lanci Pit expansion prepared by Emily Vandermeulen, Risk Management Inspector, Wellington Source Water Protection, dated November 20, 2019.

- **Council directed staff to send correspondence to Kyle Davis, Wellington Source Water Protection, regarding what portion of the water taking related to the Lanci Pit expansion is considered consumptive.**

Councillor Goyda declared a potential pecuniary interest related to item 7.1 Pre-consultation comments regarding the proposed Lanci Pit expansion, item 7.2 Correspondence from CBM St. Mary's Cement with respect to CBM Roszell Pit, and item 7.9 Queens Park Update –Bill 132, as a family member operates an aggregate operation in the Township and refrained from discussions and voting on that item.

- (2) Correspondence from CBM St. Mary's Cement with respect to CBM Roszell Pit ARA #625189 Site Monitoring Update – Pond #3 Extraction, dated November 28, 2019.

Resolution No. 2020-009:

Moved by Councillor Sepulis and
Seconded by Councillor Bailey

That Council receives the Correspondence from CBM St. Mary's Cement with respect to CBM Roszell Pit ARA #625189 Site Monitoring Update – Pond #3 Extraction, dated November 28, 2019; and

That Council direct staff to send the report to the Township's hydrogeologist for review and comment on the adequacy of the existing model and the impacts on neighbouring ponds and forward this review to the Ministry of Natural Resources and Forestry.

CARRIED

- (3) Wellington Common Elements Condominium Corporation No. 214 (Mini Lakes) Communal Well Supply 2018 Report from the MECP dated October 25, 2019.

- **That staff review in conjunction with Wellington Common Elements Condominium Corporation No. 214 (Mini Lakes) next quarterly report.**

- (4) Wellington Common Elements Condominium Corporation No. 214 (Mini Lakes) 2020 Budget: Communal Water System and Sewage Treatment System dated December 18, 2019

- **That staff review in conjunction with Wellington Common Elements Condominium Corporation No. 214 (Mini Lakes) next quarterly report.**

- a) Wellington Common Elements Condominium Corporation No. 214 (Mini Lakes) 2020 Reserve Fund dated December 18, 2019.

- **That staff review in conjunction with Wellington Common Elements Condominium Corporation No. 214 (Mini Lakes) next quarterly report.**

7. Intergovernmental Affairs

Resolution No. 2020-010:

Moved by Councillor Sepulis and
Seconded by Councillor Bailey

Councillor Goyda declared a potential pecuniary interest related to item 7.1 Pre-consultation comments regarding the proposed Lanci Pit expansion, item 7.2 Correspondence from CBM St. Mary's Cement with respect to CBM Roszell Pit, and item 7.9 Queens Park Update –Bill 132, as a

family member operates an aggregate operation in the Township and refrained from discussions and voting on that item.

That Council receives the Intergovernmental item 7.9 Queens Park Update; and

That Council direct staff to send correspondence in support of AMO's position on the Legislative Changes in Bill 132 with respect to the Aggregate Resources Act and the Safe Drinking Water Act.

CARRIED

Resolution No. 2020-011:

Moved by Councillor Sepulis and
Seconded by Councillor Bailey

That Council direct staff to inquire with the Township insurance company to better understand the liability concerns and other implications associated with implementing by-laws to allow off-road vehicles to be driven on municipal highways; and

That the Township inquire with Wellington OPP with respect to the enforcement component of allowing off-road vehicles on municipal highways.

CARRIED

Resolution No. 2020-012:

Moved by Councillor Bulmer and
Seconded by Councillor Goyda

That Council send a letter of support in principle with respect to the Township of Greater Madawaska's Council resolution to allow for electronic delegations to the Provincial Ministers.

CARRIED

Resolution No. 2020-013:

Moved by Councillor Sepulis and
Seconded by Councillor Bailey

That the Intergovernmental Affairs correspondence items listed on the Council Agenda for JANUARY 2, 2020 Council meeting be received.

CARRIED

8. DELEGATIONS/PRESENTATIONS

1:05 p.m. – Declaration of Office made by Sara Bailey.

Resolution No. 2020-014:

Moved by Councillor Goyda and
Seconded by Councillor Sepulis

That Council receives the Declaration of Office made by Sara Bailey.

CARRIED

9. REPORTS:

1. Finance Department

(a) Report FIN-2020-001 regarding the 2020 Interim Property Tax Levy and Due Dates

Resolution No. 2020-015:

Moved by Councillor Sepulis and
Seconded by Councillor Goyda

That Report FIN-2020-001 regarding the 2020 Interim Property Tax Levy and Due Dates be received; and

That Council enact a by-law to provide for the levy and collection of the 2020 Interim Tax Levy.

CARRIED

(b) Report FIN-2020-002 regarding the Third Quarter Financial Report – 2019

Resolution No. 2020-016:

Moved by Councillor Sepulis and
Seconded by Councillor Goyda

THAT Report FIN-2020-002 regarding the Third Quarter Financial Report – 2019 be received.

CARRIED

2. Planning and Building Department

- a. Report PD-2020-001 regarding the exemption for Part Lot Control regarding the properties know as 14 and 18 Elizabeth Place

Resolution No. 2020-017:

Moved by Councillor Sepulis and
Seconded by Councillor Goyda

That Report PD-2020-001 regarding the exemption for Part Lot Control regarding the properties know as 14 and 18 Elizabeth Place, Puslinch, be received for information; and

That Council authorize a by-law to remove part lot control from Lots 28 and 29 on Registered Plan 61M-153.

CARRIED

3. Mayor's Updates

10. NOTICE OF MOTION:

None

11. COMMITTEE MINUTES

None

12. MUNICIPAL ANNOUNCEMENTS

- (a) Councillor welcomed Glenn Schwendinger as the Township's CAO/Clerk and to his first Council meeting.

13. UNFINISHED BUSINESS

14. BY-LAWS:

Resolution No. 2020-018:

Moved by Councillor Bailey and
Seconded by Councillor Bulmer

That the following By-laws be taken as read three times and finally passed in open Council:

- (a) By-law 2020 – 001 Being a by-law to provide for an interim tax levy for 2020 and the collection thereof.
- (b) By-law 2020 – 002 Being a By-law to exempt certain lands from the part lot control provision of the *Planning Act*.

CARRIED

7. CLOSED MEETING

Council was in closed session from 2:30 p.m. to 4:15 p.m.

Resolution No. 2020-019:

Moved by Councillor Bulmer and
Seconded by Councillor Bailey

That Council shall go into closed session under Section 239 of the Municipal Act for the purpose of:

- (a) **Confidential Verbal report by Marianne Love, ML Consulting, regarding personal matters about an identifiable individual, including municipal or local board employees, labour relations or employee negotiations – 2019 Compensation Update.**
- (b) **Confidential report by Glenn Schwendinger, CAO/Clerk, regarding personal matters about an identifiable individual, including municipal or local board employees, labour relations or employee negotiations – 2019 Compensation Update.**

CARRIED

Resolution No. 2020-020:

Moved by Councillor Bailey and
Seconded by Councillor Bulmer

THAT Council moves into open session.

CARRIED

Council resumed into open session at 4:15 p.m.

Resolution No. 2020-021:

Moved by Councillor Bailey and
Seconded by Councillor Bulmer

That Council receives the:

- (a) **Confidential Verbal report by Marianne Love, ML Consulting, regarding personal matters about an identifiable individual, including municipal or local board employees, labour relations or employee negotiations – 2019 Compensation Update.**
- (b) **Confidential report by Glenn Schwendinger, CAO/Clerk, regarding personal matters about an identifiable individual, including municipal or local board employees, labour relations or employee negotiations – 2019 Compensation Update; and**

That staff report back as directed in regards to the compensation review.

CARRIED

15. CONFIRMING BY-LAW



(a) By-Law to confirm the proceedings of Council for the Corporation of the Township of Puslinch

Resolution No. 2020-022:

Moved by Councillor Bailey and
Seconded by Councillor Bulmer

That the following By-law be taken as read three times and finally passed in open Council:

By-Law 003-2020 being a by-law to confirm the proceedings of Council for the Corporation of the Township of Puslinch at its meeting held on the 2 day of January 2020.

CARRIED

16. ADJOURNMENT:

Resolution No. 2020-023:

Moved by Councillor Bailey and
Seconded by Councillor Bulmer

That Council hereby adjourns at 4:17 p.m.

CARRIED

James Seeley, Mayor

Glenn Schwendinger, CAO/Clerk

MINUTES

DATE: January 7, 2020

CLOSED MEETING: 1:00 P.M.

REGULAR MEETING: 1:30 P.M.

The January 7, 2020 Budget Council Meeting was held on the above date and called to order at 1:00 p.m. in the Council Chambers, Aberfoyle.

1. ATTENDANCE:

Mayor James Seeley
Councillor Jessica Goyda
Councillor Sara Bailey
Councillor Matthew Bulmer
Councillor John Sepulis

STAFF IN ATTENDANCE:

1. Glenn Schwendinger, CAO/Clerk
2. Mary Hasan, Director of Finance/Treasurer
3. Mike Fowler, Supervisor of Public Works and Parks
4. Courtenay Hoytfox, Development and Legislative Coordinator

2. DISCLOSURE OF PECUNIARY INTEREST & THE GENERAL NATURE THEREOF:

3. CLOSED MEETING

Council was in closed session from 1:02 p.m. to 1:30 p.m.

Resolution No. 2020-024:

Moved by Councillor Goyda and
Seconded by Councillor Sepulis

That Council shall go into closed session under Section 239 of the Municipal Act for the purpose of:

- (a) **Confidential report FIN-2020-003 by Mary Hasan, Director of Finance/Treasurer, regarding personal matters about an identifiable individual, including municipal or local board employees, labour relations or employee negotiations – 2019 Compensation Update.**

CARRIED

Resolution No. 2020-025:

Moved by Councillor Sepulis and
Seconded by Councillor Goyda

THAT Council moves into open session.

CARRIED

Resolution No. 2020-026:

Moved by Councillor Goyda and
Seconded by Councillor Sepulis

That Council receives the:

- (a) **Confidential report FIN-2020-003 by Mary Hasan, Director of Finance/Treasurer, regarding personal matters about an identifiable individual, including municipal or local board employees, labour relations or employee negotiations – 2019 Compensation Update; and**

That staff proceed as directed.

CARRIED

4. ADOPTION OF THE MINUTES:

(a) January 2, 2020 Budget Council Meeting

Resolution No. 2020-027:

Moved by Councillor Sepulis and
Seconded by Councillor Goyda

That the minutes of the following meetings be adopted as written and distributed:

(a) **January 2, 2020 Budget Council Meeting**

CARRIED

7. REPORTS:

1. Finance Department

1. Report FIN-2020-004 regarding the 2020 Grant Application Program

Resolution No. 2020-028:

Moved by Councillor Goyda and
Seconded by Councillor Sepulis

THAT Report FIN-2020-004 regarding the 2020 Grant Application Program be received; and

That Council approves a grant allocation of \$25 000 for the Puslinch Lake Conservation Association.

CARRIED

2. Report FIN-2020-005 regarding the 2020 Capital and Operating Budget Update

Resolution No. 2020-029:

Moved by Councillor Bailey and
Seconded by Councillor Bulmer

THAT Report FIN-2020-005 regarding the 2020 Capital and Operating Budget Update be received.

CARRIED

Council directed staff as follows:

- Staff be directed to send a letter to the federal government regarding the status of federal approval for the Investing in Canada Rural and Northern Communities application for Moyer's Bridge and to request notification of when funding will be received.
- Staff be directed to include \$500 in the budget to support the 100th anniversary of the Cenotaph in 2020
- Staff be directed to include an additional \$5,000 in the budget for finalizing of the Gravel Roads Study due to the scope changes to the study.
- Staff be directed to include \$40,674 for the Compensation Review Adjustment estimate.
- Staff be directed to include an additional amount of \$41,800 to be contributed to the Asset Management Discretionary Reserve in order to address the Township's infrastructure needs over its forecast period.
- Council authorized including for the Budget Public Meeting a Township tax rate increase of 3.72% or \$36.90 per year which results in a blended tax rate increase (which includes the County of Wellington's estimated tax rate and the Education tax rate) of 1.52% or \$85.39 per year for the median/typical single family detached dwelling in the Township.

- Council directed staff to include in the Public Meeting Presentation a graph on the balance in the Asset Management Discretionary Reserve over the forecast period.

3. Report FIN-2020-007 regarding the Balances in Discretionary and Restricted Reserves

Resolution No. 2020-030:

Moved by Councillor Bailey and
Seconded by Councillor Bulmer

That Report FIN-2020-007 regarding the Balances in Discretionary and Restricted Reserves be received.

CARRIED

8. CONFIRMING BY-LAW

(a) By-Law to confirm the proceedings of Council for the Corporation of the Township of Puslinch

Resolution No. 2020-031:

Moved by Councillor Bulmer and
Seconded by Councillor Bailey

That the following By-law be taken as read three times and finally passed in open Council:

By-Law BL-2020-005 being a by-law to confirm the proceedings of Council for the Corporation of the Township of Puslinch at its meeting held on the 7th day of January 2020

CARRIED

9. ADJOURNMENT:

Resolution No. 2020-032:

Moved by Councillor Bulmer and
Seconded by Councillor Bailey

That Council hereby adjourns at 3:07 p.m.

CARRIED

James Seeley, Mayor

Glenn Schwendinger CAO/Clerk



THE CORPORATION OF THE TOWNSHIP OF PUSLINCH PUBLIC INFORMATION MEETING MINUTES

DATE: Thursday January 16, 2020

TIME: 7:00 p.m.

PLACE: Council Chambers, 7404 Wellington Road 34

FILE: Public Meeting – 2020 Budget

MEMBERS: Mayor James Seeley – Chair
Councillor Matthew Bulmer
Councillor Jessica Goyda
Councillor John Sepulis
Councillor Sara Bailey

The Public Information Meeting was called to order at 7:00 p.m.

Presentation:

Mary Hasan, Director of Finance/Treasurer provided an overview of the proposed 2020 budget, including:

- The budget process.
- What do property taxes pay for in the Township?
- How the budget has changed from 2019
- The impacts of the proposed budget on taxpayers
- What is included in the operating budget
- The 2020 Capital Budget and Long-Term Forecast
- The Township's Discretionary and Restricted Reserves

Mayor Seeley then invited members of the public to provide comments.

Comments:

Kathy White: Why was the decision made to combined the discretionary funds into one fund?

Mary Hasan, Director of Finance/Treasurer indicated that all the previous asset replacement discretionary reserves were compartmentalized on a departmental basis. The 2019 Asset Management Plan recommended a consolidated Asset Management Discretionary Reserve to fund 100% of asset replacement costs in the Township's Capital Budget and Forecast. As part of the 2020 budget, staff have reallocated all departmental capital discretionary reserves related to asset replacement into a consolidated Asset Management Discretionary Reserve. Staff have also funded 100% of the costs of asset replacement projects in the 2020 Capital Budget and Forecast by the Asset Management Discretionary Reserve. This approach provides a better reflection of the total dollars required to be contributed to this discretionary reserve in order to meet the Township's funding obligations associated with its current infrastructure.

Kathy White: Can you provide more detail about the Township's animal control services regarding the costs and the services. The current service level does not include wild animals. Is it time to look at the wild life services as well?

Mary Hasan, Director of Finance/Treasurer indicated that the Township issued a Request for Proposal for Animal Control Services in early 2019 and the successful proponent was Cambridge and District Humane Society. The Township also obtained cost estimates for increasing its service level for animal control services and the costs were quite significant.

Adjournment:



THE CORPORATION OF THE TOWNSHIP OF PUSLINCH PUBLIC INFORMATION MEETING

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The meeting adjourned at 7:30 p.m.



Public Information Centre (PIC) Meeting

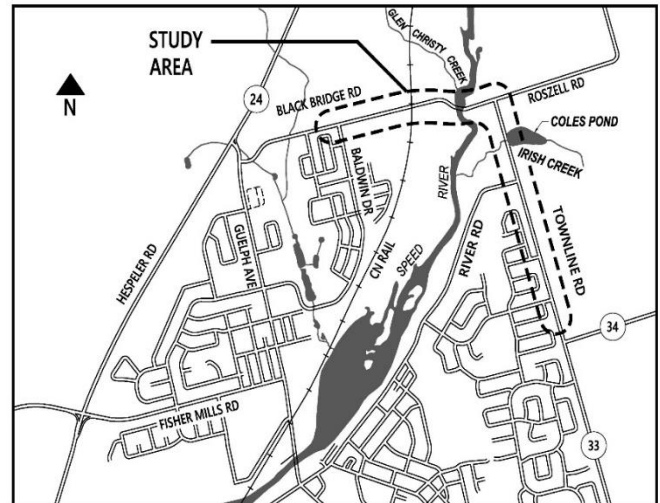
City of Cambridge Black Bridge Road and Townline Road Preliminary Design

INTRODUCTION

The City of Cambridge is completing the Preliminary Design for roadway improvements on Black Bridge Road/Townline Road and the realignment of the Black Bridge Road Bridge over the Speed River. The Preliminary Design will address the current and future operational needs considering all modes of travel.

STUDY PROCESS

The City of Cambridge previously completed a Municipal Class Environmental Assessment (Class EA) in 2017 that resulted in the recommended alternative for realignment of the Black Bridge Road Bridge, improvements to Black Bridge Road/Townline Road and conversion of the historic Black Bridge Road Bridge truss structure into a multi-use trail for pedestrians/cyclists. The City is holding this meeting to present the Preliminary Design to the public prior to initiating Detail Design and construction.



PUBLIC CONSULTATION

The City wishes to ensure that anyone interested in this Project has the opportunity to be involved and provide input. This meeting is being held to provide information and receive feedback from the public and stakeholders. At this open house style meeting, the City will present background information, the Preliminary Design and next steps.

The Public Information Centre meeting is scheduled for:

Date: Thursday, January 30, 2020

Time: 4:30 to 7:00 pm

Location: Optimist Room, Hespeler Arena, 640 Ellis Road, Cambridge ON

For more information, or if you wish to be placed on the project's mailing list, please contact:

Steve Taylor, P.Eng.
EA Project Manager
BT Engineering Inc.
509 Talbot Street
London, Ontario N6A 2S5
Tel: 519-672-2222
Fax: 1-519-488-0775
Email: stevenj.taylor@bteng.ca

Scott MacDonald, P.Eng.
Project Engineer
City of Cambridge
50 Dickson Street
Cambridge, Ontario N1R 8S1
Tel: 519-623-1340 ext. 4679
Email: macdonaldscott@cambridge.ca

All information will be collected in accordance with the *Freedom of Information and Protection of Privacy Act* (2009). With the exception of personal information, all comments will become part of the public record. Persons will be advised of future communication opportunities.

RECEIVED

JAN 02 2020

Township of Puslinch

December 19, 2019

To Our Valued Customers,**Ontario Resource Levy Increase Notification Letter**

The Government of Ontario has announced that the Ontario Regulation 244/97 under the Aggregate Resources Act (ARA) has been amended to make changes to aggregate fees. Starting on January 1, 2020 the Ontario Aggregate Resource Levy will increase from 20.2 cents to 20.6 cents per tonne. The amended Ontario Regulation 244/97 can be viewed at: www.ontario.ca/laws.

Federal Carbon Tax

Starting April 1, 2020 CBM Aggregates will be charging a Carbon Tax to recover Costs due to the Federal Government Gas Pollution Pricing Act. The cost Recovery charge will be calculated by converting a dollar / tonne of carbon dioxide equivalent (CO₂e) and these rates will increase each April 1st. You can see the rates and increases on the Canadian Revenue Agency (CRA) website at: https://www.fin.gc.ca/n18/data/18-097_1-eng.asp.

We thank you for your valued business and looking forward to supplying you with all your aggregate needs. If you have any concerns or Inquiries, please contact me or you sales representative.

Sincerely,

Ryan Held
Sr. Sales Manager
CBM Aggregates

Courtenay Hoytfox

From: Admin
Sent: Monday, December 23, 2019 2:19 PM
To: Courtenay Hoytfox
Subject: FW: 2018-2019 Chief Drinking Water Inspector Annual Report and Minister's Annual Report on Drinking Water 2019 now available / Le rapport annuel de 2018-2019 de l'inspectrice en chef de l'eau potable est maintenant disponible

Follow Up Flag: Follow up
Flag Status: Flagged

From: "Water, Drinking (MECP)" <Drinking.Water@ontario.ca>

Date: December 20, 2019 at 4:23:03 PM EST

To:

Subject: 2018-2019 Chief Drinking Water Inspector Annual Report and Minister's Annual Report on Drinking Water 2019 now available / Le rapport annuel de 2018-2019 de l'inspectrice en chef de l'eau potable est maintenant disponible

Ontario's government is taking action to protect the province's drinking water and water resources as part of its draft Made-in-Ontario Environment Plan to keep Ontarians safe and pass on a cleaner environment to future generations.

Today, the Ministry of the Environment, Conservation and Parks released the [Minister's Annual Report on Drinking Water 2019](#) and the [2018-2019 Chief Drinking Water Inspector Annual Report](#).

The Minister's Annual Report on Drinking Water 2019 showcases the work Ontario is doing to protect our drinking water and water resources. The Chief Drinking Water Inspector's Annual Report provides an overview of the ministry's progress during 2018-19 and includes in-depth information on the performance of Ontario's drinking water systems and licensed and eligible laboratories.

The reports showcase the province's strong monitoring, reporting and enforcement activities and programs and how these actions help ensure Ontario's drinking water is among the best protected in the world.

This includes reporting on the tests results for lead in drinking water. Ontario's Chief Medical Officer of Health has not received any reports of lead toxicity in Ontario children that have been linked primarily to drinking water in the last 10 years. At the same time, blood lead levels of Canadians have also declined by over 70 per cent in the past 40 years due to ongoing actions to reduce lead exposure from all sources.

Visit Ontario's Data Catalogue to see the supporting [Drinking Water Quality and Enforcement](#) data. For more information on the drinking water quality and enforcement data, please call the drinking water help line at 1-866-793-2588 between the hours of 9 a.m. to 5 p.m. from Monday to Friday or email waterforms@ontario.ca.

Dans le cadre de son projet de Plan environnemental pour l'Ontario, le gouvernement de l'Ontario prend des mesures pour protéger son eau potable et ses ressources en eau afin d'assurer la sécurité de la population ontarienne et de transmettre un environnement plus propre aux générations futures.

Aujourd'hui, le ministère de l'Environnement, de la Protection de la nature et des Parcs a publié le [Rapport annuel 2019 du ministre sur l'eau potable](#) et le [Rapport annuel 2018-2019 de l'inspectrice en chef de l'eau potable](#).

Le Rapport annuel 2019 du ministre sur l'eau potable met en lumière le travail qu'accomplit l'Ontario pour protéger l'eau potable et les ressources en eau de la province. Le Rapport annuel 2018-2019 de l'inspectrice en chef de l'eau potable, présente un aperçu des progrès réalisés par le ministère au cours de l'année 2018-2019 et contient des renseignements détaillés sur les résultats d'analyse obtenus par les réseaux d'eau potable de l'Ontario et les laboratoires admissibles et autorisés.

Les rapports témoignent des programmes du gouvernement et de ses activités rigoureuses de surveillance, de reddition de comptes et d'application des lois et règlements et la façon dont ces activités aident à garantir que l'eau potable de l'Ontario fasse partie des eaux potables les mieux protégées au monde.

Ces activités comprennent la production de rapports sur les résultats des analyses de teneurs en plomb dans l'eau potable. Au cours des dix dernières années, le médecin hygiéniste en chef de l'Ontario n'a reçu aucun signalement de toxicité au plomb chez les enfants de l'Ontario qui aurait été liée principalement à l'eau potable. Par ailleurs, les taux de plomb dans le sang des Canadiens ont également diminué de plus de 70 pour cent au cours des 40 dernières années grâce à des mesures continues visant à diminuer leur exposition au plomb provenant de toutes les sources.

Visitez le Catalogue de données de l'Ontario pour prendre connaissance des données justificatives sur la [qualité de l'eau potable et l'application des règlements](#). Pour obtenir plus de renseignements sur les données relatives à la qualité de l'eau potable et à l'application des règlements, veuillez téléphoner au service d'assistance en matière d'eau potable au 1-866-793-2588 de 9 h à 17 h du lundi au vendredi, ou envoyez un courriel à l'adresse waterforms@ontario.ca.

January 6, 2020

Courtenay Hoytfox
Development and Legislative Coordinator
Township of Puslinch
7404 Wellington Road 34
Puslinch, ON N0B 2J0

**RE: CBM LAKE PIT PROPOSAL – REQUEST TO MEET WITH TOWNSHIP’S HYDROGEOLOGIST
COUNCIL RESOLUTION NO. 2019-450**

Dear Ms. Hoytfox:

Further to our Council delegation presented by Mr. Neal DeRuter from MHBC Planning on behalf of CBM Aggregates on December 18, 2019, and the subsequent Council resolution noted above, we are providing the following additional information to assist with the Township’s consideration of this matter.

CBM is requesting that the Council authorize the Township’s consulting hydrogeologist to meet with CBM’s hydrogeological consultant to review and provide input on the preliminary groundwater modelling scenarios that are being prepared as part of the Level 1/2 Hydrogeological Assessment for the future pit application under the Aggregate Resources Act. We are also open to meeting with the Township’s consulting ecologist at the same time should this be requested.

The purpose of the meeting would be to present some initial approaches and resultant findings of the groundwater model that has been developed by CBM’s consultant to date. Given the experience of the Township’s consultants in the area, we feel that a meeting at this stage would be prudent to ensure that a future application takes into consideration any feedback, concerns or suggestions from the Township’s representatives prior to a full application submission.

At this stage we would envisage the need for a minimum half a day of the Township’s consultant’s time (e.g. 4hrs), plus travel to CBM’s consultants’ office in Mississauga (if needed).

As mentioned, we believe it would be beneficial to the overall application process to obtain input from the Township's hydrogeologist early on before the modelling scenarios and the respective technical reports are finalized. We are not looking for the hydrogeologist to take a position on the application or provide an opinion but rather we look at this as an opportunity to exchange ideas and comments as it relates to the groundwater model.


CBM is, of course, committed to participating in a formal pre-consultation meeting(s) with the review agencies, which would include the Township, County, GRCA and MNRF. However, the scope of this future meeting(s) is typically more general and does not get into the same level of technical detail as we are looking for with the above requested groundwater modelling meeting.

Regarding the discussion on costs for such a meeting, CBM agrees to cover reasonable costs associated with the Township hydrogeologist's time to meet with CBM and review the groundwater modelling scenarios and any time associated with travel outside of the Township, should that be necessary. We understand that the hydrogeologist will be providing an estimate of costs based on the projected time and scope requirements outlined above, which CBM will have the chance to review.

We hope this additional information assists in the Township's consideration of this matter. Please contact us if you have any questions.

Yours truly,

CBM AGGREGATES


David Hanratty, P.Geo.
Director of Land & Resources, North America

Email: david.hanratty@vcimentos.com

Mobile: 705-930-6180

Courtenay Hoytfox

From: gwsefs@sympatico.ca
Sent: Monday, January 13, 2020 11:38 AM
To: Courtenay Hoytfox
Subject: CBM Lake Property

Courtenay,

As requested, I have reviewed CBM's letter requesting hydrogeological input from the Township's consulting hydrogeologist and possibly the Township's consulting ecologist. CBM suggests meeting in Mississauga at Golder's office to review preliminary groundwater modelling scenarios for proposed aggregate extraction on the lake property instead of CBM's office in Puslinch or the proposed development site. I have never been to the Lake property and have no knowledge of it since there has not been a formal pre-consultation meeting. Consequently, I don't think I would have much to contribute to a meeting that was mainly focused on Hydrogeological modelling. However, if the Township wanted me to attend this meeting I would have to make a special trip from the Owen Sound area to Mississauga (approximately 2 ½ hrs one way) and my cost estimate is \$1,500.00 including kilometrage plus HST. At this early stage in the development approval process I would not be prepared to provide any written comments on the proposal that could potentially limit or compromise the future review of this application.

Please note that I will be leaving for a planned vacation later this week and will not be back in the office until February 3, 2020.

Regards,

Greg Scheifele M.A.,R.P.F.
Principal Ecologist/Forester
GWS Ecological & Forestry Services Inc.
182 Ishwar Drive
Kemble, ON N0H 1S0
Tel: 519-371-0693
Cell: 519-277-3084
gwsefs@sympatico.ca

Courtenay Hoytfox

From: Stan Denhoed <sdenhoed@hardenv.com>
Sent: Thursday, January 16, 2020 4:30 PM
To: Courtenay Hoytfox
Subject: Re: FW: CBM Lake Pit Resolution

Including travel time to Mississauga, a four hour meeting the cost would be \$1,080 plus HST.

January 14, 2020

Courtenay Hoytfox
Development and Legislative Coordinator
Township of Puslinch
7404 Wellington Road 34
Puslinch, ON N0B 2J0

RE: CBM Lanci Pit Expansion – Overview and Update

Dear Ms. Hoytfox:

We understand that at the Council meeting on January 2, 2020, Council had some questions regarding the Lanci Pit Expansion application. The purpose of this letter is to clarify some of the matters that were discussed.

First, the lands subject to the proposed application as identified in the Wellington Source Water comments dated November 20, 2019 are incorrect. The current application only includes 3 parcels of land, not 10 contiguous parcels. The comments mistakenly included the existing CBM Lanci Pit, which had previously been approved and licenced under the Aggregate Resources Act a number of years ago.

Please refer to the enclosed map of the lands subject to the pit expansion application. The subject lands are located immediately south of the existing Lanci Pit and are comprised of three properties. The proposed licensed area of the pit is approximately 14.8 ha (36.6 ac).

Second, the lot line adjustment for the parcel referred to as “Gots” has been completed. The County’s Land Division Committee approved the lot line adjustment on May 9, 2019. There were no appeals received. The conditions have been satisfied and the deal to purchase the lands has been closed. As a result, CBM’s proposed expansion lands are now immediately adjacent to the existing Lanci Pit and will result in a contiguous expansion of the current operation if approved.

As discussed at our pre-consultation meeting in July 2019, the proposed pit expansion would require the following approvals:

1. Pit licence under the Aggregate Resources Act (Ministry of Natural Resources and Forestry)
2. County Official Plan Amendment
3. Township Zoning By-law Amendment

We are close to finalizing these applications, which will be submitted concurrently, and expect that this will occur in the next couple of months. We will notify you in advance before the applications are submitted.

We also wanted to provide a couple comments on the discussion regarding source water protection and water use. There will be no water taking or dewatering at this proposed below water pit. A comprehensive hydrogeological assessment has been undertaken to evaluate and assess potential impacts on both surface and groundwater during and after extraction is completed. This assessment will be subject to expert technical review. The assessment will also address the Wellington Source Water comments.

There has also been some concern raised recently related to evaporation from lakes that are created post aggregate extraction. This issue has been studied extensively in Ontario over the years, and while evaporation does occur from the lakes, a full water balance study will typically show groundwater recharge, overall, tends to be similar to pre-development conditions.

Please feel free to circulate this letter to Township Council for their information. We will continue to keep the Township informed as we proceed through this process.

If you have any questions, please let me know.

Yours truly,

CBM Aggregates






David Hanratty, P.Geo.
Director of Land & Resources, North America



Figure 2:
Site Environs

LEGEND

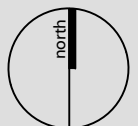
-  Subject Lands
-  Parcel Boundary
-  Off-Site Houses

DATE: December, 2019

SCALE: NTS

FILE: Y321V

DRN: GC



K:\Y321V-CBM-LANCI PIT EXTENSION\IPT\SITE_ENVIRONS_LETTER.DWG

Part of Lot 25, Concession 1
Township of Puslinch
County of Wellington

Source: Google Satellite Imagery - July, 2018



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Wellington County Training Officer

Centre Wellington Fire & Rescue
250 Queen Street West • Fergus, Ontario N1M 1S8
Tel: (519) 846-9691 ext. 397 • Cell (226) 820-4907
Email: Chamilton@centrewellington.ca

To: Mayor Seeley and Puslinch Councillors
Date: December 2, 2019
Subject: Wellington County Fire Training Officer's Annual report for 2019

Recommendation

Council receives the Wellington County Fire Training Officer's annual report of 2019 for information purposes.

REPORT SUMMARY:

This report will detail the County fire training activities for CY 2019.

- a) 2019 Recruit Firefighter Class
- b) County Training Website & Fire Lesson Plan Library
- c) Canadian Critical Incident Stress Conference & Training
- d) Local Fire Training & Development
- e) Inter-operability Training with Guelph-Wellington Paramedic Services (GWPS)
- f) Technical Support to County Fire Departments
- g) Inquiries from Other Counties

a) 2019 Recruit Firefighter Class

The County's 2019 Firefighter Recruit Class was the largest in the programs history at 42 participants. By comparison, our previous classes had an average group size of 20 to 25 recruits. Of the 42 recruits roughly 25% had pre-service certification, previous firefighting experience or both. Regardless of previous education or experience, all County recruits participate in the training program: as a skills refresher, to enhance teambuilding and as an introduction to the volunteer or paid-on-call duty expectations.

Their hands-on-training (HOT) was for the most part conducted at the Fergus and Elora fire stations with a few weekends arranged in Minto, Rockwood, Grand Valley and Guelph to make use of other available training resources. Provincial certification testing followed that combines written and skills evaluations to meet National Fire Protection Association (NFPA) standards for Firefighters.

Their first set of certification exams and skills evaluations for NFPA 1001 Firefighter I and NFPA 1072 Hazardous Materials Awareness was completed on July 13th. The Office of the Fire Marshal and Emergency Management (*OFMEM*), through their Academic Standards & Evaluation (*AS&E*) group controls the test scoring and the results were very positive. Their second set of exams and skills evaluations for NFPA 1001 Firefighter II and NFPA 1072 Hazardous Material Operations will complete their full certification. This testing was completed on November 16th in Fergus.



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b) County Fire Training Website & Fire Lesson Plan Library

The County fire training website was moved to the WIX platform as they provide easier editing and file management abilities. The Wellington County Fire Training Officer as part of his responsibilities continues to maintain and update the County Fire Training website and Lesson Plan Library. With access to the website, all Municipal Fire Training Officers and Recruits are able to find in one location all of the training documentation, schedules, etc. they need to assist them with their tasks.

The lesson plan library is structured to follow the current training textbook used by the recruit class. This ensures that all our instructors have access to current lesson plans so they can familiarize themselves with the teach points for a particular skill. These lesson plans are also applicable to ongoing training at the station level.

At this time the website is mostly a closed, non-public access site for internal usage by groups or individuals employed by one of the Fire Departments within Wellington County. In the future public access could be provided for Fire Prevention/Education messaging and information delivery if that's a desired direction.

c) Canadian Critical Incident Stress Conference & Training

Police Officers, Paramedics, Firefighters, Dispatchers, etc. are front line operators that see, hear and witness traumatic events on a regular basis. At times those that are suffering need an unbiased, confidential peer support network to seek help from. Within Wellington County, Critical Incident Stress Management (CISM) teams have been trained and inserted into each of the emergency service providers ranks to offer localized peer support to their colleagues. The end goal is mental wellbeing for all, however the upfront aim is to work at removing the stigma from asking for help.

In early 2019, Inspector Lawson, Wellington County OPP approached the local first responder & emergency management communities and Wellington County with a grant that was available to be used to promote mental health and wellbeing. It was the direction of the management groups that representatives from the various groups attend the Annual Critical Incident Stress Congress Niagara Falls. The first two days of the conference are presentation based and the latter two days are geared to specific Critical Incident Stress Training.

Through Inspector Lawson and myself we've suggested to the groups that took part to consider sending personnel to the 2020 conference. This would be a means to continue with developing our CISM team's knowledge, and education so that our peer support teams stay current and are better able to support those amongst that may require assistance.

d) Local Fire Training & Development

Minto Fire ran an NFPA 1021 – Fire Officer Level 1 course in the First quarter to primarily service an educational need within their department. Additional spaces were offered to surrounding fire departments



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to fill out the roster. Training took place at the Palmerston Station on a weekday evening to accommodate paid-on-call staff availability. Training was delivered by Chief Harrow as the Lead Instructor. The duration of the course including the exam was approximately 8 weeks.

An NFPA 1521 – Incident Safety Officer course was run Nov 29/30 & Dec. 1 for the County. I had hoped to get this launched earlier, however the OFMEM spent the better part of the past 6 months revising the course content. This course will be offered to personnel within Wellington County with NFPA 1021 Fire Officer Level 1 or higher and there will be a limit of 15 students. This course provides the learner with a skill set that will be utilized at incidents to ensure safety in all operations with the goal of reducing, eliminating or preventing injuries or deaths through active monitoring of the scene.

Training will be classroom based with some components consisting of “hands on” skill development. There will be a written exam administered on the final day by OFMEM proctors. Training will be facilitated out of the Puslinch Fire Station. The lead instructor will be John Uptegrove from Puslinch Fire. John has been instrumental in the redevelopment of this course for use by the OFMEM across the province.

For 2020, I hope to be able to host another NFPA 1021 – Fire Officer Level I course in the County. We have been served with excellence by our current senior officers and Captains at incident scene, but we must also recognize succession planning needs. As our current supervisors/managers begin to retire from the fire service or move out of our communities, replacements should be ready and able to fill these roles. Each department has a promotional process which includes attaining certifications through provincially approved course and testing. By providing fire service management education programs to current firefighters, there should be a smooth transition of new officers into these roles.

I was able to attend the 2019 Ontario Fire Training Officer Association (OFTOA) Training Officers Workshop in Gravenhurst this September and though the seminars offered gained further insight into several topics that I will develop into training packages that can be shared or delivered personally within the County. Of particular interest were the Underwriter Laboratories (UL) presentations on basement fires and fire dynamics.

Basement fires are of extreme danger to both firefighters and occupants due to their confined nature and rapid growth potential. Fire dynamics is the study of how hot fire gases flow during structure fires and what the fire service can do to more quickly mitigate the effects of these gases on victims and structures. Both of these topics were presented with actual data and video that backs up the science behind them. Having solid, evidence based proof makes it easier to get buy-in with even the most seasoned firefighters.

With the assistance of the Guelph Wellington Hoarding Response group, a training presentation aimed at firefighters was created for the County. While we can impose corrections to fire code violations, there's little that a fire department can do to address the actual hoarding situation. This presentation offers insights into the whys of hoarding, some strategies for dealing with a hoarding situation and offers primary contacts that can provide follow up support to individuals. Emily Gibson from the hoarding response group has delivered



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the training to several of the fire County fire department so far this year. The presentation is short enough that Training Officers can easily pair it with other medical based training that's scheduled.

Similarly a training presentation on interactions between firefighters and persons with autism was developed by Jon Brnjas of Minto Fire. Since most incidents that the fire service attends are stressful, this sensory overload can provoke challenging behaviours when making contact with an autistic person. His presentation is based upon firsthand knowledge and is meant to provide simple management techniques for firefighters to use at incidents to encourage better outcomes. Jon has delivered his program to several of the County fire departments so far this year.

e) Inter-operability Training with Guelph-Wellington Paramedic Services (GWPS)

As a part of GWPS's annual training refresher, each of their paramedics participated in a series of joint training exercises with Centre Wellington Fire & Rescue at the Fergus Station. Training overviews included: auto extrication; firefighter bunker gear/SCBA donning & doffing; firefighter CPR; and low & high angle rope rescue.

This training was held over 10 days in late Sept and I had the pleasure of guiding the paramedics through the auto extrication overview. It was an excellent opportunity to provide the group with an overview of how the fire service handles motor vehicle collisions, how EMS integrates into the incident and critical safety aspects they need to consider at these incidents. As this training was "hands on", they were able to operate a variety of the tools that firefighters use including the "jaws-of-life" cutters and spreaders on actual vehicles.

f) Support to County Fire Departments

I've been active in filling in at several of the County fire departments when they've needed either a replacement instructor or manpower to run training scenarios at their stations. When requested I've delivered and picked up training props based upon their needs within the County. The Wellington County Fire Training Officer is also available to assist and support Member Municipal Fire Departments at emergency calls as requested by Incident Command of the responding Municipal Fire Department.

I meet regularly with each department to review and discuss training needs, programs or procedures to support their local training programs. Additionally, I provide the Fire Chief's with County training updates at their monthly meetings.

For our 2020 recruit class, I will be starting their skills training in February versus March. This change will give me a few additional weekends to allow for skills training to be run on a single day instead of a full weekend. Additionally, it gives the recruits more time to study and has less of an impact upon their time away from their families. In the past there was a need to get trained firefighter "on the trucks" quicker, however in recent consultations with the Fire Chiefs this is no longer deemed to be a priority.



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For future provincial examinations, the OFMEM is moving towards on-line exam testing. Testing would be done via Wi-Fi connected laptops through a secure portal. The testing will continue to be multiple choice based, time controlled and supervised by a proctor. This method will streamline certification testing, provide instant scoring and improved access to student records.

On-line testing is scheduled to go into service at some point in 2020. I'm hoping that it will be active in time for the next set of written exams scheduled for July 2020. I anticipate that there will be training offered by the OFMEM to help roll out the on-line testing and recordkeeping management system.

g) Inquiries from Other Counties

With the success of our County fire training program, other Counties have been asking for details. Myself and my predecessor Jon Karn made a presentation to Woolwich Township's fire chiefs early in 2019 to outline the program. They have a similar structure of several fire departments that are struggling with timely recruit training, unified lesson planning and shared training resources.

I've recently been contacted by the Fire Department of North Huron with an initial inquiry regarding the estimated cost per student of our recruiting program. They are looking at a similar collective approach to recruit training and shared resources. Should they wish further help in proposing the program to their local councils, I've indicated I'd be able to provide them assistance.

These inquiries are in my opinion a reflection of the quality of the program, our instructors and the recordkeeping that's currently in-place.

Respectfully Yours,

Chamilton

Charles Hamilton | **Wellington County Fire Training Officer**

January 15, 2020

James Seeley
Councillor - Wellington County
Mayor, Township of Puslinch
Administration Centre
74 Woolwich Street
Guelph, Ontario N1H 3T9

Dear Councillor:

It is my pleasure to inform you that the bilingual travelling exhibitions **Ace Academy: Flight Experience** and **Cipher • Decipher** will be on display at the Wellington County Museum and Archives in Fergus from January 18 to May 10, 2020.

Ace Academy: Flight Experience, produced by Ingenium – Canada's Museums of Science and Innovation, is an immersive encounter during which visitors become players by facing a screen and standing on a rondel to activate their intuitive experience. Images of authentic aircraft take centre stage as players fly a realistic rendering of the Canada Aviation and Space Museum's Sopwith Ship Camel fighter biplane. By moving their arms up and down and tilting their bodies, visitors manoeuvre an airplane onscreen while dodging enemy aircraft and aligning themselves to fire. Ace Academy: Flight Experience is based on the very successful mobile app game Ace Academy, an educational mobile game produced by the Canada Aviation and Space Museum in partnership with SEED Interactive.

Cipher • Decipher brings to life the past and present of communications cryptology. For as long as we've had secret information, individuals and organizations have encrypted and analyzed encrypted communications. From schoolyard gossip to military plans, ciphers keep secrets out of the wrong hands. Highlights of the exhibition include an authentic Enigma cipher machine and interactive experiences related to cryptology and cyber security. The exhibition will help Canadians understand communications cryptology: what it is, how it works, and how it affects our lives. Cipher • Decipher was produced by Ingenium in partnership with Canada's Communications Security Establishment.

Councillor, I hope that you and many of your residents will have the opportunity to visit Ace Academy: Flight Experience and Cipher • Decipher while they are in Fergus. I welcome your comments about the exhibitions.

Yours sincerely,



Christina Tessier,
President and CEO

c.c. Hailey Johnston, Curator, Wellington County Museum and Archives
Lisa Leblanc, Director General, Canada Science and Technology Museum
Chris Kitzan, Director General, Canada Aviation and Space Museum

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January 14, 2020

Glenn Schwendinger
Clerk, Township of Puslinch
7404 Wellington Road 34 Puslinch, ON N0B 2J0

Dear Mr. Schwendinger:

RE: Support for actions to address over-application of winter maintenance chemicals to protect sources of municipal drinking water

On December 12, 2019, the Lake Erie Region Source Protection Committee received report SPC-19-12-02 Winter Maintenance Chemicals: Challenges and Opportunities, and passed the following resolution:

AND THAT the Lake Erie Region Source Protection Committee direct staff to forward report SPC-19-12-02 to the Councils of the single, upper and lower-tier municipalities within the Lake Erie Source Protection Region, all Source Protection Committees, Ontario Good Roads Association, Association of Municipalities of Ontario, and Rural Ontario Municipal Association, to request resolutions in support of the report's recommended actions and forward the resolutions to the Ontario Minister of the Environment, Conservation and Parks, Ontario Minister of Transportation, Ontario Minister of Municipal Affairs and Housing and Attorney General of Ontario.

The report (attached) provides an overview of the ongoing issue and implications of over-application of winter maintenance chemicals, highlighting trends in the Lake Erie Source Protection Region, and includes recommended actions, including changes to the liability framework, increased requirements for winter maintenance of parking lots and changes to the Clean Water Act, 2006 framework to proactively protect municipal drinking water sources.

As per the Source Protection Committee's resolution, I am asking for municipal support of the report's recommended actions. Please forward a copy of any resolution to: Ilona Feldmann, Source Protection Program Assistant, Lake Erie Source Protection Region (ifeldmann@grandriver.ca)

Please contact me if you have any questions or concerns about the report or the request for municipal support.

Regards,



Martin Keller
Source Protection Program Manager, Lake Erie Source Protection Region

LAKE ERIE REGION SOURCE PROTECTION COMMITTEE

REPORT NO. SPC-19-12-02

DATE: December 12, 2019

TO: Members of the Lake Erie Region Source Protection Committee

SUBJECT: Winter Maintenance Chemicals: Challenges and Opportunities for Change

RECOMMENDATION:

THAT the Lake Erie Region Source Protection Committee receives report SPC-19-12-02 – Winter Maintenance Chemicals: Challenges and Opportunities for Change – for information.

AND THAT the Lake Erie Region Source Protection Committee receives the Recommended Actions to Address the Over-Application of Winter Maintenance Chemicals for consideration and action.

REPORT:

Summary of Report Contents

- Introduction
- Recommended Actions to Address the Over-Application of Winter Maintenance Chemicals
- Increasing Sodium and Chloride Concentrations within Groundwater Drinking Sources in Lake Erie Source Protection Region
- Liability and Other Factors Influence the Amount of Salt Applied
- Changes Needed to the Source Water Protection Director's Technical Rules

Introduction

At the October 3, 2019 Lake Erie Region Source Protection Committee (SPC) meeting, members discussed the ongoing issue of salt over-application and the increasing number of sodium and chloride Issue Contributing Areas (ICAs) across the Lake Erie Source Protection Region. Following the discussion, the committee directed Lake Erie Region staff to draft a report and recommendation(s) regarding the issue for presentation at the next SPC meeting.

This report has been written in collaboration with staff from the Grand River Conservation Authority (GRCA), City of Guelph, Region of Waterloo and Wellington Source Water Protection.

Recommended Actions to Address the Over-Application of Winter Maintenance Chemicals

To address the above concerns, the following recommendations are provided to the Lake Erie Region Source Protection Committee for consideration:

THAT the Province of Ontario explore ways to reduce the factors that contribute to excess application of winter maintenance chemicals on road ways and parking lots through a review of the liability framework in Ontario.

THAT the Province of Ontario work with municipalities to strengthen training programs for road agencies that apply winter maintenance chemicals on roads and sidewalks to reduce application rates without compromising road safety that would assist with mitigating risks to municipal drinking water systems.

THAT the Province of Ontario require property owners and contractors responsible for maintaining safe parking lots and sidewalks be trained and certified in the application of winter maintenance chemicals.

THAT the Province of Ontario change Prescribed Drinking Water Threats, “the application of road salt” and “the handling and storage of road salt” to “the application of winter maintenance chemicals” and “the handling and storage of winter maintenance chemicals”, and define the term in the regulation.

THAT the Province of Ontario change the Table of Circumstances related to the application of winter maintenance chemicals to differentiate between application on roads, sidewalks and parking lots to reflect the different liability issues and the nature of winter maintenance conducted for each surface type.

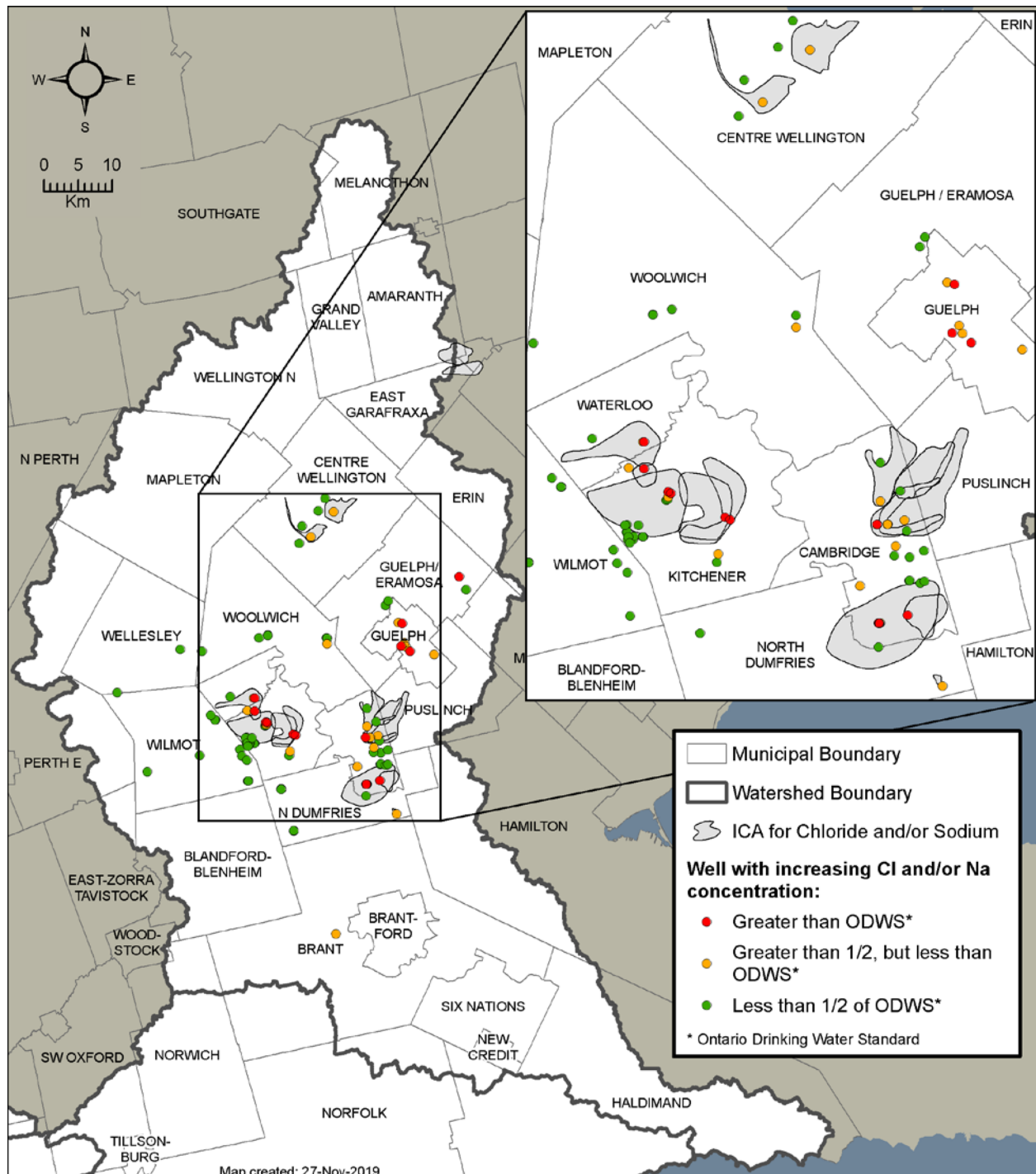
AND THAT the Province of Ontario amend the Clean Water Act’s Director’s Technical Rules to enable municipalities to proactively protect their municipal drinking water supplies from the application and storage of winter maintenance chemicals.

Increasing Sodium and Chloride Concentrations within Groundwater Drinking Sources in Lake Erie Source Protection Region

Municipal water supplies within the Lake Erie Source Protection Region (LESPR) have exhibited increases in chloride and sodium concentrations. **Map 1** identifies all municipal supplies within the LESPR that are impacted by increasing chloride and sodium concentrations. Within LESPR, approximately 150 wells are impacted by increasing concentrations of chloride and/or sodium, where 34 wells have identified chloride and/or sodium as an Issue under the *Clean Water Act, 2006* and Technical Rules. **Map 1** shows the ICAs for chloride and sodium, along with municipal supply wells with increasing concentrations. Issue Contributing Areas are delineated for wells with an Issue and policies apply to address the elevated contaminant concentrations.

The impacted municipal supply wells range from small rural centres (Elora, Fergus – Centre Wellington, Guelph-Eramosa, Paris – County of Brant) to medium cities (City of Guelph, Orangeville) to large urban areas (Region of Waterloo). Examples of increasing chloride and sodium concentrations at municipal supply wells within the LESPR are described below and include Wells E3 in Elora and F1 in Fergus, the City of Guelph Water Supply Wells, William Street Wellfield in Waterloo and Well G5 in Cambridge. The Town of Orangeville Water Supply System is impacted by increasing chloride and sodium concentrations and has defined ICAs that extend into the LESPR.

Map 1: Lake Erie Region Municipal Supply Wells with Elevated Chloride and Sodium Concentrations



Increasing Sodium and Chloride Concentrations at Bedrock Groundwater Wells in Wellington County

The Township of Centre Wellington monitors sodium and chloride concentrations at the nine municipal wells that service Elora and Fergus. Well Fergus F1 is screened within a bedrock aquifer with surrounding land primarily urban. Well Elora E3 is screened within a bedrock aquifer with surrounding land primarily agricultural, with a large manufacturing facility located immediately north of the well.

Figure 1 and **Figure 2** illustrate the increasing and variable trends of chloride and sodium concentrations at Elora Well E3 and Fergus Well F1. Chloride concentrations at Elora Well E3 and Fergus Well F1 are both above and below half of the Ontario Drinking Water Standards (125 mg/L). Maximum chloride concentrations are noted at Elora Well E3 of 165 mg/L. At Elora Well E3 and Fergus Well F1 sodium concentrations are increasing, but remain below half of the Ontario Drinking Water Standards (100 mg/L). Maximum sodium concentrations are noted at Fergus Well F1 of 93 mg/L. A study completed by Golder Associates (2015) concluded that groundwater at well F1 appears to be derived mainly from the overburden and shallow bedrock aquifers, while groundwater at well E3 appears to be derived mainly from the bedrock aquifer. In both cases, the chloride source is likely from the surface (anthropogenic sources). As a result of the increasing chloride concentrations to above half of the Ontario Drinking Water Standards and the anthropogenic origin of the chloride, chloride was identified as an Issue and an ICA was delineated for both Elora Well E3 and Fergus Well F1.

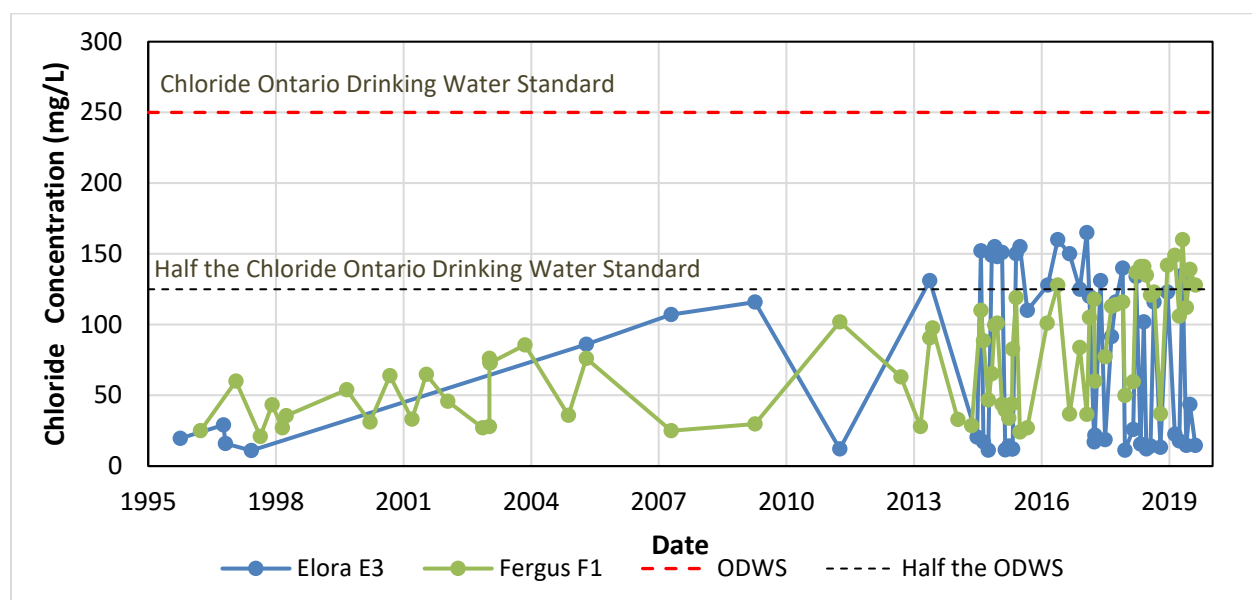


Figure 1: Chloride concentrations at Elora Well E3 and Fergus Well F1

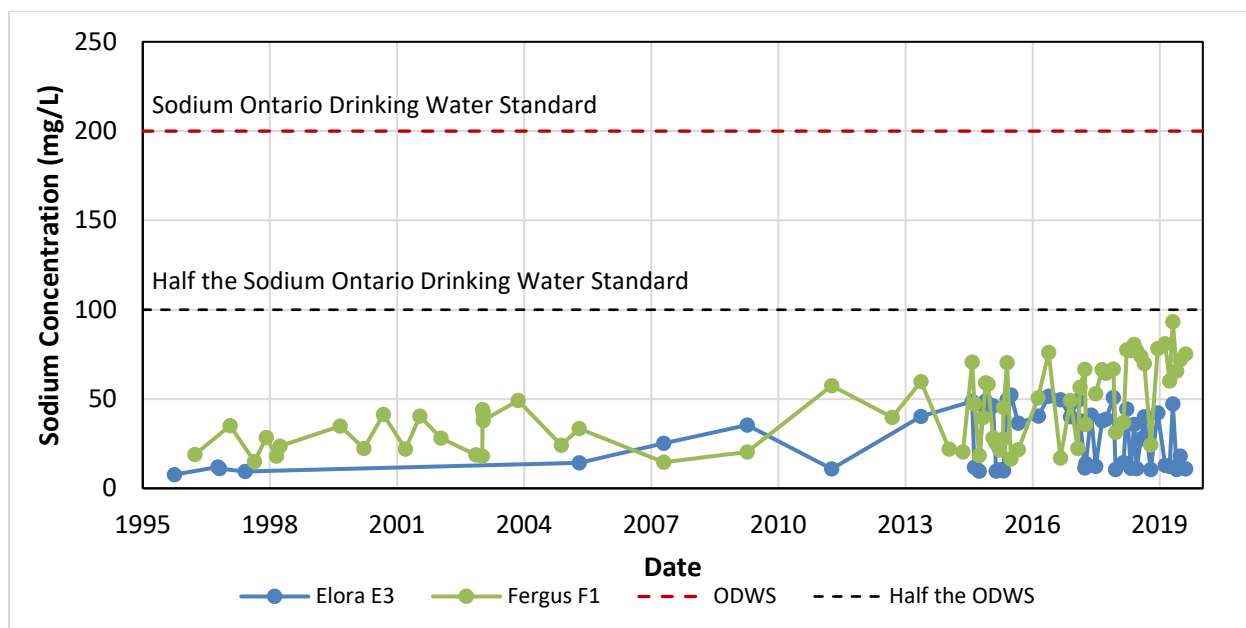


Figure 2: Sodium concentrations at Elora Well E3 and Fergus Well F1

Increasing Sodium and Chloride Concentrations at Bedrock Groundwater Wells in the City of Guelph

Sodium and chloride concentrations are increasing at several bedrock wells within the City of Guelph. **Figure 3** and **Figure 4** below illustrate increasing chloride and sodium trends in select municipal wells within the City of Guelph. **Figure 3** shows chloride concentrations above half the Ontario Drinking Water Standard for chloride (125 mg/L) at almost all wells, with chloride concentrations approaching or at the Ontario Drinking Water Standard for chloride of 250 mg/L. **Figure 4** shows sodium concentrations above half the Ontario Drinking Water Standard for sodium (100 mg/L) at all wells, with sodium concentrations ranging from 120 to 170 mg/L in 2019.

Sodium and chloride are not identified as Drinking Water Issues at City of Guelph wells. The City of Guelph will continue to monitor sodium and chloride concentrations.

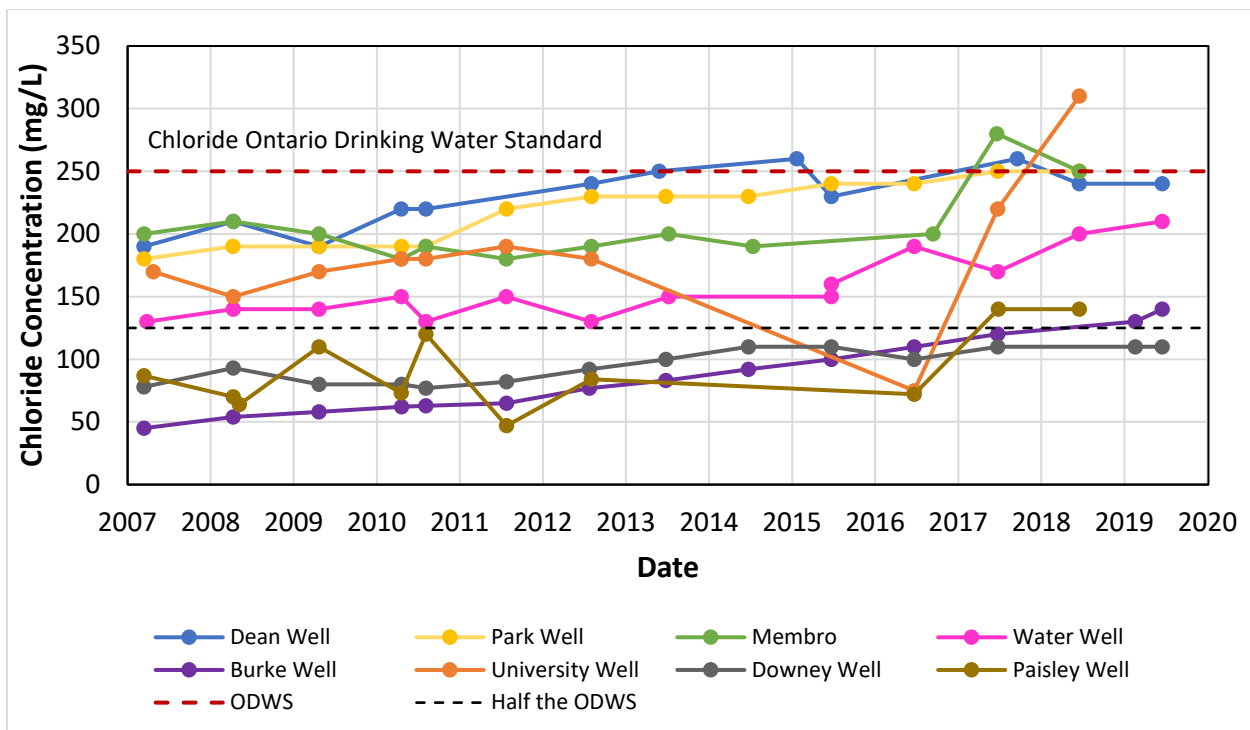


Figure 3: Chloride concentrations at select municipal wells within the City of Guelph

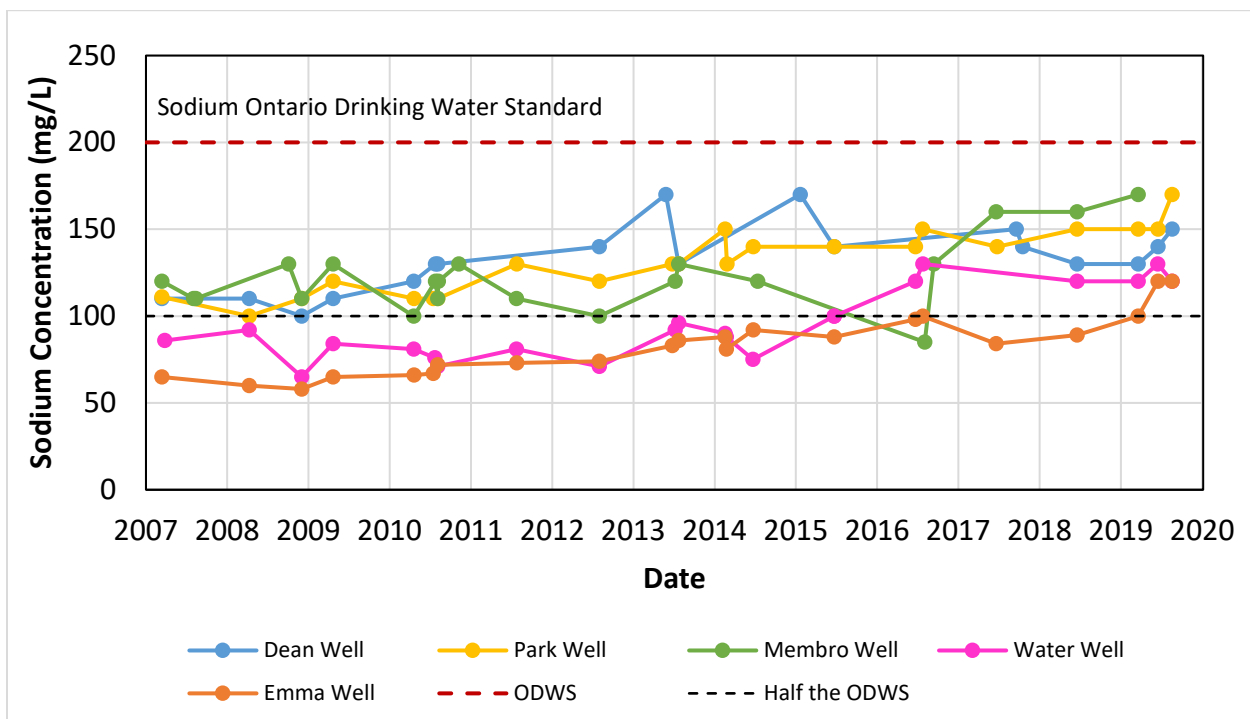


Figure 4: Sodium concentrations at select municipal wells within the City of Guelph

Increasing Sodium and Chloride Concentrations at Groundwater Wells in the Region of Waterloo

The Region of Waterloo has nine wellfields with elevated concentrations of chloride and sodium that resulted in the identification of Issues under the *Clean Water Act, 2006* and Technical Rules and delineation of ICAs. Impacted wellfields are generally within the urban areas of Cambridge, Kitchener and Waterloo. Chloride and sodium concentrations have been measured as high as 750 mg/L and 365 mg/L, respectively, at one municipal wellfield in the Region of Waterloo.

The William Street Wellfield is an example of one of the Waterloo's wellfields that is impacted by increasing chloride and sodium concentrations. **Figures 5** and **6** below illustrate the increasing chloride and sodium concentrations at the three water supply wells in the William Street wellfield. An increasing trend of chloride (**Figure 5**) is observed dating back to 1975. Current chloride concentrations are above the Ontario Drinking Water Standard of 250 mg/L with 2019 chloride concentrations reaching approximately 450 mg/L. An increasing trend of sodium (**Figure 6**) is observed dating back to 1980. Current sodium concentrations at two of the three wells are above the Ontario Drinking Water Standard of 200 mg/L with 2019 sodium concentrations reaching approximately 240 mg/L.

Figures 5 and **6** also present the results from well G5 of the Pinebush system in Cambridge and demonstrates the impacts from application of salt on parking lots. This well also shows increasing chloride and sodium trends from the 1980s. However, the concentrations dramatically increase in the middle to late 1990s, which is coincident with the construction of a large retail centre and associated large parking lots immediately adjacent to the well. Currently, chloride and sodium concentrations are higher than those in the William Street wellfield, being approximately 600 mg/L and 300 mg/L, respectively.

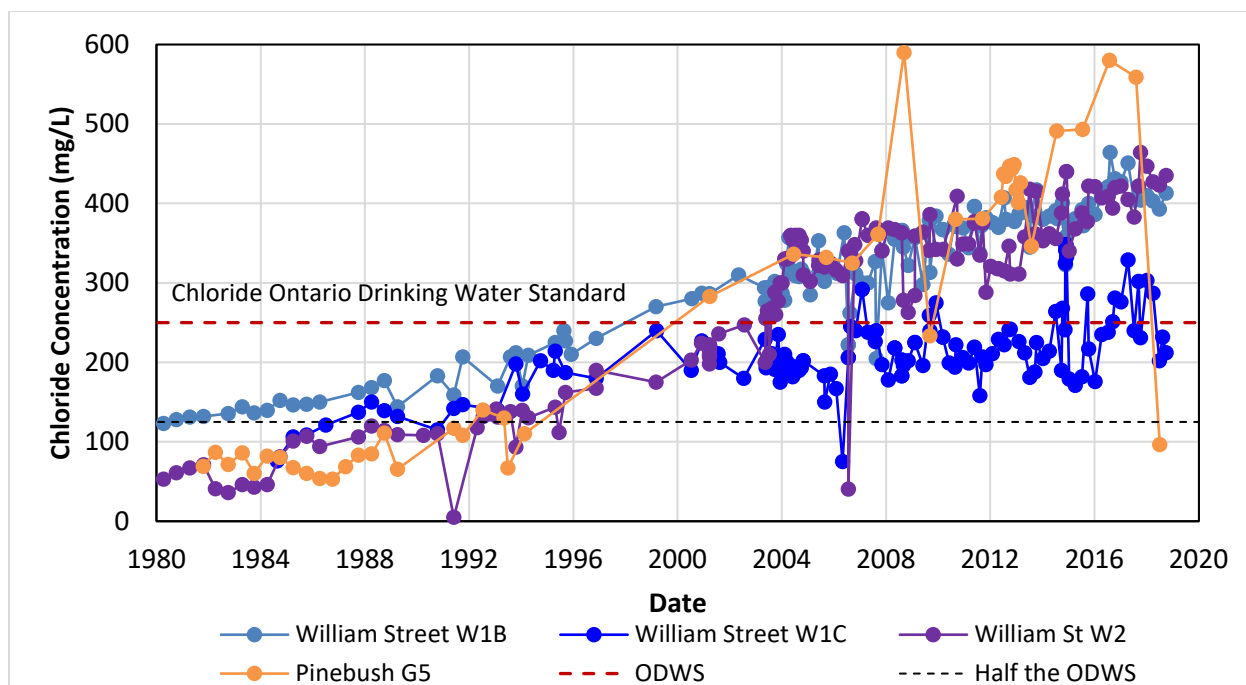


Figure 5: Chloride concentrations at the William Street and Pinebush Wellfields in the Region of Waterloo

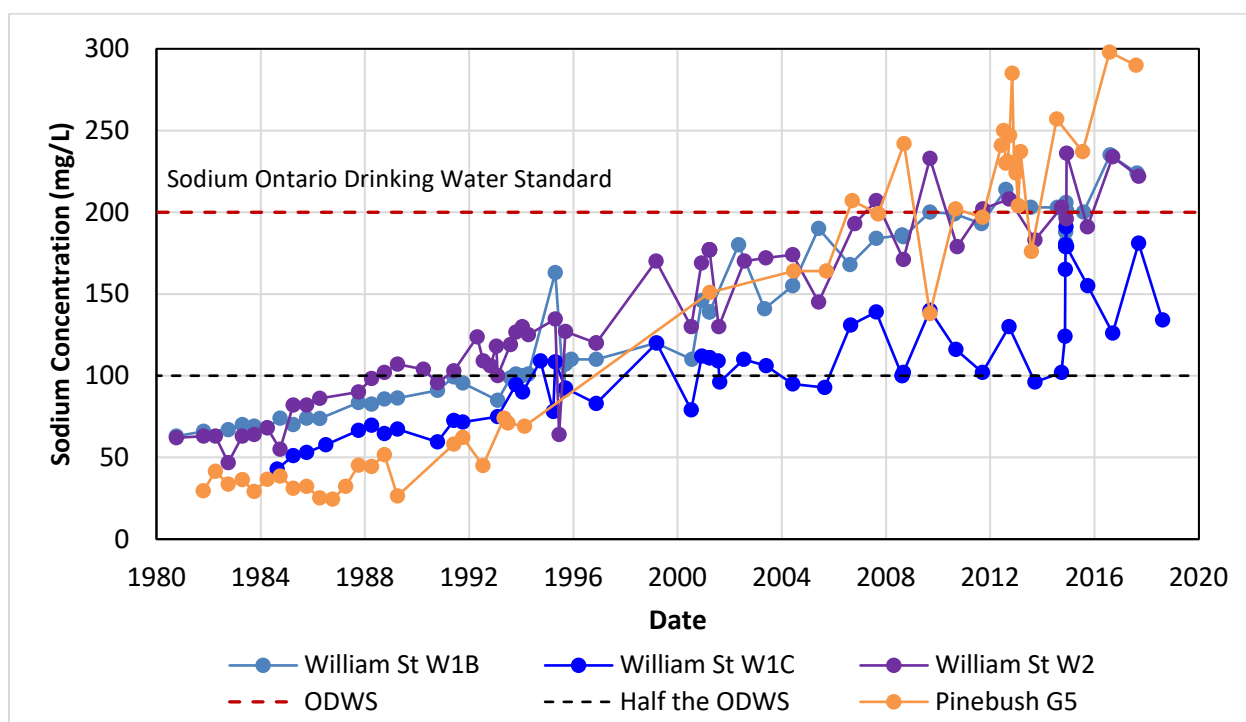


Figure 6: Sodium concentrations at the William Street Wellfield in the Region of Waterloo

Implications of Elevated Sodium and Chloride in the Environment

Elevated and increasing concentrations of chloride and sodium are becoming prevalent in small rural centre, medium sized cities, and large urban areas. The application of road salt (sodium chloride) is a common activity across LESPR given winter road conditions.

The application of salt on roads (and parking lots) enters into the environment in several ways. In many cases, the snow gets plowed onto the road shoulder which either enables it to infiltrate into the groundwater or the meltwater runs off into surface water features and/or into storm water management structures. While the primary purpose of these storm water facilities is to manage wet weather flows, they also receive meltwater during the winter months. If the stormwater structures include infiltration galleries and/or Low Impact Development (LID) infrastructure, some of the salty water conveyed to them during the winter months could infiltrate into the subsurface further exacerbating impacts to groundwater based municipal drinking water systems. Ultimately, all the winter maintenance chemicals eventually enter the natural water system.

Climate change is resulting in more extreme weather patterns with generally milder winters and increased frequencies of precipitation freeze/thaw cycles predicted, resulting in increased use of chemicals for winter road and parking lot maintenance. If left unmanaged, chloride and sodium from road salt will continue to contaminate drinking water sources.

A summary of negative impacts of road salt use for winter maintenance can be described as follows:

- increased concentrations of chloride and sodium in surface water and groundwater drinking water sources impairs the water taste and poses a risk to persons with high blood pressure and sodium restricted diets;
- premature wear to concrete sidewalks and structures (bridge decks, overpasses) which reduces overall life of such infrastructure and results in increased capital costs to maintain them on the order of \$250-\$480 per tonne of salt applied (Environmental Commissioner of Ontario, 218). and,
- damage of animal and plant cells' ability to carry out key ecological processes, changes to the weight of lake water to block the normal mixing process, which is essential for oxygen mixing, and harm to soil, gardens, vegetation and trees, which are necessary for shade as summers get hotter.

The only treatment process available to remove sodium and chloride from water is by reverse osmosis (desalinization) which is very expensive, energy intensive and creates a large volume of concentrate waste brine that must be discharged back into the environment. Accordingly, the only way to minimize the impacts from road salt on water resources and the environment is to reduce the amount being used.

Liability and Other Factors Influence the Amount of Salt Applied

In 2001, Environment and Climate Change Canada (ECCC) completed an assessment of the impacts of road salt and concluded that high releases of road salts were having an adverse effect on freshwater ecosystems, soil vegetation and wildlife. This assessment initiated the risk management process to address the risks posed to the environment by road salt. Subsequently, a Code of Practice was developed by ECCC and a parallel Synthesis of Best Practices document was created by the Transportation Association of Canada. The synthesis is a detailed resource on winter maintenance practices and supplements the recommendations made within the Code.

The two main recommendations of the Code are the development of salt management plans and implementation of best management practices. The Code is voluntary, only applies to road

organizations that use more than 500 tonnes of salt per year, and does not apply to application on parking lots or sidewalks. The ECCC assessment report concluded that application of salt on parking lots represents less than 10% of the total amount of salt being applied across the country. However, the contribution of parking lots in urban areas is much greater due to the increased density of paved surfaces and the higher potential application rates needed to address private property liability concerns. Specifically, in parts of Cambridge, Kitchener and Waterloo, salt loading to groundwater from parking lots is equal to or greater than the loading from roads.

Several pieces of legislation provide the legal context for application of winter maintenance chemicals. For roads, municipal transportation agencies are required under Section 44 of the Municipal Act to maintain roads in a “reasonable state of repair” and to maintain them in accordance with the Minimum Maintenance Standards. For building owners and managers, the Occupier’s Liability Act requires a duty of care to maintain “reasonably” safe conditions for persons while on their premises. However, unlike for roads, the definition of what is reasonably safe is not stipulated and there are no standards. For parking lots, what is reasonable is determined through awareness of legal case studies, which are not too frequent, as most slip and fall claims arising from winter maintenance on parking lots are settled out of court. In addition, for private contractors, a settlement made by their insurance company often results in increases in insurance costs and/or loss of insurance completely. To ensure on-going viability of their businesses, most contractors will err on the side of caution and over apply salt.

These two pieces of legislation provide a framework for over-application of salt that is condoned by the public as necessary to ensure the protection of the travelling public. There is little recognition that this over-application may not be necessary as protection from liability is paramount. This framework is further facilitated by the following:

- the Ontario Environmental Protection Act exempts salt from being considered a contaminant if it is used “... for the purpose of keeping the highway safe ...” meaning that applicators of salt do not have to be concerned about any environmental impacts by the amount they use;
- weather is difficult to predict and the weather that arrives can vary from that forecasted, which means that applications are often higher than needed in case the conditions are worse than forecasted;
- the science behind how salt works is poorly understood (i.e. it is the brine that breaks down ice, not rock salt itself, or that rock salt is not effective in temperatures below -10°C) or is ignored due to liability concerns;
- there is increasing societal demand to maintain black asphalt in southern Ontario at all times and conditions, provide alternate forms of travel with associated high winter maintenance requirements, and addressing accessibility concerns in winter for accessibility-challenged persons; and
- rock salt is on the order of 40% cheaper than the next cheapest winter de-icing chemical, forcing most municipalities and private contractors to default to this chemical even though other chemicals may improve winter maintenance performance with less environmental impact.

All of the above factors contribute to the public's perception that salt does not affect the environment and creates a “laissez-faire” attitude towards the presence of salt on paved surfaces.

Factors Influencing Winter Maintenance on Roads

As noted above, the obligations to maintain roads arise from the Municipal Act and Minimum Maintenance Standards. These provide some level of liability protection against municipalities in

the event of vehicle accidents or slip and fall claims on roads. However, the capacity of each municipal agency to adopt new and/or implement sophisticated practices varies and many municipalities have budget pressures which may limit the introduction of these practices. In addition, the impact of joint-and-several liability often results in municipalities paying the majority of the costs resulting from an accident even if their contribution to the fault is minimal, further exacerbating the financial challenges for municipalities. Finally, most municipalities set a single performance standard for each road class and segment and most if not all municipalities are not willing to change the standard if the road comes in and out of a vulnerable drinking water protection area. These issues coupled with the voluntary nature of the ECCC Code could force municipalities to minimize adoption of practices to meet the Code or not participate at all.

Application on roads also differs from that on parking lots for the following reasons:

- most winter maintenance on roads are performed by municipal staff and/or larger contracted companies (e.g. province of Ontario) which provide stable working conditions that can attract long term employees ensuring consistency in approach reducing the need to train revolving staff;
- there are a relatively modest number of road agencies compared to hundreds and possibly thousands of private contractors; and
- the passage of cars on roads assists in the break down of the solid winter maintenance chemicals into the liquid brine needed to break the bond between snow/ice and the underlying surface, resulting in the need for less salt to be applied.

All of these factors can help reduce the amount of salt applied on roads compared with that applied on parking lots.

Many road authorities have made considerable improvements in technology, operational approaches and training to help improve application and reduce impacts to the environment. However, further changes will be difficult to achieve in part due to the risks associated with liability. In addition, the benefit of these reductions could be off-set by changes in climate, e.g. more freezing rain events, which will necessitate changing the approach to winter maintenance on roads. Further, the expansion of the Minimum Maintenance Standards to sidewalks in 2018 could result in an overall increase in the amount of salt being applied to the road network. This will exacerbate the impact to municipal drinking water supply sources. In Ontario, several organizations are promoting changes to the liability framework including the following:

- the Association of Municipalities of Ontario submitted a letter to the Ontario Attorney General requesting reform of the joint and several liability framework in Ontario as it relates to municipalities;
<https://www.amo.on.ca/AMO-Content/Policy-Updates/2019/AMOSubmitsReporttoAttorneyGeneralonLiabilityandIns>).
- a combined working group representing the Ontario Good Roads Association and Conservation Ontario submitted a letter to the Ontario Attorney General requesting a review of the liability related to application of winter maintenance chemicals (**Appendix A**); and
- the World Wildlife Federation provided comments on the Province of Ontario's Environmental Plan as posted on the Environmental Registry advocating for review of the liability framework in Ontario.

http://assets.wwf.ca/downloads/ero_roadsalt_final_signon.pdf

These letters highlight the challenges with the liability framework in Ontario and support the discussion contained in this report. Undertaking this review in addition to strengthening training programs for road agencies to reduce winter maintenance chemical application rates without compromising road safety would assist with mitigating risks to municipal drinking water systems.

Factors Influencing Winter Maintenance on Parking Lots

As persons responsible for parking lots do not have standards or guidance to follow, the approach to winter maintenance for a particular event is based primarily on their experience which results in inconsistent application rates and/or levels of service for each parking lot. In most cases, building parking lots and sidewalks are maintained by private winter maintenance contractors and the nature of the winter maintenance services is determined by the contract with the property owner. These contracts often contain an unrealistic level of service requirements, e.g. maintain bare pavement at all times, which the contractor addresses through over-application of salt and/or chemical “plowing” which uses excessive amounts of salt to melt all the snow. The contracts often attempt to assign the liability to the contractor, which is very difficult legally, and may have pricing structures that financially incentivize the application of salt on the property.

Much of the private winter maintenance contracting industry is performed by small and medium sized businesses. As a result, and because of the tendering process to compete for clients, they are less likely to invest in best practices/advanced technologies as part of their operation in order to make them profitable. The individual contracting company is also trying to maintain their insurance coverage, have high staff turnover rates which reduces the incentive to invest in staff, and the competition/bid process results in little sharing of management practices within the industry. In addition, as contractors are a for-profit business, they will also attempt to maximize the number of contracts they have which forces them to over apply to meet the contract requirements in recognition that it could be many hours until they are able to service the property again. All of these factors contribute to excess application.

The primary purpose of most buildings and properties is not for winter maintenance but rather for some other manufacturing, service or retail operation. So winter maintenance is seen as a cost of doing business. For most building owners or tenants, the winter maintenance contract is awarded to the lowest cost bid which does not encourage contractors to consider alternate practices as these would require capital investments for new technologies and/or approaches. In addition, even if the owner/operator were interested in reducing application rates, they would be exposed to liability in the event of an injury if they had directed the contractor to apply the salt at a lower rate.

The liability framework and challenges noted above prevent Risk Management Officials from negotiating Risk Management Plans (RMPs) that require reductions in application rates. Some of the ways these barriers present themselves have been observed through the implementation of salt application RMPs in the Region of Waterloo where approximately 1,600 RMPs will need to be negotiated in chloride and/or sodium ICAs in the current approved Source Protection Plan and expanding to over 3,000 existing properties in the October 2019 proposed amended plan. These include the following.

- The approach taken by the Region of Waterloo to negotiate salt application RMPs is to use a collaborative, education approach in order to secure buy-in and achieve a more self-sustainable/self-regulating model of enforcement. This is needed because most persons involved in the negotiation have little to no experience in winter maintenance. This approach necessitates a greater time commitment as part of the negotiation as a level of education is required to raise the general knowledge on the impacts of salting to the point where risk mitigation practices can be implemented effectively.

- Currently, the RMPs for parking lots focus on contractor training and certification, i.e., Smart about Salt program, winter maintenance record keeping, and minimizing ice formation through site assessments. As in many cases these measures do not represent a drastic shift from current practices and because application rates cannot be stipulated in the RMP, only a minor amount of reduction in salt loading is likely to occur from these properties. This is much less than is needed to mitigate the impacts to the Region's wells with chloride impacts. Region of Waterloo staff have assessed the reduction in application rates needed to reduce and or stabilize chloride concentrations based on the amount currently observed in their supply wells. This amount is on the order of a further 10 percent reduction in application on roads above and beyond the 25 percent reduction achieved through advances in technology, and 30 to 50 percent reduction in application rates on parking lots at four of its well systems. This amount does not include the salt already in the groundwater that hasn't made it to the supply wells and will not reach the wells for a further 10 to 20 years.
- Since application rates cannot be specified in the RMP, it is difficult to require changes in operational methods and procedures. Examples of more effective practices may include pre-wetting, liquid application, and/or standardizing application rates. These practices have been adopted by many road agencies and may represent the most effective opportunity to achieve salt reduction targets.

As noted for roads, changes to the liability framework would provide building owners and contractors to consider the impacts to the environment and their assets in addition to liability considerations. However, unlike road agencies that are meeting ECCC's Code of Practice, there is no mechanism to ensure private contractors consider the environment in the determination of winter maintenance chemical application rates. The Smart About Salt Council has created the Smart About Salt program that encourages contractors to take training courses to improve their winter maintenance operations and to become certified demonstrating that they are implementing the program. And while this is helping to educate property owners and contractors, many of the recommended practices in the Smart About Salt program are not implemented by contractors due to the liability issues discussed above.

Opportunities for Liability and Training/Certification Program Changes

Several states in the US including Illinois and New Hampshire have changed the liability framework to help address the impacts to water resources due to the over-application of salt and as noted above several organizations are advocating a review of the liability framework in Ontario. Several other US states including Wisconsin have implemented various training, certification and/or education programs to help changes in the winter maintenance approach.

Specifically, the approach taken in New Hampshire is worth noting because the approach includes a combination of liability reform and training/certification. New Hampshire has introduced changes to the liability framework and developed a training/certification program to address the over-application of salt. This approach was required to gain permission to extend a state highway because a nearby lake had elevated chloride and sodium levels due to winter maintenance chemicals. The legislation requires contractors to undertake a one-day training program and become certified. In exchange, road and parking lot contractors would be provided partial protection against slip and fall and/or traffic accidents. This approach provides the liability relief and knowledge needed to change winter maintenance practices to minimize impact to water resources.

Changes Needed to the Source Water Protection Director's Technical Rules

The current Director's Technical Rules under the *Clean Water Act, 2006* provide significant drinking water threat (SDWT) thresholds based on road density or impervious surfaces. In many parts of the province, the thresholds did not trigger a SDWT for road salt application, despite a number of municipal drinking water wells that have increasing sodium and chloride concentration trends. As such, the original technical approach failed to recognise areas where trends were present that may result in an ICA. This problem was identified by the Region of Waterloo and an alternate approach to assessing the threat of road salt application was prepared and implemented for the Region of Waterloo. These changes were not implemented elsewhere in LESPR.

Similarly, road salt storage thresholds are currently set at 5,000 tonnes outside storage. This volume far exceeds typical storage volumes found at small to medium municipalities or private contractors. As a result, there are no known documented SDWTs for road salt storage outside of an ICA within LESPR. This is despite the fact that there are many municipal and private road salt storage facilities within wellhead protection areas of lesser volumes.

The practical result of these shortcomings in the Technical Rules is that the prescribed threats for road salt application and storage only get flagged as significant drinking water threats (SDWTs) when water quality data for a municipal drinking water system documents an increasing trend in chloride concentrations and the municipality declares the well as having an issue as defined by the Technical Rules. Since ICAs are only identified and delineated when there is a demonstrated water quality concern in a municipal well, this approach to protecting water quality in municipal drinking water systems becomes reactive rather than proactive.

Another concern is that the current Director's Technical Rules and Ontario Regulation 287/07 – General pursuant to the *Clean Water Act, 2006* lists the prescribed drinking water threat as “the application, handling and storage of road salt”. Although road salt is a common term used for winter maintenance chemicals, the term can be misleading. The term road salt is used interchangeably with rock salt. Salt application at parking lots or on walkways can be more of a concern due to over-application than application on roadways. Additionally, road salt commonly refers to sodium chloride; however, there are many alternative products that are also chloride based, for example, calcium chloride or magnesium chloride. Strict interpretation of the wording may lead some readers to consider only salt applied to roads and that is sodium chloride based is a prescribed drinking water threat pursuant to the *Clean Water Act, 2006* and Source Protection Plans. A simple solution could be to rename the prescribed drinking water threats to application, handling and storage of winter maintenance chemicals and then define the term in the regulation.

A complementary change to the above would be to make application of winter maintenance chemicals on roads, parking lots and sidewalks different circumstances in the Table of Circumstances to reflect the different approach to winter maintenance, the legislative and liability framework, and the mitigation measures possible associated with each surface type. This would also help highlight that it is more than just application of winter maintenance chemicals on roads that is affecting drinking water supply sources.

Since 2017, the Province has been considering changes to the Director's Technical Rules to address the shortcomings noted above. Recently, the Province held technical engagement sessions at the end of November 2019 to consult on proposed changes. Details at the time of preparing this report are limited, but we understand that the Province intends to lower the thresholds for the activities and circumstances that result in a significant drinking water threat for the handling and storage of salt and the application of salt. A summary of the proposed changes to road salt storage and application are presented in **Table 1**. Lake Erie Region staff and municipal representatives have participated in the stakeholder engagement sessions and there will be

opportunity for staff to comment on the proposed rule changes directly with Provincial staff and through the more formal Environmental Registry process later on.

Topic		Current Approach	Objective of the Amendment	Proposed Amendment	Notes
Prescribed Drinking Water Threats	Road Salt Application	Thresholds for impervious areas that identify significant risks are 80% in WHPAs scored 10 and 8% in IPZs scored 10.	Use an improved scientific approach to better identify areas where the application of road salt and storage of road salt may cause impairments to the quality of drinking water sources.	Thresholds for impervious areas that identify significant risks will be: 30% for WHPAs scored 10; 6% or greater for IPZ scored 10 and; 8% or greater for IPZ scored 9 to 10.	New thresholds were developed based on the analysis conducted in consultation with municipalities and SPAs/SPCs.
	Road Salt Storage	Volumes that identify significant risk are: 500 tonnes for IPZs scored 10; 5000 tonnes for IPZs scored 9 or greater, or WHPAs scored 10 for uncovered storages; covered storage can not be a significant risk.		Using same scores of IPZs and WHPAs, proposed volumes are: (1) Any quantity for uncovered storages; (2) 100 kg or greater for covered storage excluding engineered facilities, (3) 500 tonnes or greater for engineered facility or structure.	Engineered facilities: permanent building anchored to a permanent foundation with an impermeable floor and that is completely roofed and walled.

Recommended Actions to Address the Over-Application of Winter Maintenance Chemicals Report Recommendations

To address the above concerns, the following recommendations are provided to the Lake Erie Region Source Protection Committee for consideration:

THAT the Province of Ontario explore ways to reduce the factors that contribute to excess application of winter maintenance chemicals on road ways and parking lots through a review of the liability framework in Ontario.

THAT the Province of Ontario work with municipalities to strengthen training programs for road agencies that apply winter maintenance chemicals on roads and sidewalks to reduce application rates without compromising road safety that would assist with mitigating risks to municipal drinking water systems.

THAT the Province of Ontario require property owners and contractors responsible for maintaining safe parking lots and sidewalks be trained and certified in the application of winter maintenance chemicals.

THAT the Province of Ontario change Prescribed Drinking Water Threats, “the application of road salt” and “the handling and storage of road salt” to “the application of winter maintenance chemicals” and “the handling and storage of winter maintenance chemicals”, and define the term in the regulation.

THAT the Province of Ontario change the Table of Circumstances related to the application of winter maintenance chemicals to differentiate between application on roads, sidewalks and parking lots to reflect the different liability issues and the nature of winter maintenance conducted for each surface type.

AND THAT the Province of Ontario amend the Clean Water Act’s Director’s Technical Rules to enable municipalities to proactively protect their municipal drinking water supplies from the application and storage of winter maintenance chemicals.

Appendix A:

Letter from Ontario Good Roads Association and Conservation Ontario to the Ontario Attorney General requesting a review of the liability related to application of winter maintenance chemicals

November 1, 2019
The Honourable Doug Downey
Attorney General of Ontario
McMurtry-Scott Building, 11th Floor
720 Bay Street
Toronto, Ontario
M7A 2S9

Dear Attorney General Downey,

Re: Municipal Liability and Insurance Costs

The excessive use of road salt has been shown to impact our environment including aquatic life and drinking water sources, and also our infrastructure. In Ontario, several drinking water sources are identified under the *Clean Water Act* as being impacted by elevated levels of chloride, a chemical found in road salt.

In 2016, the Ontario Good Roads Association (OGRA) and Conservation Ontario (CO) established a multi-stakeholder 'Salt Vulnerable Areas' working group, that developed a road salt best practices guidance document in 2018 for consideration by municipalities of varying capacities and budgets. In 2019, the OGRA and CO established the 'Ontario Road Salt Management Advisory Committee' in order to further the discussions around the broader policy and legislative framework related to the use of road salt, and to provide recommendations to help find the balance between environmental considerations and road safety.

The following recommendations are provided for the consideration of the Attorney General of Ontario:

Address excessive liability issues for municipalities

Ontario municipalities follow a Council approved Level of Service to ensure the safety of the travelling public, and they proactively work with government agencies and others in order to optimize the amount of road salt usage that balances public road safety with environmental concerns. However, excessive liability issues severely impact municipalities (and other road operation authorities) and in many cases may limit their ability to further adjust the application of road salt in order to meet environmental legislation that protects water resources.

Therefore it is recommended that the applicable liability framework be reviewed, such that road operation authorities can continue to ensure road safety while also supporting a further reduction in the amount of road salt applied.

Establish standards and address excessive liability issues for private contractors

There are many others that also use road salt besides municipalities, such as private contractors maintaining privately or municipally owned parking lots. The private sector often uses excessive amounts of road salt, in order to avoid liability claims. Training programs such as 'Smart about Salt' are available to the private sector to help them optimize road salt usage, but these programs are not mandatory.

Therefore, it is recommended that standards for road salt application and storage be established for the private sector to help reduce road salt reaching our water bodies. Further, it is recommended that the applicable liability framework be reviewed, such that private contractors can continue to ensure safety during the winter while also supporting a significant reduction in the amount of road salt applied.

In summary, steps to address liability, combined with standards (where they do not exist) for road salt application, can help preserve our precious natural resources.

We thank you for the opportunity to provide comments. Please feel free to contact Chitra Gowda (cgowda@conservationontario.ca) at CO or Fahad Shuja (fahad@ogra.org) at OGRA if you have any questions.

Sincerely,

Joe W. Tierney
Executive Director
Ontario Good Roads Association

Kim Gavine
General Manager
Conservation Ontario

Sent via email to: doug.downeyco@pc.ola.org; magpolicy@ontario.ca

Courtenay Hoytfox

From: AMO Communications <Communicate@amo.on.ca>
Sent: Thursday, January 9, 2020 10:03 AM
To: Courtenay Hoytfox
Subject: AMO WatchFile - January 9, 2020

AMO Watch File not displaying correctly? [View the online version](#) | [Send to a friend](#)
Add Communicate@amo.on.ca to your safe list



January 9, 2020

%%SAF_MESSAGE%%

In This Issue

- Excess soils regulation finalized.
- OSUM 67th Conference & Trade Show to be hosted by the County of Brant.
- AMO Conference 2020 Exhibit Hall Early Bird registration available until January 31.
- Book your accommodation for the 2020 AMO Conference in Ottawa, August 16-19.
- AMO's social media webinar series is back by popular demand!
- Fuel Management System webinar: Municipal Group Buying Program.
- Traffic Control Systems webinar: Municipal Group Buying Program.
- LAS webinar - Road and Sidewalk Assessment Service.
- Careers.

Provincial Matters

Ontario has finalized regulations to make it safer and easier to reuse excess soils. For more information please visit [Handling of Excess Soils](#).

Eye on Events

Scheduled for April 29 through May 1, the 2020 OSUM Conference and Trade Show will be another must attend event. Delegate [registration](#) and [exhibit hall registration](#) is now open.

Are you a municipal supplier or vendor? Do you have a product or service that would benefit the municipal sector? For AMO and municipal industry partners, this Conference is an unparalleled opportunity to make and solidify relationships with the municipal sector. Showcase your products or services at the AMO Conference in Ottawa, from August 16-19, 2020. [Reserve your booth today!](#)

2020 AMO Conference guest room booking opened on January 7 at 10:00 a.m. AMO has arranged hotel accommodations for delegates at eight hotels in downtown Ottawa. Although The Westin Ottawa and Fairmont Chateau Laurier are sold out, hotel rooms are still available at the remaining hotels. Please [click here](#) to book your

rooms and for all information on accommodation.

As elected officials living in the spotlight, effective communication is essential! Designed to help you navigate social media effectively, these 1 hour lunch & learn workshops will provide the tactics to promote good news, manage issues professionally, and leverage traditional and social media. [Register now](#) for 1 or all 4 webinars.

LAS

Webinar January 15 at 10 am - Our [Municipal Group Buying Program](#) has many offerings including the Gasboy Fuel Management System. [Register for this webinar](#) to learn how you can eliminate fuel waste with integrated fuel tracking, control, and security systems.

Webinar January 29 at 10 am - Did you know our [Municipal Group Buying Program](#) offers traffic control systems? [Register for the webinar](#) to learn what this involves and how ATS Traffic can help you keep your communities safe.

Webinar January 16 at 10 am - Join us for an overview of the [LAS Road and Sidewalk Assessment Service](#), including a demonstration of the Streetlogix software. [Register here](#).

Careers

[Director of Transit Expansion Capital Implementation - City of Toronto](#). Reports to: Executive Director, Transit Expansion Office (TEO). For more information on this and other opportunities with the City of Toronto, [visit us online](#). To [apply online](#), submit your resume, quoting Job ID 2291, by January 17, 2020.

[Assistant Deputy Minister, Policy & Planning - Ministry of Transportation](#). Job Term: 1 Permanent. Location: Toronto. Job ID 143916. Please apply only online by Monday, January 20, 2020 by visiting [Ontario Public Service Careers](#). Please follow the instructions to submit your application.

[Director of Planning, Building & By-Law - Town of Grimsby](#). Please submit your application, in confidence, by January 21, 2020 by 4:30 p.m. to the attention of Harry Schlange, Chief Administrative Officer, at hr@grimsby.ca. Please quote the position title in the subject line. For a full position description, please visit [Grimsby Careers](#).

[Economic Development & Special Projects Coordinator \(24 Month Contract\) - Town of Halton Hills](#). Qualified candidates may submit a detailed cover letter and resume in confidence to the Town by 4:30 p.m., January 22, 2020. Please quote Posting No. 201958 on your cover letter. Please apply using only one method of application: Email: humanresources@haltonhills.ca (preferred) Mail: Attn. Human Resources or Town of Halton Hills, 1 Halton Hills Drive, Halton Hills, ON L7G 5G2, Posting No. 201958.

[Public Works Superintendent - Front of Yonge Township](#). A complete job description is available on the Township's [website](#). Preferred start date is March 2020 (negotiable). Please submit a resume clearly marked "Public Works Superintendent Position" prior to 4:00 pm on Friday, January 24, 2020 to: Township of Front of Yonge, 1514 County

Road 2, PO Box 130, Mallorytown, ON K0E 1R0. ATTN: Jennifer Ault, Clerk. Email: admin@frontofyonge.com.

Chief Administrative Officer - Township of Leeds and the Thousand Islands. Please submit your covering letter and detailed resume in confidence to hr@townshipleeds.on.ca by 4:00 p.m., Friday, January 24, 2020. Please quote "Competition No. 01-20" in the subject line of your email.

Zoning and Compliance Report Examiner - City of Richmond Hill. Posting ID: 401. Department: Planning & Regulatory Services. Reports to: Manager, Plans Review & Compliance. Application Deadline: January 31, 2020. To apply for this position, please see Richmond Hill [Job Opportunities](#).

About AMO

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Media Inquiries Tel: 416.729.5425

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From: AMO Communications <Communicate@amo.on.ca>
Sent: Wednesday, January 15, 2020 5:36 PM
To: Courtenay Hoytfox
Subject: Government announces consultation on re-composition of OPP Detachment Boards

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January 15, 2020

Government announces consultation on re-composition of OPP Detachment Boards

On January 15th, the Honourable Sylvia Jones, Ontario's Solicitor General, wrote to Heads of Council to announce province-wide consultations on the drafting of regulations needed to support the establishment of new OPP detachment boards. These discussions will include changes to the billing framework allocating costs between municipalities with a shared OPP detachment board. AMO strongly encourages the participation of local elected officials in these discussions.

For municipalities, the goal of this engagement is a regulatory framework that supports successful and effective governance and delivers strong local civilian oversight of policing by the OPP. This should include mechanisms for every municipal council to be represented on an OPP detachment board and the equitable distribution of costs between municipalities.

The need for new OPP governance regulations is as a result of the new *Community Safety and Policing Act, 2019*. Key governance-related changes include:

Structure of Boards and Local Say

- There shall be one OPP detachment board per detachment (with flexibility for unique circumstances/geography). A board's composition, terms of office, and remuneration will be provided for in regulations and has yet to be determined.
- In effect, these changes extend police governance to about 200 municipalities (which do not have a board, ie. Section 5.1) but will consolidate multiple existing boards within a detachment.

Activity of Boards

- Boards shall determine local objectives, priorities, and policies in consultation with the Detachment Commander, consistent with the Solicitor General's strategic plan for the OPP.
- Boards shall consult with the Commissioner of the OPP regarding the selection of the Detachment Commander.
- The Detachment Commander shall prepare and adopt a local action plan in consultation with the board.
- Training for board members will become mandatory (Ministry support and funding is needed).

Financial Considerations

- There will be no distinction between contract and non-contract in the future. Effectively all policing will become contract.
- The focus of the billing related regulations will be to address transition matters and to account for service differences between municipalities as well as existing contracts expiring at the end of 2020.
- It should be noted, billing model changes will not lower the overall cost of policing for the municipal sector.

OPP Governance Advisory Council (Provincial)

- The establishment of this Council is to provide advice to the Solicitor General with respect to the use of the Solicitor General's powers related to the OPP.
- More generally, this change will enhance civilian governance of the OPP.

AMO Advocacy

AMO has impressed upon the Ministry of the need for:

- open and transparent discussions;
- a recognition that policing is fundamentally local (ie. it is important to maintain the close proximity of a community to its board and the police);
- locally workable governance arrangements; and
- the representation of every municipal council.

Key Municipal Considerations

For local elected officials participating in the government's consultation, here are some key considerations:

1. For communities without existing police service or detachment boards: boards are an opportunity to expand the democratic oversight and governance of policing. In the words of Sir Robert Peel, the father of modern policing, “the police are the public and the public are the police.” A detachment board helps to align policing objectives, priorities, and policies with community expectations.
2. For communities with existing OPP boards: the legislation aims to consolidate existing municipal board boundaries with OPP detachment board boundaries (thus potentially including multiple neighbouring municipalities in the same detachment). However, the legislation provides for flexibility to address unique geographic circumstances. If you feel your area’s needs are unique, help the Ministry understand that uniqueness in a province-wide context.
3. The size and composition of detachment boards have not been determined. This is your opportunity to inform the regulations which will determine board composition.
4. On the issue of policing costs, speak to your local circumstances. Highlight areas where your property taxpayers would benefit from greater transparency or illustrate steps that could be taken to improve the efficiency and effectiveness of policing in your community (ie. shift scheduling). This should include highlighting the need that all new policing regulations (governance and operations) should aim to improve the efficiency and effectiveness of policing and not drive policing costs even higher.
5. On the issue of OPP billing, note that billing changes alone will not lower the overall cost of policing by the OPP. The equitable distribution of costs across the detachment is a key goal of all municipalities.

The Solicitor General has advised that regional roundtable meetings will be taking place in Kenora, Thunder Bay, Sudbury, Timmins, London, Brockville, and Orillia. The Ministry will communicate the dates and times of these meetings shortly in separate correspondence.

In addition, the Ontario Association of Police Service Boards is convening an [OPP Governance Summit](#) on January 30, 2020 which will include a presentation by the Ministry.

AMO will continue to engage the Ministry in discussions related to OPP detachment boards and other regulations which affect policing (OPP and own-force) in all municipalities in the months ahead. Please feel free to relay any positions or concerns of sector-wide interest to AMO.

AMO Contact:

Matthew Wilson, Senior Advisor, mwilson@amo.on.ca, 416-971-9856 ext. 323.

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Courtenay Hoytfox

From: AMO Communications <Communicate@amo.on.ca>
Sent: Thursday, January 16, 2020 10:01 AM
To: Courtenay Hoytfox
Subject: AMO WatchFile - January 16, 2020

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January 16, 2020

In This Issue

- Municipal - Conservation Authority MOU planning services.
- A Digital Citizen Relationship Management solution for AMO members.
- Webinar on school bus stop arm cameras.
- OSUM 67th Conference & Trade Show hosted by the County of Brant.
- AMO Conference 2020 Exhibit Hall Early Bird registration available until January 31.
- Book your accommodation for the 2020 AMO Conference in Ottawa, August 16-19.
- AMO's social media webinar series is back by popular demand!
- Three instant benefits of the Municipal Group Buying Program.
- Traffic Supplies webinar: Municipal Group Buying Program.
- Apply for a ParticipACTION Community Better Challenge grant.
- Career with Halton Region.

AMO Matters

A template for planning services from Conservation Authorities has been developed. If you need a tool to establish or renegotiate your agreement with a Conservation Authority, this [template](#) is a good place to start.

Looking to digitally manage your engagement with the public as well as your interactions across municipal departments efficiently? AMO's partner, [Frequency Foundry](#), has the solution. Frequency Foundry is pleased to exclusively offer the [Signal 311](#) CRM and Citizen Engagement solution to AMO members at a preferred price. [Read the brochure](#) for more details.

Provincial Matters

The Ministry of Transportation is offering a webinar on January 31, 10:30 - 11:30 a.m. on school bus stop arm camera technology and possible future changes. The webinar will cover potential signage requirements, disclosure and other contemplated evidentiary requirements. Municipal government officials interested in accessing the webinar can [join the Zoom Meeting](#) using Meeting ID: 561 648 745. To avoid any

audio issues, please call in to 416.212.8014 or long distance at 1.866.500.5845, Conference ID 1962066 at the time of meeting.

Eye on Events

Scheduled for April 29 through May 1, the 2020 OSUM Conference and Trade Show will be another must attend event. Delegate [registration](#) and [exhibit hall registration](#) is now open.

Are you a municipal supplier or vendor? Do you have a product or service that would benefit the municipal sector? For AMO and municipal industry partners, this Conference is an unparalleled opportunity to make and solidify relationships with the municipal sector. Showcase your products or services at the AMO Conference in Ottawa, from August 16-19, 2020. [Reserve your booth today!](#)

2020 AMO Conference guest room booking opened on January 7 at 10:00 a.m. AMO has arranged hotel accommodations for delegates at eight hotels in downtown Ottawa. Although The Westin Ottawa and Fairmont Chateau Laurier are sold out, hotel rooms are still available at the remaining hotels. Please [click here](#) to book your rooms and for all information on accommodation.

As elected officials living in the spotlight, effective communication is essential! Designed to help you navigate social media effectively, these 1 hour lunch & learn workshops will provide the tactics to promote good news, manage issues professionally, and leverage traditional and social media. [Register now](#) for 1 or all 4 webinars.

LAS

Those in the [Municipal Group Buying Program](#) instantly benefit from (1) time savings by not having to RFP, (2) the buying power of over 2500 municipal participants, and (3) access to national account pricing through local vendors. There's no time like the present to check out this popular NEW program!

Webinar January 29 at 10 am - Did you know our [Municipal Group Buying Program](#) offers signs, road markings, and other traffic control systems? Register for the webinar to learn what this involves and how ATS Traffic can help you keep your communities safe? [Register for the webinar](#) to learn what this involves and how ATS Traffic can help you keep your communities safe.

Municipal Wire*

The [ParticipACTION Community Better Challenge](#) is back from June 1-21, 2020. Municipalities, schools, sport groups and workplaces are encouraged to get active, host events and track minutes to help their community be named Canada's Most Active Community and win \$150,000. Organizations can apply for a grant from January 27 thru February 28 to support their events. For inquiries about the challenge, please email info@participACTION.com.

Careers

[Waste Management Operator II - Region of Halton](#). This is a temporary full-time position working 40 hours per week, up to twelve (12) months. Department: Public Works. Location: Halton Waste Management Site (HWMS). Posting No.: PW-005-20.

Posting Expires: January 23, 2020. Please apply online at Halton Region [Current Employment Opportunities](#).

About AMO

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Courtenay Hoytfox

From: Stephanie Allman <Stephanie.Allman@enbridge.com>
Sent: Monday, January 6, 2020 1:26 PM
Subject: EB-2019-0247 - 2020 Federal Carbon Pricing Program - Notice of Application - Clerks
Attachments: Notice_EGI_2020 FCPP_20200103.pdf; Notice_EGI_2020 FCPP_20200103_FR.pdf; EGI_APPL_20191127.pdf

To: Clerks of all municipalities in which Enbridge Gas Inc. supplies gas

On November 18, 2019, Enbridge Gas filed an application with the Board for an order or orders for gas distribution rate changes and clearing certain non-commodity deferral and variance accounts related to compliance obligations under the Greenhouse Gas Pollution Pricing Act, S.C. 2018, c. 12, s. 186.

On January 3, 2020, the Board issued the Notice of Application and the Letter of Direction for the proceeding. The Board has directed Enbridge Gas to serve a copy of the Notice of Application along with Enbridge Gas' Application and evidence to the clerks of all municipalities in which Enbridge Gas Inc. supplies gas.

The deadline to become a registered intervenor is January 27, 2020.

Attached please find a copy of the Board's Notice of Application along with Enbridge Gas' Application and evidence as filed with the Board for the 2020 Federal Carbon Pricing Program. The evidence in this proceeding is alternatively available on the Enbridge website. A paper copy of the

Evidence filed in this proceeding is available upon request or can be viewed by accessing the link below:

<https://www.enbridgegas.com/Regulatory-Proceedings>

Thank you,

Stephanie Allman

Regulatory Coordinator – Regulatory Affairs

ENBRIDGE GAS INC.

TEL: 416 753-7805 | FAX: 416 495-6072

500 Consumers Road North York, Ontario M2J 1P8

enbridgegas.com

Integrity. Safety. Respect.

ONTARIO ENERGY BOARD NOTICE TO CUSTOMERS OF ENBRIDGE GAS INC.

Enbridge Gas Inc. has applied to raise its natural gas rates effective April 1, 2020, to recover costs associated with the federal government's *Greenhouse Gas Pollution Pricing Act*, and to recover certain related account balances.

Learn more. Have your say.

Enbridge Gas Inc. (Enbridge Gas) has applied to the Ontario Energy Board for approval to increase its rates effective April 1, 2020, to recover the costs associated with meeting its obligations under the federal government's *Greenhouse Gas Pollution Pricing Act*. Enbridge Gas has also applied to recover from customers the balances in the related deferral and variance accounts.

The *Greenhouse Gas Pollution Pricing Act* establishes a carbon pricing program under which a natural gas utility in Ontario, such as Enbridge Gas, is required to pay a carbon charge for the natural gas that it delivers to its customers. The carbon charge came into effect on April 1, 2019, and will increase on April 1, 2020. The costs related to emissions from the operation of Enbridge Gas' natural gas distribution system are also increasing.

Enbridge Gas says that if its application is approved as filed, it will have the following bill impacts:

- A typical residential customer in the EGD rate zone (former customers of Enbridge Gas Distribution Inc.) will see a bill increase of \$68.75. This is composed of a \$47.16 yearly bill increase arising from the 2020 carbon charges, plus a one-time charge of \$21.59, to recover the balances in the related deferral and variance accounts.
- A typical residential customer in the Union South rate zone (former customers of Union Gas Limited), will see a bill increase of \$61.32. This is composed of a \$43.15 yearly bill increase from the 2020 carbon charges, plus a one-time charge of \$18.17, to recover the balances in the related deferral and variance accounts.
- A typical residential customer in the Union North rate zone (former customers of Union Gas Limited), will see a bill increase of \$61.97. This is composed of a \$43.15 yearly bill increase arising from the 2020 carbon charges, plus a one-time charge of \$18.82, to recover the balances in the related deferral and variance accounts.

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

THE ONTARIO ENERGY BOARD IS HOLDING A PUBLIC HEARING

The Ontario Energy Board (OEB) will hold a public hearing to consider the application filed by Enbridge Gas. During the hearing, the OEB will question Enbridge Gas on its application and will hear questions and arguments from participants (called intervenors) that have registered to actively participate in the hearing.

The OEB is an independent and impartial public agency. We make decisions that serve the public interest. Our goal is to promote a financially viable and efficient energy sector that provides you with reliable energy services at a reasonable cost.

BE INFORMED AND HAVE YOUR SAY

You have the right to information regarding this application and to be involved in the process.

- You can review the application filed by Enbridge Gas on the OEB's website now.
- You can file a letter with your comments, which will be considered during the hearing.
- You can become an active participant (called an intervenor). As an intervenor, you can ask questions and make arguments about Enbridge Gas' application. Apply by **January 27, 2020** or the hearing will go ahead without you and you will not receive any further notice of the proceeding.
- At the end of the process, you can review the OEB's decision and its reasons on our website.

LEARN MORE

Our file number for this case is **EB-2019-0247**. To learn more about this hearing, find instructions on how to file letters or become an intervenor, or to access any document related to this case, please enter the file number **EB-2019-0247** on the OEB website: **www.oeb.ca/notice**. You can also phone our Consumer Relations Centre at 1-877-632-2727 with any questions.

ORAL VS. WRITTEN HEARINGS

There are two types of OEB hearings – oral and written. Enbridge Gas has applied for a written hearing. The OEB is considering this request. If you think an oral hearing is needed, you can write to the OEB to explain why by **January 27, 2020**.

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. However, your personal telephone number, home address and e-mail address will be removed. If you are a business, all your information will remain public. If you apply to become an intervenor, all information will be public.

This rate hearing will be held under section 36 of the Ontario Energy Board Act, S.O. 1998 c.15 (Schedule B).





Adam Stiers
Technical Manager
Regulatory Applications
Regulatory Affairs

Tel: (519) 436-4558
Email: astiers@uniongas.com
EGIRegulatoryProceedings@enbridge.com

Enbridge Gas Inc.
P.O. Box 2001
50 Keil Drive N.
Chatham, Ontario, N7M 5M1
Canada

November 18, 2019

BY RESS, EMAIL AND COURIER

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

Dear Ms. Long:

**Re: Enbridge Gas Inc.
Ontario Energy Board File No.: EB-2019-0247
2020 Federal Carbon Pricing Program Application**

Enclosed is the application and pre-filed evidence of Enbridge Gas Inc. ("Enbridge Gas") for its 2020 Federal Carbon Pricing Program ("Application").

Enbridge Gas is filing this Application in order to comply with the federal *Greenhouse Gas Pollution Pricing Act* (the "GGPPA"). A federal carbon pricing program ("FCPP") under the GGPPA applies 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 of Canada confirmed that the GGPPA applies to 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 (ii) an Output-Based Pricing System ("OBPS") for prescribed industrial facilities effective January 1, 2019.

Enbridge Gas is seeking OEB approval of just and reasonable rates effective April 1, 2020 for the EGD rate zone and Union rate zones, to recover the costs associated with the GGPPA as a pass-through to customers. Enbridge Gas is also seeking OEB approval to dispose of the 2019 balances recorded in its FCPP-related deferral and variance accounts effective April 1, 2020. /C

Enbridge Gas requests that the OEB issue orders granting the approvals requested on a final basis by February 13, 2020. 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, 2020 on an interim basis by February 13, 2020. Given the significance of Enbridge Gas's obligations under the GGPPA and considering the magnitude of rate increases, it is appropriate to avoid continued accumulation of unbilled and uncollected amounts from customers that could result in a larger impact on bills when such amounts are recovered in the future. /C

Enbridge Gas will file a draft rate order for final rates following issuance of the OEB's Decision and Order for this Application.

Enbridge Gas's application and pre-filed evidence will be made available on Enbridge Gas's website at:

<https://www.uniongas.com/about-us/company-overview/regulatory>; and
<https://www.enbridgegas.com/Regulatory-Proceedings>.

If you have any questions, please contact the undersigned.

Sincerely,

[original signed by]

Adam Stiers
Technical Manager, Regulatory Applications

c.c.: EB-2018-0205 (Intervenors)

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 and clearing certain non-commodity deferral and variance accounts related to compliance obligations under the *Greenhouse Gas Pollution Pricing Act*, S.C. 2018, c. 12, s. 186.

ENBRIDGE GAS INC.

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 (the "FCPP") applies 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. 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 (ii) an Output-Based Pricing System ("OBPS") for prescribed industrial facilities effective January 1, 2019. Enbridge Gas's operations as an integrated natural gas utility in Ontario fall under the purview of the GGPPA, which result in the following costs being incurred:
 - a. Incremental administration and program costs;

- 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 OBPS; and
 - c. Facility-related costs (“Facility Carbon Charge”) arising from Enbridge Gas’s facilities and operation of its gas distribution system.

- 4. In its 2019 FCPP application and pre-filed evidence (EB-2018-0205) (“2019 Application”), Enbridge Gas sought interim Ontario Energy Board (“OEB”) approval by February 28, 2019 of just and reasonable rates effective April 1, 2019 for the EGD rate zone and Union rate zones, to recover the costs associated with the GGPPA as a pass-through to customers. On February 28, 2019, the OEB issued an Interim Decision and Accounting Orders: (i) approving the establishment of FCPP-related accounts and Accounting Orders on an interim basis; and (ii) denying interim rates effective April 1, 2019. The reason that the OEB gave for not approving interim rates was to “...consider the comments of stakeholders and submissions of parties prior to making a determination on any new charges and related bill presentation issues.”¹ The OEB subsequently “...generally found the proposals by Enbridge Gas reasonable...”² approving forecasts, rate riders and charges as filed and finalizing the establishment of new FCPP-related deferral and variance accounts.³

- 5. Similar to its 2019 Application and in accordance with the 2019 Application OEB Decision and Accounting Orders, Enbridge Gas hereby applies to the OEB, pursuant to the *Ontario Energy Board Act, 1998*, S.O. 1998, c.15, Schedule B (“OEB 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 pursuant to the GGPPA, effective April 1, 2020;
 - b. an order or orders approving or fixing just and reasonable rates for all Enbridge Gas rate zones (EGD, Union North and Union South),⁴ effective

¹ EB-2018-0205, Interim Decision and Accounting Orders, February 28, 2019, p. 4.

² EB-2018-0205, Decision and Order, July 4, 2019, pp. 1-2.

³ EB-2018-0205, Decision and Order, July 4, 2019, pp. 5-6, 9-10 and 12.

⁴ Collectively, the Union North and Union South rate zones are referred to as the “Union rate zones”.

- c. April 1, 2020, to allow Enbridge Gas to recover other costs (including Facility Carbon Charge costs) in compliance with the GGPPA; and
 - d. approval of 2019 balances for all FCPP-related deferral and variance accounts, for all Enbridge Gas rate zones, as set out in Exhibit C and for an order or orders to dispose of those balances.
6. To meet the April 1, 2020 effective date, Enbridge Gas requests that the OEB approve its proposed rates and 2019 FCPP-related deferral and variance account balances for disposition no later than February 13, 2020. The nature of the FCPP charges and bill presentment are not at issue in this case as in the 2019 Application.
7. If the OEB considers that it is not possible to provide the approvals sought by February 13, 2020, then Enbridge Gas requests that the OEB approve its proposed rates on an /C interim basis by February 13, 2020 to avoid the accumulation of unbilled and uncollected /C amounts from customers that could result in a larger impact on bills when such amounts are recovered in the future.
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:

Enbridge Gas Inc.
P.O. Box 2001
50 Keil Drive North
Chatham, Ontario N7M 5M1

Attention: Adam Stiers
Technical Manager, Regulatory Applications – Regulatory Affairs
Telephone: (519) 436-4558
Fax: (519) 436-4641
Email: astiers@uniongas.com
egiregulatoryproceedings@enbridge.com

-and-

Attention: Tania Persad
Senior Legal Counsel
Telephone: (416) 495-5891
Fax: (416) 495-5994
Email: tania.persad@enbridge.com

Dated: November 18, 2019

Enbridge Gas Inc.

[original signed by]

Adam Stiers
Technical Manager, Regulatory Applications – Regulatory Affairs

OVERVIEW

The purpose of this evidence is to summarize the application of Enbridge Gas Inc. (“Enbridge Gas”) for: (i) just and reasonable rates to recover the costs associated with the *Greenhouse Gas Pollution Pricing Act*, S.C. 2018, c. 12, s. 186 (“GGPPA”) as a pass-through to customers throughout the Enbridge Gas Distribution (“EGD”) rate zone and Union Gas (“Union”)¹ rate zones effective April 1, 2020 (“Application”); and (ii) approval of 2019 balances for all federal carbon pricing program (“FCPP”)-related deferral and variance accounts and disposition of the same.

The evidence is organized as follows:

Exhibit A: Overview

Exhibit B: Forecasts

- Tab 1: EGD Rate Zone
- Tab 2: Union Rate Zones

Exhibit C: Deferral and Variance Accounts

Exhibit D: Cost Recovery

- Tab 1: EGD Rate Zone
- Tab 2: Union Rate Zones

This exhibit of evidence discusses Enbridge Gas’s OEB-approved 2019 Federal Carbon Pricing Program Application, Enbridge Gas’s obligations under the GGPPA as a natural

¹ “Union rate zones” collectively refers to the Union North rate zone and the Union South rate zone.

gas utility, and the approvals sought by Enbridge Gas from the Ontario Energy Board (“Board” or “OEB”).

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

2.1 Volumes Subject to Federal Carbon Charge

2.2 Volumes Subject to OBPS

3. Requested Approvals

4. Administration

1. BACKGROUND

On June 21, 2018, the *Budget Implementation Act, 2018, No. 1* received Royal Assent. Part V included the *Greenhouse Gas Pollution Pricing Act*. The FCPP applies 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.

Accordingly, Enbridge Gas filed a consolidated 2019 Federal Carbon Pricing Program Application with the OEB on January 11, 2019 (“2019 Application”), seeking approval to increase rates to recover costs in the EGD rate zone and Union rate zones associated with Enbridge Gas’s obligations under the FCPP. The OEB “generally found the

1 *proposals by Enbridge Gas reasonable*;² approving forecasts, rate riders and charges
2 as filed and finalizing the establishment of new FCPP-related deferral and variance
3 accounts.³

4
5 In its written submission on Enbridge Gas's 2019 Application, OEB Staff stated that
6 Enbridge Gas should apply to dispose of the 2019 balances in its proposed FCPP-
7 related deferral and variance accounts as part of a future annual FCPP-related
8 application so that all FCPP-related costs and balances are reviewed in the same
9 proceeding.⁴ As set out in the response to OEB Staff interrogatories and reiterated in its
10 reply argument, Enbridge Gas stated its intent to apply to dispose of the 2019 balances
11 in its proposed FCPP-related deferral and variance accounts at the earliest opportunity
12 following the issuance of a Decision and Order from the OEB on Enbridge Gas's 2019
13 Federal Carbon Pricing Program application.⁵ Further, in its Decision the OEB stated
14 that,

15 [it] expects Enbridge Gas to file an application to update customer rates for future
16 legislated changes to the carbon charges in order to minimize variances. The OEB
17 also expects any applications to dispose of the deferral account and variance
18 accounts to be done in conjunction with any such rate application. This could include
19 the disposition of the variance accounts on an interim basis if audited balances are
20 not yet available when there are legislated changes to the carbon charges.⁶

21
22 Accordingly, and as set out at Exhibit C, Enbridge Gas proposes to clear the 2019
23 balances in its OEB-approved Greenhouse Gas Emissions Administration Deferral

² EB-2018-0205, Decision and Order, July 4, 2019, pp. 1-2.

³ EB-2018-0205, Decision and Order, July 4, 2019, pp. 5-6, 9-10 and 12.

⁴ EB-2018-0205, OEB Staff Submission, May 27, 2019, p. 6.

⁵ EB-2018-0205, Exhibit.I.STAFF.13, April 29, 2019; EB-2018-0205, Reply Argument, June 10, 2019, p. 7.

⁶ EB-2018-0205, Decision and Order, July 4, 2019, p. 12.

Accounts, Federal Carbon Charge Customer Variance Accounts and Federal Carbon Charge Facility Variance Accounts. The balances proposed for disposition are composed of actual costs incurred by Enbridge Gas and recorded in these accounts up to September 30, 2019 and forecasted costs from October 1, 2019 to December 31, 2019. Enbridge Gas expects that the quantum of variance between forecasted costs and final balances to be minimal. Enbridge Gas will seek disposition of any variance to forecast of final FCPP-related costs for 2019 (October to December) as well as any variance to forecast for 2020 through a future application to the OEB.

1.1 THE FEDERAL CARBON PRICING PROGRAM

The FCPP is composed of two elements:

1. A charge on fossil fuels (the “Federal Carbon Charge”) as a cost per unit of fuel, including natural gas (cubic meters or m³), imposed on distributors, importers and producers applicable from 2019 to 2022 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. for distribution buildings, boilers/line heaters and Natural Gas Vehicle (“NGV”) fleet fuel). Exemptions from the Federal Carbon Charge are explained below. The Federal Carbon Charge is equivalent to \$30 per tonne of carbon dioxide equivalent (“tCO₂e”) or 5.87 ¢/m³ in 2020 and increases by \$10/tCO₂e annually, reaching \$50/tCO₂e or 9.79 ¢/m³ in 2022 (see Table A-1). The Federal Carbon Charge became effective April 1, 2019 and increases each subsequent year on April 1.

Table A-1
2019 – 2022 Federal Carbon Charge Rates for Marketable Natural Gas⁷

Year	\$/tCO₂e	¢/m³
2019	\$20	3.91
2020	\$30	5.87
2021	\$40	7.83
2022	\$50	9.79

2. Entities that are covered under Part 2 of the GGPPA, “Industrial Greenhouse Gas Emissions”, are exempt from coverage under Part 1 of the GGPPA, “Fuel Charge”. Part 2 entities are instead covered under an Output-Based Pricing System (“OBPS”), with mandatory and voluntary participation thresholds, established for prescribed industrial facilities that emit specified volumes of greenhouse gas (“GHG”) emissions, measured in tCO₂e, annually.⁸ This component of the GGPPA became effective January 1, 2019.

The OBPS creates a pricing incentive to reduce GHG emissions from Energy Intensive and Trade Exposed (“EITE”) industrial facilities while limiting the impacts of carbon pricing on their respective competitiveness. Entities included in the OBPS will be required to apply to Environment and Climate Change Canada (“ECCC”), and to the Canada Revenue Agency (“CRA”) for exemption

⁷ The GGPPA, Schedule 2 and Schedule 4.

⁸ The mandatory emissions threshold for entities identified as being in an Energy Intensive and Trade Exposed sector has been established as 50 ktCO₂e or more per year by Environment and Climate Change Canada. Voluntary participants may opt-in to the OBPS if the entity emits between 10 - 50 ktCO₂e per year. In both cases, facilities must carry out an activity for which an Output-Based Standard is prescribed to be eligible; <https://www.canada.ca/en/environment-climate-change/services/climate-change/pricing-pollution-how-it-will-work/output-based-pricing-system.html>

1 from the Federal Carbon Charge. The exemption certificate issued by the CRA
2 must then be submitted to Enbridge Gas to ensure that the entity is not charged
3 the Federal Carbon Charge on its natural gas bill. Participants in the OBPS will
4 be required to report and manage their own compliance obligations and have the
5 following options to satisfy annual emissions that exceed their sector-based
6 emission intensity benchmark:⁹

- 7 (i) pay the excess emissions charge;¹⁰
- 8 (ii) submit surplus credits issued by the federal government ("Credits");¹¹ or
- 9 (iii) submit eligible offset credits ("Offset Credits").¹²

10
11 Enbridge notes the following key changes in the FCPP as compared to the time of filing
12 its 2019 Application:

- 13 (i) Partial relief (80%) of the Federal Carbon Charge for the greenhouse sector
14 has been confirmed; and
- 15 (ii) The final OBPS regulations have been published, including finalization of the
16 Output-Based Standard ("OBS") for industrials.

⁹ Output Based Standards are included for each industrial activity in Schedule 1 of the Output Based Pricing System Regulations <https://laws-lois.justice.gc.ca/eng/regulations/SOR-2019-266/page-15.html#h-1185036>

¹⁰ Excess emission charge is the carbon price in \$/tCO₂e as outlined in Table A-1. Rates of charge applicable from 2019-2022 are outlined in Schedule 4 of the GGPPA.

¹¹ Credits are issued by the federal government to facilities that achieve annual emissions volumes below their annual output-based emissions limit. Each credit represents one tCO₂e, 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 credits were issued and will be tracked using a centralized system (currently under development).

¹² Offset Credits represent greenhouse gas 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 (i.e. the reductions go beyond legal requirements and standard practice).

The only aspect of the FCPP that currently remains outstanding is development of the federal GHG offset system.¹³

Enbridge Gas's Application is being submitted at this time to be able to comply with the GGPPA and begin charging customers the 2020 Federal Carbon Charge Rate for natural gas, in accordance with the FCPP, beginning April 1, 2020.

2. ENBRIDGE GAS'S OBLIGATIONS UNDER THE GGPPA

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 (Minister of National Revenue) as a "distributor" for volumes of natural gas delivered to its customers.¹⁴

Further, Enbridge Gas is required to register under the GGPPA as an "emitter" since its transmission and storage compressor stations are "covered facilities" under Part 2 of the GGPPA.¹⁵

Enbridge Gas is required to remit the Federal Carbon Charges related to the GGPPA to the Government of Canada. As an "emitter" Enbridge Gas is required to remit payment

¹³ Details of the proposed federal offset credit program were made available in June 2018 through a discussion paper entitled Carbon Pollution Pricing: Options for a Federal GHG Offset System <https://laws-lois.justice.gc.ca/eng/regulations/SOR-2019-266/page-15.html#h-1185036>

¹⁴ The GGPPA, s.55 (1); The GGPPA requires registration of distributors of marketable or non-marketable natural gas. The GGPPA defines "marketable natural gas" as natural gas that consists of at least 90% methane and that meets the specifications for pipeline transport and sale for general distribution to the public. The GGPPA defines "non-marketable natural gas" as natural gas other than marketable natural gas.

¹⁵ The GGPPA, s.57(1).

for any excess emissions under the OBPS. Enbridge Gas has estimated the 2020 cost of compliance with the GGPPA to be approximately \$1.03 billion: \$624.0 million for the EGD rate zone (see Exhibit B, Tab 1 for additional detail) and \$406.4 million for the Union rate zones (see Exhibit B, Tab 2 for additional detail). In addition, Enbridge Gas forecasts 2020 administration costs of approximately \$2.6 million associated with administration of requirements under the GGPPA (see Exhibit C for additional detail).

3.1 VOLUMES SUBJECT TO FEDERAL CARBON CHARGE

With the exception of customer volumes that are covered under the OBPS program, 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.¹⁶ Under the GGPPA Enbridge Gas is required, on a monthly basis, to:¹⁷

- 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.

¹⁶ To calculate Enbridge Gas’s 2020 customer volume forecast at Exhibit B, Tab 1, Schedule 1, and at Exhibit B, Tab 2, Schedule 1, 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, registered emitters covered under the OBPS program, and customers who use natural gas in a non-covered activity. 80% of volumes for eligible greenhouses are also excluded.

¹⁷ The GGPPA, s.68 (2b), s.71 (3).

Forecast Customer Volumes and Costs

As set out in Table A-1 and detailed in Enbridge Gas's OEB-approved 2019 Application, Enbridge Gas is required to remit the 2019 Federal Carbon Charge rate of 3.91 ¢/m³ of natural gas consumed for applicable customers up until March 31, 2020. Enbridge Gas's forecast cost associated with Customer Volumes for the period of January 1, 2020 to March 31, 2020 is \$312.6 million: \$195.8 million for the EGD rate zone and \$116.8 million for the Union rate zones (please see Table A-2 for additional detail).

Table A-2
Forecast Customer Volumes and Costs (January 1, 2020 to March 31, 2020)

Rate Zone	Customer-Related Volumes (10 ³ m ³)	Customer-Related Cost (\$ million)
EGD Rate Zone	5,007,792	195.8
Union Rate Zones	2,986,285	116.8
Total	7,994,077	312.6

Similarly, as set out in Table A-1, Enbridge Gas is required to remit the 2020 Federal Carbon Charge rate of 5.87 ¢/m³ of natural gas consumed for applicable customers from April 1, 2020 to March 31, 2021. As outlined at Exhibit D and consistent with Enbridge Gas's treatment of 2019 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, 2020 to March 31, 2021 is \$1,026.1 million: \$623.2 million for the EGD rate zone and \$402.9 million for the Union rate zones (please see Exhibit B for additional detail on costs associated with Customer Volumes for the period of April 1, 2020 to March 31, 2021).

1 These cost estimates are subject to change based on actual distribution volumes and
2 are meant to be used for informational purposes only. Customers will be charged the
3 Federal Carbon Charge rate monthly based on actual billed volumes.

4
5 Customers that hold an Exemption Certificate must provide a copy to Enbridge Gas no
6 later than two weeks in advance of the first day of the month in which they wish to have
7 their consumption volumes exempted from the Federal Carbon Charge. Similarly, if a
8 customer is no longer eligible to hold an Exemption Certificate, they must provide notice
9 to Enbridge Gas to remove the exemption from the Federal Carbon Charge.

10
11 *Forecast Company Use Volumes and Costs*

12 As set out in Table A-1 and detailed in Enbridge Gas's OEB-approved 2019 Application,
13 Enbridge Gas is required to remit the 2019 Federal Carbon Charge rate of 3.91 ¢/m³ of
14 natural gas consumed in the operation of Enbridge Gas's facilities which are not
15 covered by the OBPS (i.e. distribution buildings, boilers/line heaters and NGV fleet
16 volumes) ("Company Use Volumes") up until March 31, 2020. Enbridge Gas's forecast
17 cost associated with Company Use Volumes for the period of January 1, 2020 to March
18 31, 2020 is \$0.3 million: \$0.1 million for the EGD rate zone and \$0.2 million for the
19 Union rate zones (please see Table A-3 for additional detail).

Table A-3
Forecast Company Use Volumes and Costs (January 1, 2020 to March 31, 2020)

Rate Zone	Facility-Related Volumes¹⁸ (10 ³ m ³)	Facility-Related Costs (\$ million)
EGD Rate Zone	2,707	0.1
Union Rate Zones	5,536	0.2
Total	8,243	0.3

Similarly, as set out in Table A-1, Enbridge Gas is required to remit the 2020 Federal Carbon Charge rate of 5.87 ¢/m³ for natural gas consumed in the operation of Enbridge Gas's facilities which are not covered by the OBPS (i.e. distribution buildings, boilers/line heaters and NGV fleet 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, 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, 2020 to March 31, 2021 is approximately \$1.0 million: \$0.4 million for the EGD rate zone and \$0.6 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, 2020 to March 31, 2021).

The forecast Company Use Volumes and associated Facility Carbon Charge cost estimate are subject to change based on actual Facility Volumes.

¹⁸ Facility-related volumes shown on this table are the Company Use Volumes that are subject to the Federal Carbon Charge. OBPS Volumes for 2019 were included in the 2019 Application and OBPS Volumes for 2020 are discussed at Exhibit B.

3.2 VOLUMES SUBJECT TO OBPS

Transmission of marketable natural gas is a covered activity under the OBPS and includes installations and equipment such as compressor stations, storage installations, and compressor units that have a common owner/operator within a province.¹⁹ For Enbridge Gas, this includes fuel used in transmission and storage compressor facilities (“OBPS Volumes”). Under the GGPPA, Enbridge Gas is required, on an annual basis, to:

- calculate and report to ECCC, Enbridge Gas’s emissions and emissions limit for each compliance period; and
- provide compensation for, or otherwise obtain Credits or Offset Credits to cover any excess emissions by the applicable deadline.

OBPS-qualified facilities have a compliance obligation for the portion of their emissions that exceed an annual facility emission limit. Under the OBPS, annual facility emissions limits are calculated based on a specific OBS and annual facility production. The OBS for the transmission of marketable natural gas is 80% of production-weighted national average emissions intensity. The costs associated with OBPS Volumes will be recovered from customers as part of the Facility Carbon Charge, as detailed at Exhibit D, included in delivery or transportation charges on customers’ bills. Enbridge Gas’s forecast 2020 (January 1, 2020 to December 31, 2020) cost associated with OBPS

¹⁹ The GGPPA, Part 2 (industrial GHG Emissions) and the Output Based Pricing System Regulations SOR/2019-266.

Volumes is \$3.2 million; \$0.4 million for the EGD rate zone and \$2.8 million for the Union rate zones (please see Exhibit B for additional detail on costs associated with OBPS Volumes for the period of January 1, 2020 to December 31, 2020).

3. REQUESTED APPROVALS

As the costs to comply with the GGPPA form part of Enbridge Gas's ongoing operating costs as a utility, and consistent with Enbridge Gas's 2019 Application, Enbridge Gas proposes to continue to treat all prudently incurred costs of compliance with the GGPPA as a pass-through to customers (Y Factor).

Through this Application and by February 13, 2019, Enbridge Gas is seeking:

- 1) Final OEB approval of rates to be applied to customer bills beginning April 1, 2020, as set out at Exhibit D.
- 2) OEB approval to dispose of the 2019 balances recorded in Enbridge Gas's FCPP-related deferral and variance accounts (composed of actual costs incurred from January 1, 2019 to September 31, 2019 and forecasted costs from October 1, 2019 to December 31, 2019) beginning April 1, 2020, as set out at Exhibit C and at Exhibit D.

If the OEB considers that it is not possible to conclude its review and to provide a decision on the Application and approvals sought by Enbridge Gas by February 13, 2020 then Enbridge Gas requests that the OEB approve rates to be applied to customer bills beginning April 1, 2020, as set out at Exhibit D, on an interim basis by February 13,

2019. Given the significance of Enbridge Gas's obligations under the GGPPA and considering the magnitude of rate increases, it is appropriate to avoid continued accumulation of unbilled and uncollected amounts from customers that could result in a larger impact on bills when such amounts are recovered in the future. A review of the nature of the FCPP charges and bill presentment, that prevented the OEB from issuing interim approval of the 2019 Application, are not at issue in this case. Enbridge Gas will file a draft rate order for final rates following the issuance of the OEB's Decision and Order for this Application.

4. ADMINISTRATION

Table of Contents	Please see Exhibit A, Schedule 1.
Glossary of Acronyms and Defined Terms	Please see Exhibit A, Schedule 2.
Bill Impacts	<p>The bill impact of the 2020 carbon charges for a typical residential customer with annual consumption of 2,400 m³ is an increase of \$47.16 per year in the EGD rate zone. The bill impact of the proposed 2019 FCPP-related deferral and variance account balance disposition for a typical residential customer with annual consumption of 2,400 m³ is \$21.59 in the EGD rate zone.</p> <p>The bill impact of the 2020 carbon charges for a typical residential customer with annual consumption of 2,200 m³ is an increase of \$43.15 per year in the Union rate zones. The bill impact of the proposed 2019 FCPP-related deferral and variance account balance disposition for a typical residential customer with annual consumption of 2,200 m³ is \$18.17 in the Union South rate zone and \$18.82 in the Union North rate zone.</p>
Specific Approvals Requested	<p>Approval by February 13, 2020, of 2020 volume forecasts and related rates effective April 1, 2020, on a final basis if possible and otherwise on an interim basis.</p> <p>Approval by February 13, 2020, of the proposed 2019 balances in FCPP-related deferral and variance accounts, together with associated allocation and disposition methodologies.</p>

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D	2	2		Union Rate Zones General Service Customer Bill Impacts
D	2	3		Union Rate Zones Calculation of 2019 Sales Service and Direct Purchase Bill Impacts
D	2	4		Union Rate Zones FCPP-Related Deferral and Variance Account Balances and Allocation
D	2	5		Union Rate Zones FCPP-Related Deferral and Variance Account Clearance Unit Rates and Ex-Franchise Amounts
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Appendices

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B			A	Enbridge Gas Estimated OBPS Compliance Obligation

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).

APPLICATION – Enbridge Gas's 2020 Federal Carbon Pricing Program Application and pre-filed evidence (EB-2019-0247). An application seeking approval of: (i) just and reasonable rates to recover the costs associated with the GGPPA as a pass-through to customers throughout the EGD rate zone and Union rate zones effective April 1, 2020; and (ii) the 2019 balances, and associated proposed allocation and disposition methodologies, for Enbridge Gas's GGEADA's, FCCFVA's and FCCCVA's.

BOARD – The Ontario Energy Board.

CO₂ – Carbon dioxide.

CO₂e – 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 OBPS and therefore exempt from the Federal Carbon Charge for volumes of fuel delivered by Enbridge Gas (i.e. Fuel Charge under Section 40 of the GGPPA). 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.

CREDITS – Issued by the federal government to facilities that achieve annual emissions volumes below their annual output-based emissions limit. Each credit represents one tonne of CO₂e, 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 (currently under development).

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 obligation 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.¹

DSM – Demand Side Management.

ECCC – Environment and Climate Change Canada.

EGD – Enbridge Gas Distribution.

EMITTER – An entity deemed by the Minister of National Revenue to be eligible to receive an exemption certificate. The entity must be responsible for a covered facility that has been issued a covered facility certificate by the Minister of ECCC.²

ENBRIDGE GAS – Enbridge Gas Inc.

EITE – Energy Intensive and Trade Exposed industrial facilities.

EXEMPTION CERTIFICATE – A certificate issued by the CRA upon an entity's registration under the OBPS, exempting an entity from the application of the Federal Carbon Charge.³

FACILITY CARBON CHARGE – The common volumetric charge proposed by Enbridge Gas, for the EGD rate zone and Union rate zones, to recover the facility costs resulting from the GGPPA 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) transmission and storage compression volumes (which are subject to the OBPS as Enbridge Gas's transmission and storage system is a "covered facility" under Part 2 of the GGPPA).

¹ The GGPPA, s.55.

² The GGPPA, s.57.

³ The GGPPA, s.36.

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.

FCCCVA – Federal Carbon Charge – Customer Variance Account.

FCCFVA – Federal Carbon Charge – Facility 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 did not have an equivalent carbon pricing system in place that meets federal carbon pricing requirements by January 1, 2019.⁴ The FCPP is composed of a charge on fossil fuels and an Output-Based Pricing System.

FEDERAL CARBON CHARGE – As part of the FCPP, a charge applied to fossil fuels imposed on distributors, importers and producers applicable from 2019-2022 and equivalent to \$30/tCO_{2e} in 2020 and increasing by \$10/tCO_{2e} annually each April, reaching \$50/tCO_{2e} in April 2022. This charge applies to volumes delivered by Enbridge Gas to its customers and to Enbridge Gas’s Company Use Volumes (i.e. distribution buildings, boilers/line heaters and NGV fleet volumes).

FTE – Full-Time Equivalents.

GGEADA – Greenhouse Gas Emissions Administration Deferral Account.

GGPPA – The *Greenhouse Gas Pollution Pricing Act*, included as *Part V of the Budget Implementation Act, 2018, No. 1*.⁵

GHG – Greenhouse Gas as set out in the GGPPA.⁶

ktCO_{2e} – Kilo-tonne of carbon dioxide equivalent.

LISTED PROVINCE – A province or territory covered under the GGPPA.⁷

MANDATORY PARTICIPANT – Entities that emit 50 ktCO_{2e} or greater annually, that undertake a primary activity which has an OBS specified and are required to register under the OBPS.

⁴ <https://www.canada.ca/en/environment-climate-change/services/climate-change/pricing-pollution-how-it-will-work.html>

⁵ The GGPPA, <https://laws-lois.justice.gc.ca/eng/acts/G-11.55/>

⁶ The GGPPA, Column 1, Schedule 3.

⁷ The GGPPA, Part 1, Schedule 1.

MARKETABLE NATURAL GAS – Natural gas that consists of at least 90% methane and that meets the specifications for pipeline transport and sale for general distribution to the public, as defined by the GGPPA.⁸

MUSH – Municipalities, universities, school boards and hospitals.

MW – Megawatt.

MWh – Megawatt hour.

NGV – Natural gas vehicle.

NON-MARKETABLE NATURAL GAS – Natural gas other than marketable natural gas, as defined by the GGPPA.⁹

OBPS – Output-based pricing system; a component of the FCPP that provides an entity relief from the full impact of the Federal Carbon Charge. A registered entity will have a compliance obligation based on the portion of its emissions that exceed the annual output-based emissions limit.

OBPS regulations – Output-Based Pricing System Regulations published in Canada Gazette II on June 28, 2019.¹⁰

OBPS VOLUMES - Volumes of natural gas consumed in the operation of Enbridge Gas's transmission and storage compressor facilities (which are subject to the OBPS as Enbridge Gas's transmission and storage system is a "covered facility" under Part 2 of the GGPPA).

OBS – Output-based standard; a percentage of production-weighted national average emissions intensity applied to annual facility production to determine annual facility emission limits under the OBPS.

OEB – The Ontario Energy Board.

OFFSET CREDITS – Represent greenhouse gas 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.¹¹

⁸ The GGPPA, s.3.

⁹ The GGPPA, s.3.

¹⁰ SOR/2019-266 available at <http://www.gazette.gc.ca/rp-pr/p2/2019/2019-07-10/html/sor-dors266-eng.html>

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

Order – The *Greenhouse Gas Emissions Information Production Order* published in Canada Gazette II on October 31, 2018.¹²

PDCI – Parkway Delivery Commitment Incentive.

Regulatory Proposal – ECCC Regulatory Proposal for the Output-Based Pricing System Regulations under the *Greenhouse Gas Pollution Pricing Act*, released on December 20, 2018.¹³

tCO_{2e} – Metric tonne of carbon dioxide equivalent. The unit of measure of GHG emissions. A quantity of GHG, expressed in tonnes, is converted into tCO_{2e} by multiplying the quantity by the global warming potential.¹⁴

UNION – Union Gas.

VOLUNTARY PARTICIPANT – Entities that emit between 10 ktCO_{2e} and 50 ktCO_{2e} and undertake a primary activity which has an OBS specified may voluntarily register to be part of the OBPS at any point under the FCPP.

¹² SOR/2018-214 available at <http://gazette.gc.ca/rp-pr/p2/2018/2018-10-31/html/sor-dors214-eng.html>, as amended on December 20, 2018 by SOR/2018-277 available at <http://gazette.gc.ca/rp-pr/p2/2018/2018-12-20-x2/html/sor-dors277-eng.html>

¹³ Available at <https://www.canada.ca/content/dam/eccc/documents/pdf/climate-change/pricing-pollution/obps-regulatory-proposal-en.pdf>

¹⁴ The GGPPA, Column 2, Schedule 3.

1 **FORECASTS - OVERVIEW**

2 The purpose of this exhibit of evidence is to provide Enbridge Gas's forecast of volumes
3 and the associated forecasted costs of complying with the GGPPA for each of the EGD
4 rate zone and Union rate zones.¹

5
6 This exhibit of evidence is organized as follows:

- 7 • Tab 1: Forecasts - EGD Rate Zone
8 • Tab 2: Forecasts - Union Rate Zones
9

10 **FORECAST PERIOD**

11 In this Application, Enbridge Gas has forecast volumes and associated costs in
12 alignment with the annual effective date of changes to the Federal Carbon Charge and
13 the OBPS:

- 14 1. For volumes subject to the Federal Carbon Charge (including customer-related
15 and facility-related volumes) – April 1, 2020 to March 31, 2021; and
16 2. For volumes subject to the OBPS (facility-related volumes) – January 1, 2020 to
17 December 31, 2020.
18

19 As set out at Exhibit A, natural gas volumes delivered by Enbridge Gas for the period of
20 January 1, 2020 to March 31, 2020 will continue to be charged the Federal Carbon

¹ Forecast administration costs of complying with the GGPPA are detailed at Exhibit C.

Charge and Facility Carbon Charge rates approved by the OEB in the 2019 Application.

FORECAST 2020 VOLUME AND CARBON COST

Enbridge Gas's total 2020 regulated volume forecast subject to the GGPPA is 17,644,228 10^3m^3 .² This results in an associated forecast total 2020 cost of \$1,030.3 million. The details of this volume forecast and associated cost are included at Exhibit B, Tab 1 for the EGD rate zone and at Exhibit B, Tab 2 for the Union rate zones.

FORECAST 2020 CUSTOMER VOLUME AND FEDERAL CARBON CHARGE COST

Enbridge Gas's total 2020 Customer Volume forecast subject to the Federal Carbon Charge is 17,480,521 10^3m^3 for the period of April 1, 2020 to March 31, 2021.³ This results in an associated forecast 2020 Federal Carbon Charge cost of \$1,026.1 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.

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,⁴ and OBPS-qualified customer volumes with emissions

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

³ Calculated as: Exhibit B, Tab 1, Schedule 1, Col. 3, Line 13 + Exhibit B, Tab 2, Schedule 1, Col. 3, Line 16.

⁴ 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

1 exceeding 10 ktCO₂e.⁵ Enbridge Gas also excluded volumes delivered to downstream
2 distributors, including those distributors that are out of province, which are also exempt
3 from Part 1 of the GGPPA. Further, Enbridge Gas excluded 80% of the volumes
4 delivered to commercial greenhouse operators.⁶

5
6 Enbridge Gas notes that customers exempt from Part 1 of the GGPPA who have
7 provided Enbridge Gas their exemption certificate, which is issued to the customer upon
8 registration with the CRA, will continue to be exempted unless they otherwise notify
9 Enbridge Gas that they are no longer eligible for exemption. Enbridge Gas will also
10 exempt any additional customers who receive an exemption form from the CRA in the
11 future. For those customers covered under the OBPS or undertaking non-covered
12 activities, Enbridge Gas will exempt the customer on the date provided by the CRA on
13 the customer's CRA-issued registration confirmation letter. For customers operating
14 commercial greenhouses, exemption will begin the first day of the calendar month
15 following the month in which they provide Enbridge Gas with their exemption certificate.

16
17 The exemption certificate indicates that a customer is fully or partially exempt from
18 paying the Federal Carbon Charge on their natural gas combustion fuel delivered by

another fuel or another 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.

⁵ The 2020 Customer Volume forecast excludes customer volumes from mandatory and voluntary participants under the GGPPA that have registered under the OBPS in 2019.

⁶ 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.

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.

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 has been provided. 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.

FORECAST 2020 FACILITY VOLUME AND FACILITY CARBON CHARGE COST

Enbridge Gas's total 2020 regulated Facility Volume forecast is 163,707 10³m³.⁷ This results in an associated forecast 2020 Facility Carbon Charge cost of \$4.2 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

⁷ Calculated as: Exhibit B, Tab 1, Schedule 2, Line 6 + Exhibit B, Tab 2, Schedule 2, Col. 1, Line 6.

1 Carbon Charge under Part 1 of the GGPPA) for the period of April 1, 2020 to March 31,
2 2021; and, (ii) transmission and storage compression volumes (which are subject to the
3 OBPS as Enbridge Gas's transmission and storage system is a "covered facility" under
4 Part 2 of the GGPPA) for the period of January 1, 2020 to December 31, 2020. The
5 parameters underpinning Enbridge Gas's estimated OBPS Compliance Obligation can
6 be found at Exhibit B, Appendix A. The forecast 2020 Facility Volume and associated
7 Facility Carbon Charge cost estimate are subject to change based on actual Facility
8 Volumes.

ENBRIDGE GAS ESTIMATED OBPS COMPLIANCE OBLIGATION

On October 31, 2018 the *Greenhouse Gas Emissions Information Production Order* (the “Order”) was published in Canada Gazette II.¹ On December 20, 2018, ECCC released the Regulatory Proposal for the Output-Based Pricing System Regulations under the *Greenhouse Gas Pollution Pricing Act* (the “Regulatory Proposal”).² On June 28, 2019, the Output-Based Pricing System Regulations (the “OBPS regulations”) were published in Canada Gazette II.³ Based on OBPS regulations, the annual compliance obligation under OBPS is calculated as follows:

Compliance Obligation (tCO₂e) =

Annual Facility Emissions – Annual Facility Emissions Limit

Where:

Annual Facility Emissions (tCO₂e) =

Total Annual Facility Emissions⁴ (Gas Transmission pipeline system)

Annual Facility Emissions Limit (tCO₂e) =

¹ SOR/2018-214 available at <http://gazette.gc.ca/rp-pr/p2/2018/2018-10-31/html/sor-dors214-eng.html>, as amended on December 20, 2018 by SOR/2018-277 available at <http://gazette.gc.ca/rp-pr/p2/2018/2018-12-20-x2/html/sor-dors277-eng.html>

² Available at <https://www.canada.ca/content/dam/eccc/documents/pdf/climate-change/pricing-pollution/obps-regulatory-proposal-en.pdf>

³ SOR/2019-266 available at <http://www.gazette.gc.ca/rp-pr/p2/2019/2019-07-10/html/sor-dors266-eng.html>

⁴ Excluding emissions covered by ECCC’s Regulations Respecting Reduction in the Release of Methane and Certain Volatile Organic Compounds (Upstream Oil and Gas Sector).

1 *OBS (tCO₂e/production units) × Annual Production (production units)*

2 For forecasting purposes, the annual facility emissions limit was calculated by using
3 ECCC's Output Based Standard ("OBS") for the natural gas transmission sector of
4 0.393 tCO₂e/MWh.⁵ This benchmark was developed by ECCC based on data provided
5 by companies in the natural gas pipeline sector and represents 80% of the production-
6 weighted average of that data.

7
8 Forecast annual production is forecast compressor energy use based on the following
9 formula:

10 ***Energy (MWh)*⁶ =**

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

12
13 *Where:*

14 ***Load (%) =***

15 *The % load of the engine*

16 *-or-*

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

18

⁵As shown in Item 5 in Schedule 1 of the Output-Based Pricing System Regulations. The value of the OBS was updated in the Final Regulation. The value stated in the Regulatory Proposal was 0.419 tCO₂e/MWh.

⁶ Amount of work required by a compressor to transport gas.

1 To forecast the annual production value for 2020, Enbridge Gas has calculated the
2 compressor energy use in MWh for 2016 to 2018 and used an average of this data.
3 Enbridge Gas's detailed calculations of the 2020 forecast emissions, facility emissions
4 limit, OBPS compliance obligation and OBPS facility carbon cost for each of the EGD
5 rate zone and Union rate zones can be found at Exhibit B, Tab 1, Schedules 3-5 and at
6 Exhibit B, Tab 2, Schedules 3-5.

FORECASTS - EGD RATE ZONE

The purpose of this tab of evidence is to provide Enbridge Gas's 2020 forecast of volumes and the associated forecasted costs of complying with the GGPPA, for the EGD rate zone.

This tab of evidence is organized as follows:

1. Forecast 2020 Volume and Carbon Cost
2. Forecast 2020 Customer Volumes and Federal Carbon Charge Cost
3. Forecast 2020 Facility Volumes and Facility Carbon Charge Cost
 - 3.1. Company Use Volumes
 - 3.2. OBPS Volumes

1. FORECAST 2020 VOLUME AND CARBON COST

The EGD rate zone 2020 regulated volume forecast subject to the GGPPA is 10,639,221 10^3m^3 .¹ This results in an associated forecast total 2020 cost of \$624.0 million. The details of this volume forecast and associated cost are included at Exhibit B, Tab 1, Schedules 1-5. The forecast employs the same methodologies which underpinned forecasts previously approved by the OEB.

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

1 **2. FORECAST 2020 CUSTOMER VOLUMES AND FEDERAL CARBON CHARGE COST**

2 The EGD rate zone total 2020 Customer Volume forecast subject to the Federal Carbon
3 Charge is 10,616,577 10³m³ as detailed at Exhibit B, Tab 1, Schedule 1. This results in
4 an associated forecast 2020 Federal Carbon Charge cost of \$623.2 million as detailed
5 at Exhibit B, Tab 1, Schedule 5. Enbridge Gas has included forecast distribution
6 volumes subject to the Federal Carbon Charge for all rate classes within the EGD rate
7 zone as detailed at Exhibit B, Tab 1, Schedule 1. The cost estimates are subject to
8 change and are meant to be used for informational purposes only. Customers will be
9 charged the Federal Carbon Charge monthly based on actual billed volumes.

10
11 **3. FORECAST 2020 FACILITY VOLUMES AND FACILITY CARBON CHARGE COST**

12 The EGD rate zone 2020 regulated Facility Volume forecast is 22,644 10³m³ as detailed
13 at Exhibit B, Tab 1, Schedule 2. This results in an associated forecast 2020 Facility
14 Carbon Charge cost of \$0.772 million as detailed at Exhibit B, Tab 1, Schedule 5.
15 Facility Volumes are composed of: (i) Company Use Volumes including distribution
16 buildings, boilers/line heaters, and NGV fleet volumes (which are subject to the Federal
17 Carbon Charge under Part 1 of the GGPPA); and, (ii) OBPS Volumes which includes
18 compressor fuel (which is subject to the OBPS as Enbridge Gas's storage and
19 transmission system is a "covered facility" under Part 2 of the GGPPA). The forecast
20 2020 regulated Facility Volume and associated forecast Facility Carbon Charge cost

estimate 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

The Company Use Volume forecast for 2020 including distribution buildings, boilers/line heaters and NGV fleet volumes for the EGD rate zone is 6,400 10³m³ as detailed at Exhibit B, Tab 1, Schedule 2. This results in an associated forecast 2020 Facility Carbon Charge cost of \$0.4 million as detailed at Exhibit B, Tab 1, Schedule 5.

3.2. OBPS VOLUMES

The OBPS Volume forecast for 2020 for the EGD rate zone is 16,244 10³m³ as detailed at Exhibit B, Tab 1, Schedule 2. The subsequent forecast 2020 OBPS Obligation of 13,218 tCO₂e results in a Facility Carbon Charge cost of \$0.4 million as detailed at Exhibit B, Tab 1, Schedule 4 and 5.

Enbridge Gas's detailed calculations of the 2020 forecast compressor emissions, facility emissions limit, OBPS compliance obligation and compressor fuel use cost for the EGD rate zone can be found at Exhibit B, Tab 1, Schedules 3-5.

Enbridge Gas Inc.
EGD Rate Zone

Page 1 of 1

2020 Customer-Related Volumes by Rate Class (April 2020 to March 2021)
(10³m³)

Line No.	Rate Class	Col. 1	Col. 2	Col. 3 (Col. 1 - Col. 2)
		Forecast Volumes ¹	OBPS Participant & Other Exempt Volumes ²	Net Volumes
1	1	4,939,740	317	4,939,423
2	6	4,838,009	166,999	4,671,010
3	9	-	-	-
4	100	17,051	-	17,051
5	110	887,340	248,570	638,770
6	115	447,759	377,263	70,496
7	125 ³	561,616	561,616	-
8	135	62,796	-	62,796
9	145	40,579	5,266	35,313
10	170	272,020	90,302	181,718
11	200 ⁴	195,045	195,045	-
12	300	-	-	-
Total				
13	Customer-Related	12,261,955	1,645,378	10,616,577

Notes:

- (1) Forecast Volumes after Demand Side Management ("DSM") from April 1, 2020 to March 31, 2021.
- (2) Estimated forecast volumes for mandatory and voluntary participants in the Output Based Pricing System (OBPS), volumes qualifying for exemption for non-covered activities and partial relief (80%) for greenhouse operators.
- (3) Dedicated unbundled customers.
- (4) Includes volumes delivered to downstream distributors and landfill gas.

Enbridge Gas Inc.
EGD Rate Zone
2020 Facility-Related Volumes
(10³m³)

Line No.	Particulars	Forecast Amount
1	Company Use - Buildings	1,402
2	Company Use - Boilers/Line Heaters	3,934
3	Company Use - NGV Fleet	1,064
4	Total Company Use ¹	6,400
5	Compressor Fuel ²	16,244
6	<u>Total Facility-Related</u>	<u>22,644</u>

Notes:

- (1) Forecast Company-Use volumes for April 1, 2020 to March 31, 2021.
(2) Forecast Compressor Fuel for January 1, 2020 to December 31, 2020.

Enbridge Gas Inc.
EGD Rate Zone

Table 1
2020 Forecast Compressor Emissions

		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5
Line No.	Particulars	Volumes ¹ (10 ³ m ³)	CO ₂ Emissions ² (Tonnes CO ₂)	CH ₄ Emissions ³ (Tonnes CH ₄)	N ₂ O Emissions ⁴ (Tonnes N ₂ O)	CO ₂ e Emissions ⁵ (Tonnes CO ₂ e)
1	Compressor Fuel & Transmission Ancillary	16,244	31,335	31	1	32,360

Notes:

- (1) Exhibit B, Tab 1, Schedule 2, Line 5.
(2) ECCC "Canada's Greenhouse Gas Quantification Requirements -December 2017", Equation 2-11.
(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

			Col. 1	Col. 2	Col. 3
Line No.	Particulars	Units	CO ₂ Emission Factor	CH ₄ Emission Factor ⁶	N ₂ O Emission Factor ⁶
1	Natural Gas Pipelines	Tonne/GJ		0.00005	0.0000013
2	Heat Value ⁷	GJ/10 ³ m ³	38.53	38.53	38.53

Notes:

- (6) ECCC "Canada's Greenhouse Gas Quantification Requirements -December 2017", Table 2-4.
(7) Assumed Energy Content from Enbridge Gas Inc. "Handbook of Rates and Distribution Services - EGD Rate Zone", p. 11.

Table 3
Conversion Factors

			Col. 1	Col. 2
Line No.	Particulars	Units	Methane ⁸	Nitrous Oxide ⁸
1	Global Warming Potential for Carbon Dioxide Equivalent	Tonnes CO ₂ e	25	298

Notes:

- (8) ECCC "Greenhouse Gas Pollution Pricing Act, Schedule 3".

Enbridge Gas Inc.
EGD Rate Zone
2020 Forecast OBPS Obligation

	Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6
Line No.	2020 Forecast Compressor Emissions ¹ (tCO ₂ e)	2016 - 2018 EGD Average Emission Intensity (tCO ₂ e/MWh)	2020 Forecast Production ² (MWh)	2019 Sector Emission Intensity Target ³ (tCO ₂ e/MWh)	Facility Emissions Limit ⁴ (tCO ₂ e)	OBPS Compliance Obligation ⁵ (tCO ₂ e)
1	32,360	0.664	48,709	0.393	19,143	13,218

Notes:

(1) Exhibit B, Tab 1, Schedule 3, Table 1, Col. 5.

(2) Col. 1 / Col. 2.

(3) Based on value in the Output-Based Pricing System Regulations: SOR/2019-266 under the Greenhouse Gas Pollution Pricing Act.

(4) Col. 3 x Col. 4.

(5) Col. 1 - Col. 5.

Enbridge Gas Inc.
EGD Rate Zone

2020 Summary of Customer-Related and Facility-Related Costs

Line No.	Particulars	2020 Forecast
	<u>Customer-Related Cost Forecast</u>	
1	Customer-related Forecast Volume (10^3m^3) ⁽¹⁾	10,616,577
2	Federal Carbon Charge (\$/m ³) ⁽²⁾	0.0587
3	Total Customer-Related Costs (\$)	623,193,070
	<u>Facility-Related Cost Forecast</u>	
4	Company-Use Forecast Volume (10^3m^3) ⁽³⁾	6,400
5	Federal Carbon Charge (\$/m ³) ⁽²⁾	0.0587
6	Company Use Costs (\$)	375,680
7	OBPS Obligation (tCO ₂ e) ⁽⁴⁾	13,218
8	Federal Excess Emissions Charge (\$/tCO ₂ e) ⁽²⁾	30.00
9	Compressor Fuel Use Costs (\$)	396,540
10	Total Facility Related Costs (\$)	772,220
11	Total Cost Forecast (\$)	623,965,290

Notes:

(1) Exhibit B, Tab 1, Schedule 1. Forecast volumes from April 1, 2020 to March 31, 2021.

(2) Exhibit A, Table A-1.

(3) Exhibit B, Tab 1, Schedule 2, Line 4. Forecast volumes from April 1, 2020 to March 31, 2021.

(4) Exhibit B, Tab 1, Schedule 4, Col. 6, Line 1. Forecast from January 1, 2020 to December 31, 2020.

FORECASTS - UNION RATE ZONES

The purpose of this tab of evidence is to provide Enbridge Gas's 2020 forecast of volumes and the associated forecasted costs of complying with the GGPPA, for the Union rate zones.

This tab of evidence is organized as follows:

1. Forecast 2020 Volume and Carbon Cost
2. Forecast 2020 Customer Volumes and Federal Carbon Charge Cost
3. Forecast 2020 Facility Volumes and Facility Carbon Charge Cost
 - 3.1. Company Use Volumes
 - 3.2. OBPS Volumes

1. FORECAST 2020 VOLUME AND CARBON COST

The Union rate zones 2020 regulated volume forecast subject to the GGPPA is 7,005,007 10^3m^3 .¹ This results in an associated forecast total 2020 cost of \$406.4 million. The details of this volume forecast and associated cost are included at Exhibit B, Tab 2, Schedules 1 - 5. The forecast employs the same methodologies which underpinned forecasts previously approved by the OEB. Enbridge Gas has excluded

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

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 2020 CUSTOMER VOLUMES AND FEDERAL CARBON CHARGE COST

The Union rate zones total 2020 Customer Volume forecast subject to the Federal Carbon Charge is 6,863,944 10^3m^3 as detailed at Exhibit B, Tab 2, Schedule 1. This results in an associated forecast 2020 Federal Carbon Charge cost of \$402.9 million as detailed at Exhibit B, Tab 2, Schedule 5. Enbridge Gas has included forecast distribution volumes subject to the Federal Carbon Charge for all rate classes within the Union rate zones as detailed at Exhibit B, Tab 2, Schedule 1. 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 2020 FACILITY VOLUMES AND FACILITY CARBON CHARGE COST

The Union rate zones total 2020 regulated Facility Volume forecast is 141,063 10^3m^3 as detailed at Exhibit B, Tab 2, Schedule 2. This results in an associated forecast 2020 Facility Carbon Charge cost of \$3.469 million as detailed at Exhibit B, Tab 2, Schedule 5. 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) OBPS Volumes which includes

compressor fuel (which is subject to the OBPS as Enbridge Gas's storage and transmission system is a "covered facility" under Part 2 of the GGPPA). The forecast 2020 regulated Facility Volume and associated forecast Facility Carbon Charge cost estimate 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

The Company Use Volume forecast for 2020 including distribution buildings, boilers/line heaters and NGV fleet volumes for the Union rate zones is 10,574 10^3m^3 as detailed at Exhibit B, Tab 2, Schedule 2.² This results in an associated forecast 2020 Facility Carbon Charge cost of \$0.6 million as detailed at Exhibit B, Tab 2, Schedule 5.³

3.2. OBPS VOLUMES

The OBPS Volume forecast for 2020 for the Union rate zones is 147,069 10^3m^3 as detailed at Exhibit B, Tab 2, Schedule 2.⁴ The subsequent forecast 2020 OBPS obligation of 107,007 tCO_{2e} results in a Facility Carbon Charge cost of \$3.2 million as detailed at Exhibit B, Tab 2, Schedules 4 and 5. Of the \$3.2 million, \$2.8 million is attributable to Enbridge Gas's regulated operations in the Union rate zones.

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

³ Included in the Company Use Volume forecast for 2020 is 17 10^3m^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 less than \$1,000.

⁴ This includes both utility and non-utility volumes.

1

2 The OBPS Volume forecast is derived by combining forecasts for regulated utility and
3 unregulated non-utility compression activity into an overall physical activity forecast.

4 Enbridge Gas has excluded unregulated non-utility compression volumes and
5 associated costs in deriving the Facility Carbon Charge cost to be recovered in
6 regulated rates. The OBPS Volume forecast for the Union rate zones includes
7 transmission compression, storage compression and dehydration fuel.⁵

8

9 Enbridge Gas's detailed calculations of the 2020 forecast compressor emissions, facility
10 emissions limit, OBPS compliance obligation and compressor fuel use cost for the
11 Union rate zones can be found at Exhibit B, Tab 2, Schedule 3-5.

⁵ 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 Zones
2020 Customer-Related Volumes by Rate Class (April 2020 to March 2021)
(10³m³)

Page 1 of 1

Line No.	Rate Class	Col. 1	Col. 2	Col. 3 (Col. 1 - Col. 2)
		Forecast Volumes ¹	OBPS Participant & Other Exempt Volumes ²	Net Volumes
1	1	1,008,455	210	1,008,245
2	10	360,991	11,985	349,006
3	M1	3,107,706	2,163	3,105,543
4	M2	1,317,238	93,012	1,224,226
5	20	699,920	522,792	177,128
6	25	40,491	28,831	11,660
7	100	1,076,404	1,076,404	-
8	M4	665,966	313,952	352,014
9	M5	72,092	28,162	43,930
10	M7	513,052	330,323	182,729
11	M9 ³	79,729	79,729	-
12	M10 ³	1,247	1,247	-
13	T1	444,688	200,633	244,055
14	T2	3,995,387	3,829,979	165,408
15	T3 ³	278,781	278,781	-
Total				
16	Customer-Related	13,662,147	6,798,203	6,863,944

Notes:

- (1) Forecast Volumes after DSM from April 1, 2020 to March 31, 2021.
- (2) Estimated forecast volumes for mandatory and voluntary participants in the Output Based Pricing System (OBPS), volumes qualifying for exemption for non-covered activities and partial relief (80%) for greenhouse operators.
- (3) Includes volumes delivered to downstream distributors and landfill gas.

Enbridge Gas Inc.
Union Rate Zones
2020 Facility-Related Volumes
(10³ m³)

Line No.	Particulars	Col. 1	Col. 2	Col.3 (Col. 1 + Col.2)
		Utility Forecast Amount (regulated)	Non-Utility Forecast Amount (unregulated)	Total Forecast Amount
1	Company Use - Buildings	1,550	17	1,567
2	Company Use - Boilers/Line Heaters	9,024	-	9,024
3	Company Use - NGV Fleet	-	-	-
4	Total Company Use ¹	10,574	17	10,591
5	Compressor Fuel ²	130,489	16,580	147,069
6	Total Facility-Related	141,063	16,597	157,660

Notes:

(1) Forecast Company-Use volumes for April 1, 2020 to March 31, 2021.

(2) Forecast Compressor Fuel for January 1, 2020 to December 31, 2020.

Enbridge Gas Inc.
Union Rate Zones

Table 1
2020 Forecast Compressor Emissions

		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5
Line No.	Particulars	Volumes ¹ (10 ³ m ³)	CO ₂ Emissions ² (Tonnes CO ₂)	CH ₄ Emissions ³ (Tonnes CH ₄)	N ₂ O Emissions ⁴ (Tonnes N ₂ O)	CO ₂ e Emissions ⁵ (Tonnes CO ₂ e)
1	Compressor Fuel & Transmission Ancillary	147,069	287,703	287	7	297,090

Notes:

- (1) Exhibit B, Tab 2, Schedule 2, Col. 3, Line 5.
(2) ECCC "Canada's Greenhouse Gas Quantification Requirements -December 2017", Equation 2-11.
(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

			Col. 1	Col. 2	Col. 3
Line No.	Particulars	Units	CO ₂ Emission Factor	CH ₄ Emission Factor ⁶	N ₂ O Emission Factor ⁶
1	Natural Gas Pipelines	Tonne/GJ		0.00005	0.0000013
2	Heat Value ⁷	GJ/10 ³ m ³	38.98	38.98	38.98

Notes:

- (6) ECCC "Canada's Greenhouse Gas Quantification Requirements -December 2017", Table 2-4.
(7) Assumed Budget Heat Value = 38.98 GJ/10³m³. In calculating actual emissions, actual heating value will be used.

Table 3
Conversion Factors

			Col. 1	Col. 2
Line No.	Particulars	Units	Methane ⁸	Nitrous Oxide ⁸
1	Global Warming Potential for Carbon Dioxide Equivalent	Tonnes CO ₂ e	25	298

Notes:

- (8) ECCC "Greenhouse Gas Pollution Pricing Act, Schedule 3".

Enbridge Gas Inc.
Union Rate Zones
2020 Forecast OBPS Obligation

	Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6
Line No.	2020 Forecast Compressor Emissions ¹ (tCO ₂ e)	2016 - 2018 EGD Average Emission Intensity (tCO ₂ e/MWh)	2020 Forecast Production ² (MWh)	2019 Sector Emission Intensity Target ³ (tCO ₂ e/MWh)	Facility Emissions Limit ⁴ (tCO ₂ e)	OBPS Compliance Obligation ⁵ (tCO ₂ e)
1	297,090	0.614	483,674	0.393	190,084	107,007

Notes:

(1) Exhibit B, Tab 2, Schedule 3, Table 1, Col. 5.

(2) Col. 1 / Col. 2.

(3) Based on value in the Output-Based Pricing System Regulations: SOR/2019-266 under the Greenhouse Gas Pollution Pricing Act.

(4) Col. 3 x Col. 4.

(5) Col. 1 - Col. 5.

Enbridge Gas Inc.
Union Rate Zones

2020 Summary of Customer-Related and Facility-Related Costs

Line No.	Particulars	2020 Forecast
	<u>Customer-Related Cost Forecast</u>	
1	Customer-related Forecast Volume (10^3m^3) ⁽¹⁾	6,863,944
2	Federal Carbon Charge (\$/m ³) ⁽²⁾	0.0587
3	Total Customer-Related Costs (\$)	402,913,513
	<u>Facility-Related Cost Forecast</u>	
4	Company-Use Forecast Volume (10^3m^3) ⁽³⁾	10,574
5	Federal Carbon Charge (\$/m ³) ⁽²⁾	0.0587
6	Company Use Costs (\$)	620,694
7	OBPS Obligation (tCO ₂ e) ⁽⁴⁾	107,007
8	Federal Excess Emissions Charge (\$/tCO ₂ e) ⁽²⁾	30.00
9	Compressor Fuel Use Costs (\$)	3,210,210
10	Compressor Fuel Use Costs - Unregulated (\$) ⁽⁵⁾	(361,897)
11	Compressor Fuel Use Costs - Regulated (\$)	2,848,313
	Total Facility Related Costs (\$)	3,469,007
12	Total Cost Forecast (\$)	406,382,520

Notes:

- (1) Exhibit B, Tab 2, Schedule 1. Forecast volumes from April 1, 2020 to March 31, 2021.
- (2) Exhibit A, Table A-1.
- (3) Exhibit B, Tab 2, Schedule 2, Col. 1, Line 4. Forecast volumes from April 1, 2020 to March 31, 2021.
- (4) Exhibit B, Tab 2, Schedule 4, Col. 6, Line 1. Forecast from January 1, 2020 to December 31, 2020.
- (5) Unregulated OBPS costs are allocated based on pro-rata regulated/unregulated total compressor volumes per Exhibit B, Tab 2, Schedule 2.

DEFERRAL AND VARIANCE ACCOUNTS

The purpose of this exhibit of evidence is to address deferral and variance account matters associated with Enbridge Gas's Application. Enbridge Gas is seeking OEB approval to dispose of the 2019 balances recorded in its FCPP-related deferral and variance accounts to December 31, 2019. Accordingly, this exhibit of evidence includes explanation of the actual FCPP-related costs incurred by Enbridge Gas in 2019 (January to September) as well as forecasted FCPP-related costs for 2019 (October to December). This exhibit of evidence also includes a forecast of 2020 administration costs for informational purposes.

Enbridge Gas will seek disposition of any variance to forecast of final FCPP-related costs for 2019 (October to December) as well as any variance to forecast for 2020 through a future application to the OEB. Allocation and disposition of 2019 deferral and variance account balances is discussed in further detail at Exhibit D.

This exhibit of evidence is organized as follows:

1. Established FCPP-Related Deferral and Variance Accounts
2. 2019 FCPP-Related Deferral and Variance Account Balances
 - 2.1. 2019 Administration Costs Recorded in the GGEADA
 - 2.2. 2019 Customer-Related Costs Recorded in the FCCCVA
 - 2.3. 2019 Facility-Related Costs Recorded in the FCCFVA
3. Forecast 2020 Administration Costs

1
2 **1. ESTABLISHED FCPP-RELATED DEFERRAL AND VARIANCE ACCOUNTS**

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

15
16 In its Decision and Order on Enbridge Gas's 2019 Application, the OEB approved the
17 establishment of Enbridge Gas's requested new FCPP-related deferral and variance
18 accounts with a single exception; rather than approving a single deferral account to
19 record the combined administration costs for all rate zones, the OEB directed that

¹ EB-2018-0205, Exhibit D, pp. 2-4.

Enbridge Gas should establish two Greenhouse Gas Emissions Administration Deferral Accounts, one for each of the EGD rate zone and the Union rate zones.²

Accordingly, Enbridge Gas established the following FCPP-related deferral and variance accounts:

1. Greenhouse Gas Emissions Administration Deferral Account ("GGEADA") – EGD Rate Zone Account No. 179-501

- To record the administration costs associated with the impacts of federal regulations related to greenhouse gas emission requirements for Enbridge Gas within the EGD rate zone effective January 1, 2019.

2. Greenhouse Gas Emissions Administration Deferral Account ("GGEADA") – Union Rate Zones Account No. 179-422

- To record the administration costs associated with the impacts of federal regulations related to greenhouse gas emission requirements for Enbridge Gas within the Union rate zones effective January 1, 2019.

3. Federal Carbon Charge – Customer Variance Account ("FCCCVA") – 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, 2019.³

² EB-2018-0205, Decision and Order, July 4, 2019, pp. 9-10.

1 4. Federal Carbon Charge – Customer Variance Account (FCCCVA) – Union Rate

2 Zones Account No. 179-421

- 3 • To record the variances between actual customer carbon costs and customer
4 carbon costs recovered in rates for distribution volumes delivered by Enbridge
5 Gas within the Union rate zones effective April 1, 2019.⁴

6 5. Federal Carbon Charge – Facility Variance Account (“FCCFVA”) – EGD Rate

7 Zone Account No. 179-503

- 8 • To record the variance between actual facility carbon costs and facility carbon
9 costs recovered in rates within the EGD rate zone effective January 1, 2019.

10 6. Federal Carbon Charge – Facility Variance Account (FCCFVA) – Union Rate

11 Zones Account No. 179-420

- 12 • To record the variance between actual facility carbon costs and facility carbon
13 costs recovered in rates within the Union rate zones effective January 1, 2019.

14
15 2. **2019 FCPP-RELATED DEFERRAL AND VARIANCE ACCOUNT BALANCES**

16 Enbridge Gas is seeking to dispose of: 2019 administration costs of \$2.0 million in the
17 GGEADA (\$1.4 million actual from January to September 2019 and \$0.6 million forecast
18 from October to December 2019); 2019 customer-related costs of \$144.5 million in the
19 FCCCVA (\$144.5 million actual from April to July 2019); and 2019 facility-related costs

³ Except for exempted customers as explained in Exhibit A.

⁴ Except for exempted customers as explained in Exhibit A.

of \$0.6 million in the FCCFVA (\$0.4 million actual from January to September 2019 and \$0.2 million forecast from October to December 2019).

3.1. 2019 ADMINISTRATION COSTS RECORDED IN THE GGEADA

As set out in Table C-1, Enbridge Gas's 2019 administration costs are \$2.0 million: \$1.4 million incurred from January to September; and \$0.6 million on a forecast basis from October to December. Enbridge Gas has recorded these costs in the GGEADAs and is seeking OEB approval to clear these balances as part of this Application as set out at Exhibit D. A description of variances to Enbridge Gas's forecast 2019 administration costs consistent with its 2019 Application follows.

Table C-1
Enbridge Gas 2019 Administration Costs

Cost Element	2019 Forecasted Costs ⁵ (\$millions)	2019 Costs ⁶ (\$millions)			Variance (\$millions)
		EGD Rate Zone	Union Rate Zones	Total	
IT Billing System	0.6	0.3	0.2	0.5	(0.1)
Staffing Resources	1.2	0.4	0.4	0.8	(0.4)
Consulting & External Legal Support	0.2	0.0	0.0	0.1	(0.1)
GHG Reporting & Verification	0.1	0.0	0.0	0.1	0.0
Bad Debt	0.8	0.2	0.2	0.4	(0.4)
Other Miscellaneous Costs	0.2	0.1	0.0	0.1	(0.1)
Total	3.1	1.0	0.8	2.0	(1.1)

⁵ EB-2018-0205, Exhibit C, Table 1, p. 2.

⁶ Composed of actual 2019 costs from January to September 2019 and a forecast of costs for October to December 2019. Interest expenses of approximately \$30,000 are not included as a separate line item in Table C-1 as they round to zero but are included in total 2019 administration costs and GGEADA balances.

1 IT BILLING SYSTEM COSTS

2 In its 2019 Application, Enbridge Gas forecast costs of \$0.6 million related to the IT
3 billing systems, which included \$0.4 million revenue requirement associated with
4 Cap-and-Trade related billing system changes that were re-purposed to collect
5 GGPPA-related charges, and \$0.2 million related to additional billing system
6 modifications in 2019 required to collect GGPPA-related charges.⁷ This was based
7 on a forecast of \$0.2 million in O&M costs for the EGD rate zone and \$0.1 million in
8 capital costs for the Union rate zones.

9
10 Enbridge Gas incurred costs of \$0.5 million related to the IT billing system in 2019,
11 including: \$0.4 million of revenue requirement associated with Cap-and-Trade related
12 billing system functionality costs that were re-purposed to collect GGPPA-related
13 charges; and \$0.1 million incurred in 2019 for additional billing system modifications
14 required for the EGD rate zone.

15
16 Billing system modifications related to the Union billing system previously expected to
17 be incurred in 2019 are now expected to be incurred in 2020; the costs of these
18 modifications (\$0.1 million) have been included in the 2020 administrative cost
19 forecast summarized in Table C-3.

20

⁷ EB-2018-0205, Exhibit C, pp. 2-3.

1 STAFFING RESOURCES

2 In its 2019 Application, Enbridge Gas forecast costs of \$1.2 million for salaries and
3 wages in 2019, which included costs for six full time equivalents (“FTEs”) required to
4 implement the FCPP.⁸

5
6 Actual salaries and wages costs incurred from January 2019 to September 2019 was
7 \$0.7 million. Enbridge Gas forecasts to incur incremental costs of \$0.1 million from
8 October to December 2019. Accordingly, Enbridge Gas has recorded \$0.8 million for
9 2019 salaries and wages costs in the GGEADAs, which has been allocated equally
10 between the EGD rate zone and Union rate zones, as set out in Table C-1. Following
11 FCPP implementation, FTE requirements to comply with the GGPPA were reduced
12 from six to four FTEs, effective May 2019, to reflect resource requirements for ongoing
13 program sustainment.

14
15 CONSULTING AND EXTERNAL LEGAL SUPPORT

16 In its 2019 Application, Enbridge Gas forecast consulting and external legal support
17 costs of \$0.2 million for 2019.⁹

18
19 Actual consulting and external legal support costs incurred from January 2019 to
20 September 2019 was \$24,000. Enbridge Gas forecasts to incur incremental costs of

⁸ EB-2018-0205, Exhibit C, p.3.

⁹ EB-2018-0205, Exhibit C, p. 4.

1 \$52,000 from October to December 2019. Accordingly, Enbridge Gas has recorded
2 \$0.1 million for 2019 consulting and external legal support costs in the GGEADAs,
3 which has been allocated equally between the EGD rate zone and Union rate zones, as
4 set out in Table C-1. Consulting and external legal support costs were lower than
5 forecast due to Enbridge Gas leveraging existing internal resources and generally
6 requiring less external support for the implementation of the FCPP than originally
7 anticipated.

8 GHG REPORTING AND VERIFICATION

9 In its 2019 Application, Enbridge Gas forecast costs of \$0.1 million for GHG reporting
10 and verification in 2019.¹⁰

11
12 Enbridge Gas leveraged existing internal resources to complete annual GHG
13 reporting and verification requirements, and so incurred no actual costs from January
14 to September 2019. Under OBPS regulations, Enbridge Gas is required to have its
15 2019 OBPS report verified by a third-party auditor in 2020. In support of such future
16 verifications, Enbridge Gas intends to engage a third-party auditor to complete a pre-
17 verification in 2019. Enbridge Gas forecasts to incur incremental costs of \$0.1 million
18 from October to December 2019 for pre-verification. Accordingly, Enbridge Gas has
19 recorded \$0.1 million for 2019 GHG reporting and verification costs in the GGEADAs,
20 which has been allocated equally between the EGD rate zone and Union rate zones,
21 as set out in Table C-1.

¹⁰ EB-2018-0205, Exhibit C, p. 5.

1 Official third-party verification of the 2019 OBPS report will occur in the second
2 quarter of 2020 and associated GHG reporting and verification costs have been
3 included in Table C-3 accordingly.

4
5 BAD DEBT

6 In its 2019 Application, Enbridge Gas forecast costs of \$0.8 million for bad debt in
7 2019, based on a Federal Carbon Charge implementation date of April 1, 2019.¹¹

8 Actual bad costs incurred from January 2019 to September 2019 was approximately
9 \$34,000. Enbridge Gas forecasts to incur incremental bad debt costs of \$0.4 million
10 from October to December 2019. Accordingly, Enbridge Gas has recorded \$0.4 million
11 for 2019 bad debt costs in the GGEADAs, which has been allocated between the EGD
12 rate zone and Union rate zones consistent with cost incurrence, as set out in Table C-1.
13 Due to the timing of OEB approval of the 2019 Application, Enbridge Gas did not
14 begin collecting FCPP-related charges from customers until August 1, 2019,
15 therefore no actual bad debt costs were incurred until after this date.

16
17 OTHER MISCELLANEOUS COSTS

18 In its 2019 Application, Enbridge Gas forecast 2019 other miscellaneous costs of
19 \$0.2 million associated with customer outreach and communications, training,

¹¹ EB-2018-0205, Exhibit C, p. 5.

1 conferences, travel expenses, memberships and subscriptions associated with the
2 GGPPA or other federal GHG or carbon pricing programs in 2020.¹²

3
4 Actual other miscellaneous costs incurred from January 2019 to September 2019 was
5 \$0.1 million. Enbridge Gas forecasts to incur incremental costs of approximately
6 \$38,000 from October to December 2019. Accordingly, Enbridge Gas has recorded
7 \$0.1 million for 2019 other miscellaneous costs in the GGEADAs, which has been
8 allocated equally between the EGD rate zone and Union rate zones, as set out in
9 Table C-1.

10 3.2. 2019 CUSTOMER-RELATED COSTS RECORDED IN THE FCCCVA

11 As set out at Exhibit A, the Federal Carbon Charge became effective April 1, 2019.
12 However, as the OEB denied Enbridge Gas's request to establish interim rates for
13 April 1, 2019 and did not approve commensurate rate increases until August 1,
14 2019,¹³ Enbridge Gas has recorded customer-related costs incurred under the FCPP
15 between April 1, 2019 and July 31, 2019 of \$144.5 million in the FCCCVA, including
16 \$89.3 million for the EGD rate zone, and \$55.3 million for the Union rate zones.¹⁴

¹² EB-2018-0205, Exhibit C, p. 6.

¹³ EB-2018-0205, Interim Decision and Accounting Orders, February 28, 2019, p. 4; EB-2018-0205, Decision and Order, July 4, 2019, pp. 12-13.

¹⁴ These costs were calculated by applying the Federal Carbon Charge Rate for Marketable Natural Gas of 3.91 ¢/m³ set out in Table A-1 to actual customer-related volumes of natural gas consumed from April 1, 2019 to July 31, 2019 of approximately 3.6 million 10³m³ and adding interest of \$2.5 million.

3.3. 2019 FACILITY-RELATED COSTS RECORDED IN THE FCCFVA

As set out in Table C-2, Enbridge Gas has also incurred cost variances related to the operation of its own facilities in 2019 relative to the forecast included in its 2019 Application. Accordingly, Enbridge Gas has recorded a 2019 facility-related variance incurred under the FCPP of of \$0.7 million in the FCCFVA, composed of: actual facility-related variance between January 1, 2019 and September 30, 2019 of \$0.5 million; and forecasted facility-related variance between October 1, 2019 to December 31, 2019 of \$0.2 million.¹⁵

Table C-2
2019 Facility-Related Costs Recorded in the FCCFVA

	2019 Costs (\$millions)		
	EGD Rate Zone	Union Rate Zones	Total
Actual Facility-Related Variance (January 1, 2019 to September 30, 2019)	0.1	0.4	0.5
Forecast Facility-Related Variance (October 1, 2019 to December 31, 2019)	0.0	0.2	0.2
Total	0.1	0.6	0.7

3. FORECAST 2020 ADMINISTRATION COSTS

As set out in Table C-3, Enbridge Gas's forecast 2020 administration costs are \$2.6 million: \$1.3 million for the EGD rate zone; and \$1.2 million for the Union rate

¹⁵ These costs are inclusive of: (1) applying the Federal Carbon Charge Rate for Marketable Natural Gas of 3.91 ¢/m³ set out in Table A-1 to actual and forecasted Company Use Volumes of natural gas consumed in the operation of Enbridge Gas's facilities from April 1, 2019 to December 31, 2019, including actual volumes of approximately 6.1 million 10³m³ for the April 1, 2019 to September 30, 2019 period; (2) Enbridge Gas forecast 2019 OBPS obligation of \$2.4 million for the January 1, 2019 to December 31, 2019 period, (3) interest of \$4,000, and (4) net of actual and forecast collections from ratepayers for the August 1, 2019 to December 31, 2019 period.

zones. Enbridge Gas will record actual 2020 costs in the GGEADAs until such time that these costs are incorporated into rates. Enbridge Gas is providing forecast 2020 administration costs for informational purposes only and will seek recovery of its actual 2020 administration costs in a future proceeding. A description of the components of Enbridge Gas's forecast 2020 administration costs follows.

Table C-3

Forecast 2020 Administration Costs

Cost Element	2020 Forecast Costs (\$millions)		
	EGD Rate Zone	Union Rate Zones	Total
IT Billing System	0.2	0.2	0.4
Staffing Resources	0.4	0.4	0.8
Consulting & External Legal Support	0.1	0.1	0.2
GHG Reporting & Verification	0.0	0.0	0.1
Bad Debt	0.5	0.4	0.9
Other Miscellaneous Costs	0.1	0.1	0.2
Total	1.3	1.2	2.6

IT BILLING SYSTEM COSTS

For 2020, Enbridge Gas forecasts the revenue requirement associated with Cap and Trade-related billing system functionality re-purposed for GGPPA-related charges to be \$0.4 million: \$0.2 million for the EGD rate zone; and \$0.2 million for the Union rate zones. Enbridge Gas has included the revenue requirement for 2020 forecasted capital costs of \$0.1 million required for billing system modifications for the Union rate zones to comply with the GGPPA. The 2020 revenue requirement for these costs has not been previously collected from customers.

1 STAFFING RESOURCES

2 For 2020, staffing costs are currently estimated to be approximately \$0.8 million.
3 These fully allocated costs are for the four FTEs that comprise the Carbon Strategy
4 team. This level of staffing reflects the incremental level of effort Enbridge Gas has
5 experienced to-date and expects to require across the organization to comply with
6 the GGPPA in 2020. With the establishment of other carbon-related programs and
7 initiatives in the future (e.g., the Federal Clean Fuel Standard ("CFS")), Enbridge Gas
8 may require incremental staffing resources. Enbridge Gas will seek OEB approval to
9 recover prudently incurred actual 2020 staffing costs that reflect the incremental effort
10 required to comply with the GGPPA and other regulations, together with its overall
11 2020 administration costs, in a future proceeding.

12
13 Enbridge Gas notes that the GGPPA impacts a wide variety of groups across the
14 organization and wherever reasonable to do so Enbridge Gas has leveraged existing
15 resources outside of the Carbon Strategy team and will continue to do so going forward.
16 This demonstrates Enbridge Gas's commitment to cost-effectiveness, productivity gains
17 and continuous improvement. These ancillary resources and related costs will not be
18 recorded in the GGEADA in 2020.

19
20 CONSULTING AND EXTERNAL LEGAL SUPPORT

21 Enbridge Gas anticipates that it will incur \$0.2 million in consulting and external legal
22 costs in 2020 for work supporting the development and sustainment of Enbridge

1 Gas's carbon strategy and related analyses, the review and interpretation of any new
2 or updated regulations associated with the GGPPA or other GHG or carbon pricing
3 programs and for work supporting the development of Enbridge Gas's Application
4 and associated OEB proceedings.

5
6 These expenditures are required to ensure that Enbridge Gas remains well-informed of,
7 and in compliance with, new regulatory requirements. Enbridge Gas also notes that it
8 may incur additional consulting and external legal costs associated with other GHG or
9 carbon pricing programs, such as the CFS. These costs will also be recorded in the
10 GGEADA.

11
12 *GHG REPORTING AND VERIFICATION*

13 In accordance with OBPS regulations, Enbridge Gas is required to have it's annual
14 OBPS report verified by a third-party auditor. The verification includes both the GHG
15 emissions and the production from each specified industrial activity during the
16 compliance period that was used in calculation of the emissions limit.¹⁶ The emission
17 report and verification report must be submitted by June 1 of the year following the
18 compliance period. For 2019, the verification will be completed and submitted by
19 June 1, 2020.

20

¹⁶ Output-Based Pricing System Regulations, Schedule 5; <https://laws-lois.justice.gc.ca/eng/regulations/SOR-2019-266/index.html>

1 Because Enbridge Gas's current OEB-approved rates for the EGD rate zone and Union
2 rate zones were not developed assuming the requirement to audit the OBPS report, the
3 costs associated with this portion of emissions verification will be captured in the 2020
4 GGEADA. Enbridge Gas anticipates the fees associated with the 2019 emissions
5 verification to be \$0.1 million.

6
7 BAD DEBT

8 Enbridge Gas estimates that it will incur approximately \$0.9 million in incremental bad
9 debt expenses in 2020 based on forecasted costs recoverable from customers as a
10 result of the GGPPA, as set out in Exhibit B.

11
12 While Enbridge Gas has included forecast bad debt costs in Table C-3, only actual
13 customer account balances related to the GGPPA that are written off for 2020 will be
14 recorded in the GGEADA.

15 OTHER MISCELLANEOUS COSTS

16 Enbridge Gas expects to incur approximately \$0.2 million in other miscellaneous
17 costs for customer outreach and communications, training, conferences, travel
18 expenses, memberships and subscriptions associated with the GGPPA or other GHG
19 or carbon pricing programs in 2020.

20
21 Going forward, Enbridge Gas will continue to leverage existing communication methods
22 to inform customers of annual rate increases and important information related to the

- 1 FCPP. Communication channels may include, as appropriate: bill inserts, social media,
- 2 bill messages, newsletters, dedicated webpages, customer meetings, and customer
- 3 contact centre staff.

COST RECOVERY

The purpose of this exhibit of evidence is to support Enbridge Gas's request to update the impacts of the GGPPA in rates for the EGD rate zone and Union rate zones, effective April 1, 2020, and to address the proposed allocation and disposition of Enbridge Gas's 2019 FCPP-related deferral and variance account balances, as described at Exhibit C. Enbridge Gas requests approval of: (i) an update to the Federal Carbon Charge and Facility Carbon Charge; and (ii) the allocation and disposition of 2019 FCPP-related deferral and variance account balances.

Enbridge Gas requests that the OEB approve the proposed rate changes on a final basis by February 13, 2020, for inclusion in rates beginning April 1, 2020. Enbridge Gas will file a draft rate order for final rates following the issuance of the OEB's Decision and Order for this Application.

This exhibit of evidence is organized as follows:

1. FCPP-Related Unit Rates

1.1 2020 Federal Carbon Charge

1.2 2020 Facility Carbon Charge

1.3 Union South – Parkway Delivery Commitment Incentive Costs

1.4 2020 Administration Costs

1.5 Rate Schedule Changes

1.6 Bill Impacts of Carbon Charges

2. 2019 Deferral and Variance Account Balances

2.1 2019 FCCCVA

2.2 2019 FCCFVA

2.3 2019 GGEADA

2.4 Disposition of Deferral and Variance Account Balances

2.5 Bill Impacts of Deferral and Variance Account Disposition

Supporting schedules and appendices:

- Tab 1: Cost Recovery - EGD Rate Zone
- Tab 2: Cost Recovery - Union Rate Zones

1. F CPP-RELATED UNIT RATES

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 OBPS Volumes. These costs will be recovered from customers through the Federal Carbon Charge and Facility Carbon Charge unit rates respectively.

The combined Federal Carbon Charge and Facility Carbon Charge unit rate for the April 1, 2020 to March 31, 2021 period is summarized at Exhibit D, Tab 1, Schedule 1, p. 3, for the EGD rate zone and at Exhibit D, Tab 2, Schedule 1, p. 3, for the Union rate zones. A summary of the Federal Carbon Charge and Facility Carbon Charge unit rates by rate class for the April 1, 2020 to March 31, 2021 period for the EGD rate zone is provided at Exhibit D, Tab 1, Schedule 1, pp. 4-5.

1.1. 2020 FEDERAL CARBON CHARGE

Effective April 1, 2020, Enbridge Gas proposes to increase the Federal Carbon Charge from 3.9100 ¢/m³ (or \$20/tCO₂e) to 5.8700 ¢/m³ (or \$30/tCO₂e), as outlined in the GGPPA and set out at Exhibit A, Table A-1.¹

The Federal Carbon Charge is applicable to distribution customers in the EGD rate zone and Union 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 qualified commercial greenhouse customers, resulting in 80% greenhouse relief. The Federal Carbon Charge is shown as a separate line item on customers' bills, where applicable.

Enbridge Gas tracks the difference between the Federal Carbon Charge amount collected through rates and the actual costs incurred in the FCCCVA for each of the

¹ The GGPPA, Schedule 2 and Schedule 4.

EGD rate zone and the Union rate zones as described at Exhibit C and at Exhibit D,
Section 2.1.

The Federal Carbon Charge customer-related forecast volumes and costs by rate class
for the April 1, 2020 to March 31, 2021 period is set out at Exhibit D, Tab 1, Schedule 1,
p. 1, for the EGD rate zone and at Exhibit D, Tab 2, Schedule 1, p. 1, for the Union rate
zones.

1.2. 2020 FACILITY CARBON CHARGE

Enbridge Gas incurs costs of compliance with the GGPPA that are associated with its
own operations. Enbridge Gas's Facility Carbon Charge costs are incurred pursuant to
both Company Use Volumes (generated from distribution buildings, boilers/line heaters
and NGV fleet volumes) and OBPS Volumes (generated from compressor fuel). The
estimated Facility Carbon Charge costs for the April 1, 2020 to March 31, 2021 time
period are \$0.772 million for the EGD rate zone and \$3.469 million for the Union rate
zones, as detailed at Exhibit B, Tab 1, and at Exhibit B, Tab 2, respectively.

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.

Effective April 1, 2020, Enbridge Gas is proposing to increase the Facility Carbon Charge from 0.0036 ¢/m³ to 0.0049 ¢/m³ for the EGD rate zone and from 0.0084 ¢/m³ to 0.0088 ¢/m³ for the Union rate zones. There is no change to the Facility Carbon Charge when expressed in \$/GJ. The derivation of the proposed 2020 Facility Carbon Charge for each rate zone is set out in Table D-1.

Table D-1
Derivation of 2020 Facility Carbon Charges

Line No.	Particulars	Rate Zones	
		EGD	Union
		(a)	(b)
1	Total Facility Carbon Cost (\$000's)	772 ⁽¹⁾	3,469 ⁽²⁾
2	2020 Forecast Volumes (10 ³ m ³)	15,861,747 ⁽³⁾	39,466,586 ⁽⁴⁾
3	Facility Carbon Charge (¢/m ³) (line 1 ÷ line 2 × 100)	0.0049	0.0088
4	Facility Carbon Charge (\$/GJ) (line 3 ÷ Heat Value × 10) ⁽⁵⁾	0.001	0.002

Notes:

- (1) Exhibit B, Tab 1, Schedule 5.
- (2) Exhibit B, Tab 2, Schedule 5.
- (3) Forecast volumes per Exhibit D, Tab 1, Schedule 1.
- (4) Forecast volumes per Exhibit D, Tab 2, Schedule 1.
- (5) Conversion to GJs based on heat value adjustment of 38.53 GJ/10³m³ for the EGD rate zone
Conversion to GJs based on heat value adjustment of 38.98 GJ/10³m³ for the Union rate zones.

Enbridge Gas tracks the difference between the amount collected through rates and the actual costs incurred in the FCCFVA for each of the EGD rate zone and the Union rate zones as described in Exhibit C and at Exhibit D, Section 2.2.

Facility Carbon Charge forecast volumes by component, costs and unit rate for 2020 is detailed at Exhibit D, Tab 1, Schedule 1, p. 2, for the EGD rate zone and at Exhibit D, Tab 2, Schedule 1, p. 2, for the Union rate zones.

1.3. UNION SOUTH – PARKWAY DELIVERY COMMITMENT INCENTIVE COSTS

Enbridge Gas is not proposing a change to the Parkway Delivery Commitment Incentive (“PDCI”) credit or PDCI costs recovered in Union South distribution rates. Enbridge Gas includes the Facility Carbon Charge in the payment of the PDCI in the Union South rate zone for any continued obligated Daily Contract Quantity (“DCQ”) at Parkway, as compared to the amount included in current OEB approved rates. The PDCI credit is set at the M12 Dawn to Parkway rate at 100% load factor, which includes the 2019 Facility Carbon Charge of \$0.002/GJ in the M12 commodity rate. As the proposed 2020 Facility Carbon Charge remains unchanged at \$0.002/GJ (see Table D-1, Col. (b), Line 4) there is no update to PDCI as part of this Application.

1.4. 2020 ADMINISTRATION COSTS

Administration costs incurred in 2020 will be recorded in the OEB-approved GGEADAs and disposed of as part of a future application to the OEB, as previously described at Exhibit A and at Exhibit C.

1.5. RATE SCHEDULE CHANGES

Current approved rate schedules for wholesale distributors (Rate M9, M10 and T3) do not include the Federal Carbon Charge. Enbridge Gas will correct the wholesale rate schedules to include the Federal Carbon Charge as part of its next Quarterly Rate Adjustment Mechanism (“QRAM”) proceeding, effective January 1, 2020. The Federal Carbon Charge remains applicable to distributors that have not applied for exemption under Part 1 of the GGPPA.

1.6. BILL IMPACTS OF CARBON CHARGES

For the EGD rate zone, the bill impact of the 2020 carbon charges for a typical residential customer with annual consumption of 2,400 m³ is an increase of \$47.16 per year. Exhibit D, Tab 1, Schedule 2 details customer bill impacts for the EGD rate zone relative to 2020 proposed rates (EB-2019-0194).

For the Union rate zones, the bill impact of the 2020 carbon charges for a typical residential customer with annual consumption of 2,200 m³ is an increase of \$43.15 per year. Exhibit D, Tab 2, Schedule 2 details customer bill impacts for the Union rate zones

1 general service rate classes relative to 2020 proposed rates (EB-2019-0194). Exhibit D,
2 Tab 2, Schedule 3 details bill impacts for the Union rate zones in-franchise rate classes.

3
4 **2. 2019 DEFERRAL AND VARIANCE ACCOUNT BALANCES**

5 Enbridge Gas is requesting approval for the allocation and disposition of the 2019
6 balances in its GGEADA, FCCCVA and FCCFVA for each of the EGD rate zone and the
7 Union rate zones. A description of 2019 FCPP-related deferral and variance account
8 balances is provided at Exhibit C. The deferral and variance account balances are
9 provided at Exhibit D, Tab 1, Schedule 3 for the EGD rate zone and at Exhibit D, Tab 2,
10 Schedule 4 for the Union rate zones.

11
12 Enbridge Gas has used actual customers' consumption volumes from April 1, 2019 to
13 July 31, 2019 to allocate FCCCVA and FCCFVA balances to customer classes and to
14 derive disposition unit rates for the FCCCVAs, FCCFVAs, and GGEADAs. Enbridge
15 Gas has adopted this methodology because customers' consumption over this period
16 contributed to approximately 99% of the total balance to be cleared to customers.
17 Further, the disposition unit rates will be applied to each customer's actual consumption
18 volume within the April 1 to July 31, 2019 period (except for general service customers
19 in the Union rate zones). Therefore, it was appropriate to develop disposition unit rates
20 for all three account balances using the same set of volumes.

1 2.1. 2019 FCCCVA

2 Enbridge Gas proposes to allocate FCCCVA balances to rate classes in proportion to
3 actual customer-related volumes from April 1, 2019 to July 31, 2019. The FCCCVA
4 balance for 2019 is a result of payments Enbridge Gas was required to remit to the CRA
5 from April 1, 2019 to July 31, 2019 during which time Enbridge Gas did not have
6 approval to charge customers. Unit rates for disposition are derived using actual
7 customer-related volumes for the April 1, 2019 to July 31, 2019 time period. The
8 methodology to derive the allocation and disposition unit rates is the same for both the
9 EGD rate zone and the Union rate zones.

11 2.2. 2019 FCCFVA

12 Enbridge Gas proposes to allocate FCCFVA balances to rate classes in proportion to
13 actual in-franchise distribution and ex-franchise transportation volumes from April 1,
14 2019 to July 31, 2019. Unit rates for disposition are derived using actual volumes for the
15 April 1, 2019 to July 31, 2019 time period. The methodology to derive the allocation and
16 disposition unit rates is the same for both the EGD rate zone and the Union rate zones.

18 2.3. 2019 GGEADA

19 Enbridge Gas proposes to allocate GGEADA balances to rate classes in proportion to
20 the number of customers for the EGD rate zone and 2013 OEB-approved administrative
21 and general expenses for the Union rate zones. The proposed allocation methodologies
22 for each rate zone are consistent with the allocation of Cap-and-Trade administrative

costs approved in Enbridge Gas's 2016-2018 Cap-and-Trade Deferral & Variance Account Disposition application (EB-2018-0331). Unit rates for disposition are derived using actual volumes for the April 1, 2019 to July 31, 2019 time period.

2.4. DISPOSITION OF DEFERRAL AND VARIANCE ACCOUNT BALANCES

For general service customers in the Union rate zones (Rate M1, Rate M2, Rate 01 and Rate 10), Enbridge Gas proposes to dispose of the 2019 FCPP-related deferral and variance account balances prospectively over six-months. The prospective refund/recovery disposition is consistent with Enbridge Gas's current practice of disposition of deferral and variance account balances to these customers. Enbridge Gas proposes to record any recovery variance associated with the prospective recovery of final 2019 FCPP-Related Deferral and Variance Accounts in the Deferral Clearing Variance Account (179-132), which is consistent with the recovery variance of non-commodity deferral account variances for the Union rate zones.

For all remaining customers in the EGD rate zone and Union rate zones, Enbridge Gas proposes to dispose of the 2019 FCPP-related deferral and variance account balances as a one-time adjustment. The one-time billing adjustment will be derived for each customer individually by applying the disposition unit rates to each customer's actual consumption volume within the April 1 to July 31, 2019 period.

1 Given the magnitude of the deferral and variance account balances, Enbridge Gas is
2 proposing the adjustment be disposed of in three equal instalments over a three-month
3 period.

4
5 Enbridge Gas proposes to dispose of the approved 2019 FCPP-related balances with
6 the first QRAM application following the Board's approval, as early as April 1, 2020.

7
8 Unit rates for disposition can be found at Exhibit D, Tab 1, Schedule 4 for the EGD rate
9 zone and at Exhibit D, Tab 2, Schedule 5 for the Union rate zones.

10
11 2.5. BILL IMPACTS OF DEFERRAL AND VARIANCE ACCOUNT DISPOSITION

12 For the EGD rate zone, the bill impact of the proposed deferral and variance account
13 balance disposition (i.e. one-time billing adjustment) for a typical residential customer
14 with annual consumption of 2,400 m³ is \$21.59. Exhibit D, Tab 1, Schedule 5 details the
15 customer bill impacts for the EGD rate zone. As outlined above, Enbridge Gas is
16 proposing to dispose of the billing adjustment in three equal installments of
17 approximately \$7.20 each month.

18
19 For the Union rate zones, the bill impact of the proposed deferral and variance account
20 balance disposition for a typical residential customer with annual consumption of 2,200
21 m³ is \$18.17 for customers in the Union South rate zone and \$18.82 for customers in
22 the Union North rate zone. Exhibit D, Tab 2, Schedule 6, details customer bill impacts

1 for the Union rate zones general service rate classes. As outlined above, Enbridge Gas
2 is proposing to dispose of the balance prospectively from Union rate zone general
3 service customers over six months from April 1, 2020 to September 30, 2020.

EGD Rate Zone

EGD RATE ZONE

Filed: 2019-11-18
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Exhibit D
Tab 1
Schedule 1
Page 1 of 5

TABLE 1: 2020 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 ¹	Less: Transportation Volumes	Customer-Related Forecast Volumes ²	OBPS Participant & Other Exempt Volumes ³	Net Volumes ⁴	Federal Carbon Charge ⁵	Federal Carbon Cost ⁶	Federal Carbon Charge Unit Rate ⁷
		(10 ³ m ³)	(10 ³ m ³)	(10 ³ m ³)	(10 ³ m ³)	(10 ³ m ³)	(\$/m ³)	(\$)	(¢/m ³)
1.1	1	4,939,740	0	4,939,740	317	4,939,423	0.0587	289,944,130	
1.2	6	4,838,009	0	4,838,009	166,999	4,671,010	0.0587	274,188,287	
1.3	9	0	0	0	0	0	0.0587	0	
1.4	100	17,051	0	17,051	0	17,051	0.0587	1,000,894	
1.5	110	887,340	0	887,340	248,570	638,770	0.0587	37,495,799	
1.6	115	447,759	0	447,759	377,263	70,496	0.0587	4,138,115	
1.7a	125	561,616	0	561,616	561,616	0	0.0587	0	
1.8	135	62,796	0	62,796	0	62,796	0.0587	3,686,125	
1.9	145	40,579	0	40,579	5,266	35,313	0.0587	2,072,873	
1.10	170	272,020	0	272,020	90,302	181,718	0.0587	10,666,847	
1.11	200	195,045	0	195,045	195,045	0	0.0587	0	
1.12	300	0	0	0	0	0	0.0587	0	
1.13	332	3,599,792	3,599,792	0	0	0	0.0587	0	
1	Total	15,861,747	3,599,792	12,261,955	1,645,378	10,616,577		623,193,070	5.8700

Notes:

(1) Exhibit B, Tab 1, Schedule 1, Col. 1 + Rate 332 forecast volume

(2) Col. 1 - Col. 2

(3) Exhibit B, Tab 1, Schedule 1, Col. 2

(4) Col. 3 - Col. 4

(5) Exhibit B, Tab 1, Schedule 5, Line 2

(6) Col. 5 x Col. 6 x 1000

(7) (Col. 7 / (Col. 5 x 1000)) x 100

EGD RATE ZONE

Filed: 2019-11-18

EB-2019-0247

Exhibit D

Tab 1

Schedule 1

Page 2 of 5

TABLE 2: 2020 FACILITY-RELATED VOLUMES AND DERIVATION OF FACILITY CARBON CHARGE UNIT RATE

		Col. 1	Col. 2	Col. 3	Col. 4
Line		Forecast Volumes ¹ (10 ³ m ³)	Carbon Charge ² (\$/m ³)	Facility Carbon Cost (\$)	Facility Carbon Charge Unit Rate (¢/m ³)
2.1	Company Use				
2.1.1	Buildings	1,402			
2.1.2	Boilers/Line Heaters	3,934			
2.1.3	NGV Fleet	1,064			
2.1	Company Use	6,400	0.0587	375,680	³
2.2	Compressor Fuel	16,244	-	396,540	⁴
2	Total	22,644		772,220	0.0049 ⁵

Notes:

(1) Exhibit B, Tab 1, Schedule 2

The Company Use forecast volumes for April 1, 2020 to March 31, 2021 and the Compressor Fuel forecast volume for January 1 to December 31, 2020.

(2) Exhibit B, Tab 1, Schedule 5, Line 5

(3) Col. 2 x Col. 3 x 1000

(4) Exhibit B, Tab 1, Schedule 5, Line 9

(5) Facility Carbon Cost / Total forecast volume = [Line 2, Col. 3 / (Table 1, Line 1, Col. 1 x 1000)] x 100

EGD RATE ZONE

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Exhibit D

Tab 1

Schedule 1

Page 3 of 5

TABLE 3: 2020 CARBON CHARGE UNIT RATE SUMMARY

		Col. 1	
Line		Unit Rate	
		(¢/m ³)	
1	Federal Carbon Charge	5.8700	1
2	Facility Carbon Charge	0.0049	2
3	Total	5.8749	3

Notes:

(1) Table 1, Line 1, Col. 8

(2) Table 2, Line 2, Col. 4

(3) Line 1 + Line 2

EGD RATE ZONE

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Exhibit D

Tab 1

Schedule 1

Page 4 of 5

TABLE 4: 2020 CARBON CHARGE UNIT RATE BY RATE CLASS

Rate Class		(¢/m ³)
Rate 1	Federal Carbon Charge (If Applicable)	5.8700
	Facility Carbon Charge	0.0049
Rate 6	Federal Carbon Charge (If Applicable)	5.8700
	Facility Carbon Charge	0.0049
Rate 9	Federal Carbon Charge (If Applicable)	5.8700
	Facility Carbon Charge	0.0049
Rate 100	Federal Carbon Charge (If Applicable)	5.8700
	Facility Carbon Charge	0.0049
Rate 110	Federal Carbon Charge (If Applicable)	5.8700
	Facility Carbon Charge	0.0049
Rate 115	Federal Carbon Charge (If Applicable)	5.8700
	Facility Carbon Charge	0.0049
Rate 125	Federal Carbon Charge (If Applicable)	5.8700
	Facility Carbon Charge	0.0049
Rate 135	Federal Carbon Charge (If Applicable)	5.8700
	Facility Carbon Charge	0.0049
Rate 145	Federal Carbon Charge (If Applicable)	5.8700
	Facility Carbon Charge	0.0049

Rate Class		(¢/m ³)
Rate 170	Federal Carbon Charge (If Applicable)	5.8700
	Facility Carbon Charge	0.0049
Rate 200	Federal Carbon Charge (If Applicable)	0.0000
	Facility Carbon Charge	0.0049
Rate 300	Federal Carbon Charge (If Applicable)	5.8700
	Facility Carbon Charge	0.0049
Rate 300 Interruptible	Federal Carbon Charge (If Applicable)	5.8700
	Facility Carbon Charge	0.0049
Rate 315	Federal Carbon Charge (If Applicable)	0.0000
	Facility Carbon Charge	0.0049
Rate 316	Federal Carbon Charge (If Applicable)	0.0000
	Facility Carbon Charge	0.0049
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	0.0049
Rate 330	Federal Carbon Charge (If Applicable)	0.0000
	Facility Carbon Charge	0.0049
Rate 331	Federal Carbon Charge (If Applicable)	0.0000
	Facility Carbon Charge	0.0049
Rate 332	Federal Carbon Charge (If Applicable)	0.0000
	Facility Carbon Charge	0.0049

EGD RATE ZONE

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

(A) EB-2019-0194 Inclusive of 2020 Federal Carbon Pricing vs (B) EB-2019-0194 Inclusive of 2019 Federal Carbon Pricing

Item			Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8
<u>No.</u>										
Heating & Water Htg.							Heating, Water Htg. & Other Uses			
			(A)	(B)	CHANGE		(A)	(B)	CHANGE	
					(A) - (B)	%			(A) - (B)	%
1.1	VOLUME	m³	3,064	3,064	0	0.0%	4,691	4,691	0	0.0%
1.2	CUSTOMER CHG.	\$	257.87	257.87	0.00	0.0%	257.87	257.87	0.00	0.0%
1.3	DISTRIBUTION CHG.	\$	264.70	264.55	0.15	0.1%	399.11	398.88	0.23	0.1%
1.4	LOAD BALANCING	§ \$	168.22	168.22	0.00	0.0%	257.55	257.55	0.00	0.0%
1.5	SALES COMMDTY	\$	274.98	274.98	0.00	0.0%	421.00	421.00	0.00	0.0%
1.6	FEDERAL CARBON CHARGE	\$	179.86	119.80	60.05	50.1%	275.36	183.42	91.94	50.1%
1.7	TOTAL SALES	\$	1,145.63	1,085.42	60.20	5.5%	1,610.89	1,518.72	92.17	6.1%
1.8	TOTAL T-SERVICE	\$	870.64	810.44	60.20	7.4%	1,189.89	1,097.72	92.17	8.4%

Heating Only							Heating & Water Htg.					
			(A)	(B)	CHANGE				(A)	(B)	CHANGE	
					(A) - (B)	%					(A) - (B)	%
2.1	VOLUME	m³	1,955	1,955	0	0.0%			2,005	2,005	0	0.0%
2.2	CUSTOMER CHG.	\$	257.87	257.87	0.00	0.0%			257.87	257.87	0.00	0.0%
2.3	DISTRIBUTION CHG.	\$	169.77	169.67	0.10	0.1%			176.63	176.54	0.10	0.1%
2.4	LOAD BALANCING	§ \$	107.33	107.33	0.00	0.0%			110.08	110.08	0.00	0.0%
2.5	SALES COMMDTY	\$	175.45	175.45	0.00	0.0%			179.94	179.94	0.00	0.0%
2.6	FEDERAL CARBON CHARGE	\$	114.76	76.44	38.32	50.1%			117.69	78.40	39.30	50.1%
2.7	TOTAL SALES	\$	825.18	786.77	38.41	4.9%			842.22	802.82	39.40	4.9%
2.8	TOTAL T-SERVICE	\$	649.73	611.31	38.41	6.3%			662.27	622.88	39.40	6.3%

§ The Load Balancing Charge shown here includes proposed transportation charges

EGD RATE ZONE

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

(A) EB-2019-0194 Inclusive of 2020 Federal Carbon Pricing vs (B) EB-2019-0194 Inclusive of 2019 Federal Carbon Pricing

Item No.			Col. 1	Col. 2	Col. 3	Col. 4		Col. 5	Col. 6	Col. 7	Col. 8		
Heating, Pool Htg. & Other Uses							General & Water Htg.						
			(A)	(B)	CHANGE					(A)	(B)	CHANGE	
					(A) - (B)	%						(A) - (B)	%
3.1	VOLUME	m³	5,048	5,048	0	0.0%		1,081	1,081	0	0.0%		
3.2	CUSTOMER CHG.	\$	257.87	257.87	0.00	0.0%		257.87	257.87	0.00	0.0%		
3.3	DISTRIBUTION CHG.	\$	429.23	428.98	0.25	0.1%		99.67	99.61	0.05	0.1%		
3.4	LOAD BALANCING	§ \$	277.15	277.15	0.00	0.0%		59.35	59.35	0.00	0.0%		
3.5	SALES COMMDTY	\$	453.04	453.04	0.00	0.0%		97.02	97.02	0.00	0.0%		
3.6	FEDERAL CARBON CHARGE	\$	296.32	197.38	98.94	50.1%		63.45	42.27	21.19	50.1%		
3.7	TOTAL SALES	\$	1,713.60	1,614.41	99.19	6.1%		577.35	556.11	21.24	3.8%		
3.8	TOTAL T-SERVICE	\$	1,260.56	1,161.37	99.19	8.5%		480.34	459.10	21.24	4.6%		
Heating & Water Htg.							Heating & Water Htg.						
			(A)	(B)	CHANGE					(A)	(B)	CHANGE	
					(A) - (B)	%						(A) - (B)	%
4.1	VOLUME	m³	2,480	2,480	0	0.0%		2,400	2,400	0	0.0%		
4.2	CUSTOMER CHG.	\$	257.87	257.87	0.00	0.0%		257.87	257.87	0.00	0.0%		
4.3	DISTRIBUTION CHG.	\$	216.11	215.99	0.12	0.1%		209.19	209.08	0.12	0.1%		
4.4	LOAD BALANCING	§ \$	136.16	136.16	0.00	0.0%		131.77	131.77	0.00	0.0%		
4.5	SALES COMMDTY	\$	222.57	222.57	0.00	0.0%		215.39	215.39	0.00	0.0%		
4.6	FEDERAL CARBON CHARGE	\$	145.58	96.97	48.61	50.1%		140.88	93.84	47.04	50.1%		
4.7	TOTAL SALES	\$	978.28	929.56	48.73	5.2%		955.10	907.94	47.16	5.2%		
4.8	TOTAL T-SERVICE	\$	755.71	706.98	48.73	6.9%		739.71	692.55	47.16	6.8%		

§ The Load Balancing Charge shown here includes proposed transportation charges

EGD RATE ZONE

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

(A) EB-2019-0194 Inclusive of 2020 Federal Carbon Pricing vs (B) EB-2019-0194 Inclusive of 2019 Federal Carbon Pricing

Item No.			Col. 1	Col. 2	Col. 3	Col. 4		Col. 5	Col. 6	Col. 7	Col. 8		
Commercial Heating & Other Uses							Com. Htg., Air Cond'ng & Other Uses						
			(A)	(B)	CHANGE					(A)	(B)	CHANGE	
					(A) - (B)	%						(A) - (B)	%
1.1	VOLUME	m³	22,606	22,606	0	0.0%		29,278	29,278	0	0.0%		
1.2	CUSTOMER CHG.	\$	872.53	872.53	0.00	0.0%		872.53	872.53	0.00	0.0%		
1.3	DISTRIBUTION CHG.	\$	1,547.34	1,546.23	1.11	0.1%		1,985.42	1,983.98	1.43	0.1%		
1.4	LOAD BALANCING	§ \$	1,221.83	1,221.83	0.00	0.0%		1,582.44	1,582.44	0.00	0.0%		
1.5	SALES COMMDTY	\$	2,033.73	2,033.73	0.00	0.0%		2,633.97	2,633.97	0.00	0.0%		
1.6	FEDERAL CARBON CHARGE	\$	1,326.97	883.89	443.08	50.1%		1,718.62	1,144.77	573.85	50.1%		
1.7	TOTAL SALES	\$	7,002.40	6,558.22	444.19	6.8%		8,792.98	8,217.70	575.28	7.0%		
1.8	TOTAL T-SERVICE	\$	4,968.67	4,524.48	444.19	9.8%		6,159.01	5,583.72	575.28	10.3%		
Medium Commercial Customer							Large Commercial Customer						
			(A)	(B)	CHANGE					(A)	(B)	CHANGE	
					(A) - (B)	%						(A) - (B)	%
2.1	VOLUME	m³	169,563	169,563	0	0.0%		339,125	339,125	0	0.0%		
2.2	CUSTOMER CHG.	\$	872.53	872.53	0.00	0.0%		872.53	872.53	0.00	0.0%		
2.3	DISTRIBUTION CHG.	\$	8,349.65	8,341.34	8.31	0.1%		15,297.72	15,281.11	16.62	0.1%		
2.4	LOAD BALANCING	§ \$	9,164.66	9,164.66	0.00	0.0%		18,329.27	18,329.27	0.00	0.0%		
2.5	SALES COMMDTY	\$	15,254.61	15,254.61	0.00	0.0%		30,509.14	30,509.14	0.00	0.0%		
2.6	FEDERAL CARBON CHARGE	\$	9,953.35	6,629.91	3,323.43	50.1%		19,906.64	13,259.79	6,646.85	50.1%		
2.7	TOTAL SALES	\$	43,594.81	40,263.06	3,331.74	8.3%		84,915.31	78,251.84	6,663.47	8.5%		
2.8	TOTAL T-SERVICE	\$	28,340.19	25,008.45	3,331.74	13.3%		54,406.17	47,742.70	6,663.47	14.0%		

§ The Load Balancing Charge shown here includes proposed transportation charges

EGD RATE ZONE

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

(A) EB-2019-0194 Inclusive of 2020 Federal Carbon Pricing vs (B) EB-2019-0194 Inclusive of 2019 Federal Carbon Pricing

Item No.			Col. 1	Col. 2	Col. 3	Col. 4		Col. 5	Col. 6	Col. 7	Col. 8		
Industrial General Use							Industrial Heating & Other Uses						
			(A)	(B)	CHANGE					(A)	(B)	CHANGE	
					(A) - (B)	%						(A) - (B)	%
3.1	VOLUME	m³	43,285	43,285	0	0.0%		63,903	63,903	0	0.0%		
3.2	CUSTOMER CHG.	\$	872.53	872.53	0.00	0.0%		872.53	872.53	0.00	0.0%		
3.3	DISTRIBUTION CHG.	\$	2,744.33	2,742.21	2.12	0.1%		3,682.76	3,679.63	3.13	0.1%		
3.4	LOAD BALANCING	§ \$	2,339.50	2,339.50	0.00	0.0%		3,453.88	3,453.88	0.00	0.0%		
3.5	SALES COMMDTY	\$	3,894.10	3,894.10	0.00	0.0%		5,748.99	5,748.99	0.00	0.0%		
3.6	FEDERAL CARBON CHARGE	\$	2,540.83	1,692.44	848.39	50.1%		3,751.11	2,498.61	1,252.50	50.1%		
3.7	TOTAL SALES	\$	12,391.30	11,540.79	850.51	7.4%		17,509.27	16,253.64	1,255.63	7.7%		
3.8	TOTAL T-SERVICE	\$	8,497.20	7,646.69	850.51	11.1%		11,760.28	10,504.65	1,255.63	12.0%		
Medium Industrial Customer							Large Industrial Customer						
			(A)	(B)	CHANGE					(A)	(B)	CHANGE	
					(A) - (B)	%						(A) - (B)	%
4.1	VOLUME	m³	169,563	169,563	0	0.0%		339,124	339,124	0	0.0%		
4.2	CUSTOMER CHG.	\$	872.53	872.53	0.00	0.0%		872.53	872.53	0.00	0.0%		
4.3	DISTRIBUTION CHG.	\$	8,549.01	8,540.70	8.31	0.1%		15,446.06	15,429.44	16.62	0.1%		
4.4	LOAD BALANCING	§ \$	9,164.66	9,164.66	0.00	0.0%		18,329.22	18,329.22	0.00	0.0%		
4.5	SALES COMMDTY	\$	15,254.61	15,254.61	0.00	0.0%		30,509.05	30,509.05	0.00	0.0%		
4.6	FEDERAL CARBON CHARGE	\$	9,953.35	6,629.91	3,323.43	50.1%		19,906.58	13,259.75	6,646.83	50.1%		
4.7	TOTAL SALES	\$	43,794.17	40,462.42	3,331.74	8.2%		85,063.44	78,399.99	6,663.45	8.5%		
4.8	TOTAL T-SERVICE	\$	28,539.55	25,207.81	3,331.74	13.2%		54,554.39	47,890.94	6,663.45	13.9%		

§ The Load Balancing Charge shown here includes proposed transportation charges

EGD RATE ZONE

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

(A) EB-2019-0194 Inclusive of 2020 Federal Carbon Pricing vs (B) EB-2019-0194 Inclusive of 2019 Federal Carbon Pricing

Item No.			Col. 1	Col. 2	Col. 3	Col. 4		Col. 5	Col. 6	Col. 7	Col. 8		
Rate 100 - Small Commercial Firm							Rate 100 - Average Commercial Firm						
			(A)	(B)	CHANGE					(A)	(B)	CHANGE	
					(A) - (B)	%						(A) - (B)	%
1.1	VOLUME	m³	339,188	339,188	0	0.0%		598,567	598,567	0	0.0%		
1.2	CUSTOMER CHG.	\$	1,511.91	1,511.91	0.00	0.0%		1,511.91	1,511.91	0.00	0.0%		
1.3	DISTRIBUTION CHG.	\$	13,867.15	13,850.53	16.62	0.1%		67,480.51	67,451.18	29.33	0.0%		
1.4	LOAD BALANCING	\$	18,333.80	18,333.80	0.00	0.0%		32,353.77	32,353.77	0.00	0.0%		
1.5	SALES COMMDTY	\$	30,514.80	30,514.80	0.00	0.0%		53,849.64	53,849.64	0.00	0.0%		
1.6	FEDERAL CARBON CHARGE	\$	19,910.34	13,262.25	6,648.08	50.1%		35,135.88	23,403.97	11,731.91	50.1%		
1.7	TOTAL SALES	\$	84,138.00	77,473.30	6,664.71	8.6%		190,331.71	178,570.47	11,761.24	6.6%		
1.8	TOTAL T-SERVICE	\$	53,623.20	46,958.50	6,664.71	14.2%		136,482.07	124,720.83	11,761.24	9.4%		
Rate 100 - Large Industrial Firm													
			(A)	(B)	CHANGE								
					(A) - (B)	%							
2.1	VOLUME	m³	1,500,000	1,500,000	0	0.0%							
2.2	CUSTOMER CHG.	\$	1,511.91	1,511.91	0.00	0.0%							
2.3	DISTRIBUTION CHG.	\$	135,515.80	135,442.30	73.50	0.1%							
2.4	LOAD BALANCING	\$	81,078.05	81,078.05	0.00	0.0%							
2.5	SALES COMMDTY	\$	134,946.41	134,946.41	0.00	0.0%							
2.6	FEDERAL CARBON CHARGE	\$	88,050.00	58,650.00	29,400.00	50.1%							
2.7	TOTAL SALES	\$	441,102.18	411,628.68	29,473.50	7.2%							
2.8	TOTAL T-SERVICE	\$	306,155.77	276,682.27	29,473.50	10.7%							

EGD RATE ZONE

ANNUAL BILL COMPARISON - LARGE VOLUME CUSTOMERS

INCLUDING FEDERAL CARBON PRICING IMPACTS FOR NON-OBPS PARTICIPANTS AND RIDER K BILL 32

(A) EB-2019-0194 Inclusive of 2020 Federal Carbon Pricing vs (B) EB-2019-0194 Inclusive of 2019 Federal Carbon Pricing

Item No.			Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	
Rate 145 - Small Commercial Interr.							Rate 145 - Average Commercial Interr.				
			(A)	(B)	CHANGE					CHANGE	
					(A) - (B)	%				(A) - (B)	%
3.1	VOLUME	m³	339,188	339,188	0	0.0%	598,568	598,568	0	0.0%	
3.2	CUSTOMER CHG.	\$	1,528.26	1,528.26	0.00	0.0%	1,528.26	1,528.26	0.00	0.0%	
3.3	DISTRIBUTION CHG.	\$	12,551.22	12,534.60	16.62	0.1%	19,043.96	19,014.63	29.33	0.2%	
3.4	LOAD BALANCING	\$	14,385.58	14,385.58	0.00	0.0%	25,386.71	25,386.71	0.00	0.0%	
3.5	SALES COMMDTY	\$	30,332.38	30,332.38	0.00	0.0%	53,527.82	53,527.82	0.00	0.0%	
3.6	FEDERAL CARBON CHARGE	\$	19,910.34	13,262.25	6,648.08	50.1%	35,135.94	23,404.01	11,731.93	50.1%	
3.7	TOTAL SALES	\$	78,707.79	72,043.08	6,664.71	9.3%	134,622.70	122,861.44	11,761.26	9.6%	
3.8	TOTAL T-SERVICE	\$	48,375.40	41,710.70	6,664.71	16.0%	81,094.88	69,333.61	11,761.26	17.0%	
Rate 145 - Small Industrial Interr.							Rate 145 - Average Industrial Interr.				
			(A)	(B)	CHANGE					CHANGE	
					(A) - (B)	%				(A) - (B)	%
4.1	VOLUME	m³	339,188	339,188	0	0.0%	598,567	598,567	0	0.0%	
4.2	CUSTOMER CHG.	\$	1,528.26	1,528.26	0.00	0.0%	1,528.26	1,528.26	0.00	0.0%	
4.3	DISTRIBUTION CHG.	\$	12,827.01	12,810.39	16.62	0.1%	19,288.11	19,258.78	29.33	0.2%	
4.4	LOAD BALANCING	\$	14,385.58	14,385.58	0.00	0.0%	25,386.66	25,386.66	0.00	0.0%	
4.5	SALES COMMDTY	\$	30,332.38	30,332.38	0.00	0.0%	53,527.73	53,527.73	0.00	0.0%	
4.6	FEDERAL CARBON CHARGE	\$	19,910.34	13,262.25	6,648.08	50.1%	35,135.88	23,403.97	11,731.91	50.1%	
4.7	TOTAL SALES	\$	78,983.58	72,318.87	6,664.71	9.2%	134,866.65	123,105.41	11,761.24	9.6%	
4.8	TOTAL T-SERVICE	\$	48,651.19	41,986.49	6,664.71	15.9%	81,338.92	69,577.68	11,761.24	16.9%	

EGD RATE ZONE

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

(A) EB-2019-0194 Inclusive of 2020 Federal Carbon Pricing vs (B) EB-2019-0194 Inclusive of 2019 Federal Carbon Pricing

Item No.			Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	
Rate 110 - Small Ind. Firm - 50% LF							Rate 110 - Average Ind. Firm - 50% LF				
			(A)	(B)	CHANGE					CHANGE	
					(A) - (B)	%				(A) - (B)	%
5.1	VOLUME	m³	598,568	598,568	0	0.0%	9,976,121	9,976,121	0	0.0%	
5.2	CUSTOMER CHG.	\$	7,232.74	7,232.74	0.00	0.0%	7,232.74	7,232.74	0.00	0.0%	
5.3	DISTRIBUTION CHG.	\$	14,315.63	14,286.30	29.33	0.2%	234,714.51	234,225.68	488.83	0.2%	
5.4	LOAD BALANCING	\$	26,902.27	26,902.27	0.00	0.0%	448,370.60	448,370.60	0.00	0.0%	
5.5	SALES COMMDTY	\$	53,505.74	53,505.74	0.00	0.0%	891,761.28	891,761.28	0.00	0.0%	
5.6	FEDERAL CARBON CHARGE	\$	35,135.94	23,404.01	11,731.93	50.1%	585,598.30	390,066.33	195,531.97	50.1%	
5.7	TOTAL SALES	\$	137,092.33	125,331.06	11,761.26	9.4%	2,167,677.43	1,971,656.63	196,020.80	9.9%	
5.8	TOTAL T-SERVICE	\$	83,586.58	71,825.32	11,761.26	16.4%	1,275,916.15	1,079,895.35	196,020.80	18.2%	
Rate 110 - Average Ind. Firm - 75% LF							Rate 115 - Large Ind. Firm - 80% LF				
			(A)	(B)	CHANGE					CHANGE	
					(A) - (B)	%				(A) - (B)	%
6.1	VOLUME	m³	9,976,120	9,976,120	0	0.0%	69,832,850	69,832,850	0	0.0%	
6.2	CUSTOMER CHG.	\$	7,232.74	7,232.74	0.00	0.0%	7,666.08	7,666.08	0.00	0.0%	
6.3	DISTRIBUTION CHG.	\$	186,620.69	186,131.86	488.83	0.3%	983,539.19	980,117.38	3,421.81	0.3%	
6.4	LOAD BALANCING	\$	448,370.56	448,370.56	0.00	0.0%	3,037,151.20	3,037,151.20	0.00	0.0%	
6.5	SALES COMMDTY	\$	891,761.19	891,761.19	0.00	0.0%	6,242,301.26	6,242,301.26	0.00	0.0%	
6.6	FEDERAL CARBON CHARGE	\$	585,598.24	390,066.29	195,531.95	50.1%	4,099,188.30	2,730,464.44	1,368,723.86	50.1%	
6.7	TOTAL SALES	\$	2,119,583.42	1,923,562.64	196,020.78	10.2%	14,369,846.02	12,997,700.35	1,372,145.67	10.6%	
6.8	TOTAL T-SERVICE	\$	1,227,822.24	1,031,801.45	196,020.78	19.0%	8,127,544.76	6,755,399.09	1,372,145.67	20.3%	

EGD RATE ZONE

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

(A) EB-2019-0194 Inclusive of 2020 Federal Carbon Pricing vs (B) EB-2019-0194 Inclusive of 2019 Federal Carbon Pricing

Item No.			Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8
Rate 135 - Seasonal Firm							Rate 170 - Average Ind. Interr. - 50% LF			
			(A)	(B)	CHANGE		(A)	(B)	CHANGE	
					(A) - (B)	%			(A) - (B)	%
7.1	VOLUME	m³	598,567	598,567	0	0.0%	9,976,121	9,976,121	0	0.0%
7.2	CUSTOMER CHG.	\$	1,426.72	1,426.72	0.00	0.0%	3,445.65	3,445.65	0.00	0.0%
7.3	DISTRIBUTION CHG.	\$	10,947.60	10,918.27	29.33	0.3%	80,683.15	80,194.32	488.83	0.6%
7.4	LOAD BALANCING	\$	20,451.30	20,451.30	0.00	0.0%	327,588.67	327,588.67	0.00	0.0%
7.5	SALES COMMDTY	\$	53,548.58	53,548.58	0.00	0.0%	891,761.27	891,761.27	0.00	0.0%
7.6	FEDERAL CARBON CHARGE	\$	35,135.88	23,403.97	11,731.91	50.1%	585,598.30	390,066.33	195,531.97	50.1%
7.7	TOTAL SALES	\$	121,510.08	109,748.84	11,761.24	10.7%	1,889,077.04	1,693,056.24	196,020.80	11.6%
7.8	TOTAL T-SERVICE	\$	67,961.50	56,200.26	11,761.24	20.9%	997,315.77	801,294.97	196,020.80	24.5%
Rate 170 - Average Ind. Interr. - 75% LF							Rate 170 - Large Ind. Interr. - 75% LF			
			(A)	(B)	CHANGE		(A)	(B)	CHANGE	
					(A) - (B)	%			(A) - (B)	%
8.1	VOLUME	m³	9,976,120	9,976,120	0	0.0%	69,832,850	69,832,850	0	0.0%
8.2	CUSTOMER CHG.	\$	3,445.65	3,445.65	0.00	0.0%	3,445.65	3,445.65	0.00	0.0%
8.3	DISTRIBUTION CHG.	\$	73,310.35	72,821.52	488.83	0.7%	395,807.35	392,385.54	3,421.81	0.9%
8.4	LOAD BALANCING	\$	327,588.63	327,588.63	0.00	0.0%	2,293,120.77	2,293,120.77	0.00	0.0%
8.5	SALES COMMDTY	\$	891,761.18	891,761.18	0.00	0.0%	6,242,329.17	6,242,329.17	0.00	0.0%
8.6	FEDERAL CARBON CHARGE	\$	585,598.24	390,066.29	195,531.95	50.1%	4,099,188.30	2,730,464.44	1,368,723.86	50.1%
8.7	TOTAL SALES	\$	1,881,704.07	1,685,683.29	196,020.78	11.6%	13,033,891.24	11,661,745.57	1,372,145.67	11.8%
8.8	TOTAL T-SERVICE	\$	989,942.89	793,922.10	196,020.78	24.7%	6,791,562.07	5,419,416.40	1,372,145.67	25.3%

EGD RATE ZONE

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

(A) EB-2019-0194 Inclusive of 2020 Federal Carbon Pricing vs (B) EB-2019-0194 Inclusive of 2019 Federal Carbon Pricing

Item			Col. 1	Col. 2	Col. 3	Col. 4			Col. 5	Col. 6	Col. 7	Col. 8	
No.													
Heating & Water Htg.							Heating, Water Htg. & Other Uses						
			(A)	(B)	CHANGE					(A)	(B)	CHANGE	
					(A) - (B)	%						(A) - (B)	%
1.1	VOLUME	m³	3,064	3,064	0	0.0%				4,691	4,691	0	0.0%
1.2	CUSTOMER CHG.	\$	257.87	257.87	0.00	0.0%				257.87	257.87	0.00	0.0%
1.3	DISTRIBUTION CHG.	\$	264.70	264.55	0.15	0.1%				399.11	398.88	0.23	0.1%
1.4	LOAD BALANCING	§ \$	168.22	168.22	0.00	0.0%				257.55	257.55	0.00	0.0%
1.5	SALES COMMDTY	\$	274.98	274.98	0.00	0.0%				421.00	421.00	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	\$	965.77	965.62	0.15	0.0%				1,335.53	1,335.30	0.23	0.0%
1.8	TOTAL T-SERVICE	\$	690.79	690.64	0.15	0.0%				914.53	914.30	0.23	0.0%

		Heating Only					Heating & Water Htg.				
			(A)	(B)	CHANGE			(A)	(B)	CHANGE	
					(A) - (B)	%				(A) - (B)	%
2.1	VOLUME	m³	1,955	1,955	0	0.0%		2,005	2,005	0	0.0%
2.2	CUSTOMER CHG.	\$	257.87	257.87	0.00	0.0%		257.87	257.87	0.00	0.0%
2.3	DISTRIBUTION CHG.	\$	169.77	169.67	0.10	0.1%		176.63	176.54	0.10	0.1%
2.4	LOAD BALANCING	§ \$	107.33	107.33	0.00	0.0%		110.08	110.08	0.00	0.0%
2.5	SALES COMMDTY	\$	175.45	175.45	0.00	0.0%		179.94	179.94	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	\$	710.42	710.32	0.10	0.0%		724.52	724.42	0.10	0.0%
2.8	TOTAL T-SERVICE	\$	534.97	534.87	0.10	0.0%		544.58	544.48	0.10	0.0%

§ The Load Balancing Charge shown here includes proposed transportation charges

EGD RATE ZONE

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

(A) EB-2019-0194 Inclusive of 2020 Federal Carbon Pricing vs (B) EB-2019-0194 Inclusive of 2019 Federal Carbon Pricing

Item No.			Col. 1	Col. 2	Col. 3	Col. 4		Col. 5	Col. 6	Col. 7	Col. 8		
Heating, Pool Htg. & Other Uses							General & Water Htg.						
			(A)	(B)	CHANGE					(A)	(B)	CHANGE	
					(A) - (B)	%						(A) - (B)	%
3.1	VOLUME	m³	5,048	5,048	0	0.0%		1,081	1,081	0	0.0%		
3.2	CUSTOMER CHG.	\$	257.87	257.87	0.00	0.0%		257.87	257.87	0.00	0.0%		
3.3	DISTRIBUTION CHG.	\$	429.23	428.98	0.25	0.1%		99.67	99.61	0.05	0.1%		
3.4	LOAD BALANCING	§ \$	277.15	277.15	0.00	0.0%		59.35	59.35	0.00	0.0%		
3.5	SALES COMMDTY	\$	453.04	453.04	0.00	0.0%		97.02	97.02	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	\$	1,417.28	1,417.03	0.25	0.0%		513.90	513.84	0.05	0.0%		
3.8	TOTAL T-SERVICE	\$	964.24	964.00	0.25	0.0%		416.88	416.83	0.05	0.0%		
Heating & Water Htg.							Heating & Water Htg.						
			(A)	(B)	CHANGE					(A)	(B)	CHANGE	
					(A) - (B)	%						(A) - (B)	%
4.1	VOLUME	m³	2,480	2,480	0	0.0%		2,400	2,400	0	0.0%		
4.2	CUSTOMER CHG.	\$	257.87	257.87	0.00	0.0%		257.87	257.87	0.00	0.0%		
4.3	DISTRIBUTION CHG.	\$	216.11	215.99	0.12	0.1%		209.19	209.08	0.12	0.1%		
4.4	LOAD BALANCING	§ \$	136.16	136.16	0.00	0.0%		131.77	131.77	0.00	0.0%		
4.5	SALES COMMDTY	\$	222.57	222.57	0.00	0.0%		215.39	215.39	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	\$	832.71	832.59	0.12	0.0%		814.22	814.10	0.12	0.0%		
4.8	TOTAL T-SERVICE	\$	610.14	610.02	0.12	0.0%		598.83	598.71	0.12	0.0%		

§ The Load Balancing Charge shown here includes proposed transportation charges

EGD RATE ZONE

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

(A) EB-2019-0194 Inclusive of 2020 Federal Carbon Pricing vs (B) EB-2019-0194 Inclusive of 2019 Federal Carbon Pricing

Item No.			Col. 1	Col. 2	Col. 3	Col. 4		Col. 5	Col. 6	Col. 7	Col. 8		
Commercial Heating & Other Uses							Com. Htg., Air Cond'ng & Other Uses						
			(A)	(B)	CHANGE					(A)	(B)	CHANGE	
					(A) - (B)	%						(A) - (B)	%
1.1	VOLUME	m³	22,606	22,606	0	0.0%		29,278	29,278	0	0.0%		
1.2	CUSTOMER CHG.	\$	872.53	872.53	0.00	0.0%		872.53	872.53	0.00	0.0%		
1.3	DISTRIBUTION CHG.	\$	1,547.34	1,546.23	1.11	0.1%		1,985.42	1,983.98	1.43	0.1%		
1.4	LOAD BALANCING	§ \$	1,221.83	1,221.83	0.00	0.0%		1,582.44	1,582.44	0.00	0.0%		
1.5	SALES COMMDTY	\$	2,033.73	2,033.73	0.00	0.0%		2,633.97	2,633.97	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	\$	5,675.43	5,674.32	1.11	0.0%		7,074.36	7,072.93	1.43	0.0%		
1.8	TOTAL T-SERVICE	\$	3,641.70	3,640.59	1.11	0.0%		4,440.39	4,438.95	1.43	0.0%		
Medium Commercial Customer							Large Commercial Customer						
			(A)	(B)	CHANGE					(A)	(B)	CHANGE	
					(A) - (B)	%						(A) - (B)	%
2.1	VOLUME	m³	169,563	169,563	0	0.0%		339,125	339,125	0	0.0%		
2.2	CUSTOMER CHG.	\$	872.53	872.53	0.00	0.0%		872.53	872.53	0.00	0.0%		
2.3	DISTRIBUTION CHG.	\$	8,349.65	8,341.34	8.31	0.1%		15,297.72	15,281.11	16.62	0.1%		
2.4	LOAD BALANCING	§ \$	9,164.66	9,164.66	0.00	0.0%		18,329.27	18,329.27	0.00	0.0%		
2.5	SALES COMMDTY	\$	15,254.61	15,254.61	0.00	0.0%		30,509.14	30,509.14	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	\$	33,641.46	33,633.15	8.31	0.0%		65,008.67	64,992.05	16.62	0.0%		
2.8	TOTAL T-SERVICE	\$	18,386.84	18,378.53	8.31	0.0%		34,499.53	34,482.91	16.62	0.0%		

§ The Load Balancing Charge shown here includes proposed transportation charges

EGD RATE ZONE

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

(A) EB-2019-0194 Inclusive of 2020 Federal Carbon Pricing vs (B) EB-2019-0194 Inclusive of 2019 Federal Carbon Pricing

Item No.			Col. 1	Col. 2	Col. 3	Col. 4		Col. 5	Col. 6	Col. 7	Col. 8		
Industrial General Use							Industrial Heating & Other Uses						
			(A)	(B)	CHANGE					(A)	(B)	CHANGE	
					(A) - (B)	%						(A) - (B)	%
3.1	VOLUME	m³	43,285	43,285	0	0.0%		63,903	63,903	0	0.0%		
3.2	CUSTOMER CHG.	\$	872.53	872.53	0.00	0.0%		872.53	872.53	0.00	0.0%		
3.3	DISTRIBUTION CHG.	\$	2,744.33	2,742.21	2.12	0.1%		3,682.76	3,679.63	3.13	0.1%		
3.4	LOAD BALANCING	§ \$	2,339.50	2,339.50	0.00	0.0%		3,453.88	3,453.88	0.00	0.0%		
3.5	SALES COMMDTY	\$	3,894.10	3,894.10	0.00	0.0%		5,748.99	5,748.99	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	\$	9,850.47	9,848.35	2.12	0.0%		13,758.16	13,755.03	3.13	0.0%		
3.8	TOTAL T-SERVICE	\$	5,956.37	5,954.25	2.12	0.0%		8,009.17	8,006.04	3.13	0.0%		
Medium Industrial Customer							Large Industrial Customer						
			(A)	(B)	CHANGE					(A)	(B)	CHANGE	
					(A) - (B)	%						(A) - (B)	%
4.1	VOLUME	m³	169,563	169,563	0	0.0%		339,124	339,124	0	0.0%		
4.2	CUSTOMER CHG.	\$	872.53	872.53	0.00	0.0%		872.53	872.53	0.00	0.0%		
4.3	DISTRIBUTION CHG.	\$	8,549.01	8,540.70	8.31	0.1%		15,446.06	15,429.44	16.62	0.1%		
4.4	LOAD BALANCING	§ \$	9,164.66	9,164.66	0.00	0.0%		18,329.22	18,329.22	0.00	0.0%		
4.5	SALES COMMDTY	\$	15,254.61	15,254.61	0.00	0.0%		30,509.05	30,509.05	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	\$	33,840.82	33,832.51	8.31	0.0%		65,156.86	65,140.24	16.62	0.0%		
4.8	TOTAL T-SERVICE	\$	18,586.20	18,577.90	8.31	0.0%		34,647.81	34,631.19	16.62	0.0%		

§ The Load Balancing Charge shown here includes proposed transportation charges

EGD RATE ZONE

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

(A) EB-2019-0194 Inclusive of 2020 Federal Carbon Pricing vs (B) EB-2019-0194 Inclusive of 2019 Federal Carbon Pricing

Item No.			Col. 1	Col. 2	Col. 3	Col. 4		Col. 5	Col. 6	Col. 7	Col. 8	
Rate 100 - Small Commercial Firm							Rate 100 - Average Commercial Firm					
			(A)	(B)	CHANGE					(A)	(B)	CHANGE
					(A) - (B)	%				(A) - (B)	%	
1.1	VOLUME	m³	339,188	339,188	0	0.0%		598,567	598,567	0	0.0%	
1.2	CUSTOMER CHG.	\$	1,511.91	1,511.91	0.00	0.0%		1,511.91	1,511.91	0.00	0.0%	
1.3	DISTRIBUTION CHG.	\$	13,867.15	13,850.53	16.62	0.1%		67,480.51	67,451.18	29.33	0.0%	
1.4	LOAD BALANCING	\$	18,333.80	18,333.80	0.00	0.0%		32,353.77	32,353.77	0.00	0.0%	
1.5	SALES COMMDTY	\$	30,514.80	30,514.80	0.00	0.0%		53,849.64	53,849.64	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	\$	64,227.67	64,211.05	16.62	0.0%		155,195.83	155,166.50	29.33	0.0%	
1.8	TOTAL T-SERVICE	\$	33,712.86	33,696.24	16.62	0.0%		101,346.19	101,316.86	29.33	0.0%	
Rate 100 - Large Industrial Firm												
			(A)	(B)	CHANGE							
					(A) - (B)	%						
2.1	VOLUME	m³	1,500,000	1,500,000	0	0.0%						
2.2	CUSTOMER CHG.	\$	1,511.91	1,511.91	0.00	0.0%						
2.3	DISTRIBUTION CHG.	\$	135,515.80	135,442.30	73.50	0.1%						
2.4	LOAD BALANCING	\$	81,078.05	81,078.05	0.00	0.0%						
2.5	SALES COMMDTY	\$	134,946.41	134,946.41	0.00	0.0%						
2.6	FEDERAL CARBON CHARGE	\$	0.00	0.00	0.00	0.0%						
2.7	TOTAL SALES	\$	353,052.18	352,978.68	73.50	0.0%						
2.8	TOTAL T-SERVICE	\$	218,105.77	218,032.27	73.50	0.0%						

EGD RATE ZONE

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

(A) EB-2019-0194 Inclusive of 2020 Federal Carbon Pricing vs (B) EB-2019-0194 Inclusive of 2019 Federal Carbon Pricing

Item No.			Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8
Rate 145 - Small Commercial Interr.							Rate 145 - Average Commercial Interr.			
			(A)	(B)	CHANGE		(A)	(B)	CHANGE	
					(A) - (B)	%			(A) - (B)	%
3.1	VOLUME	m³	339,188	339,188	0	0.0%	598,568	598,568	0	0.0%
3.2	CUSTOMER CHG.	\$	1,528.26	1,528.26	0.00	0.0%	1,528.26	1,528.26	0.00	0.0%
3.3	DISTRIBUTION CHG.	\$	12,551.22	12,534.60	16.62	0.1%	19,043.96	19,014.63	29.33	0.2%
3.4	LOAD BALANCING	\$	14,385.58	14,385.58	0.00	0.0%	25,386.71	25,386.71	0.00	0.0%
3.5	SALES COMMDTY	\$	30,332.38	30,332.38	0.00	0.0%	53,527.82	53,527.82	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	\$	58,797.45	58,780.83	16.62	0.0%	99,486.76	99,457.43	29.33	0.0%
3.8	TOTAL T-SERVICE	\$	28,465.07	28,448.44	16.62	0.1%	45,958.94	45,929.61	29.33	0.1%
Rate 145 - Small Industrial Interr.							Rate 145 - Average Industrial Interr.			
			(A)	(B)	CHANGE		(A)	(B)	CHANGE	
					(A) - (B)	%			(A) - (B)	%
4.1	VOLUME	m³	339,188	339,188	0	0.0%	598,567	598,567	0	0.0%
4.2	CUSTOMER CHG.	\$	1,528.26	1,528.26	0.00	0.0%	1,528.26	1,528.26	0.00	0.0%
4.3	DISTRIBUTION CHG.	\$	12,827.01	12,810.39	16.62	0.1%	19,288.11	19,258.78	29.33	0.2%
4.4	LOAD BALANCING	\$	14,385.58	14,385.58	0.00	0.0%	25,386.66	25,386.66	0.00	0.0%
4.5	SALES COMMDTY	\$	30,332.38	30,332.38	0.00	0.0%	53,527.73	53,527.73	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	\$	59,073.24	59,056.62	16.62	0.0%	99,730.77	99,701.44	29.33	0.0%
4.8	TOTAL T-SERVICE	\$	28,740.86	28,724.24	16.62	0.1%	46,203.04	46,173.71	29.33	0.1%

EGD RATE ZONE

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

(A) EB-2019-0194 Inclusive of 2020 Federal Carbon Pricing vs (B) EB-2019-0194 Inclusive of 2019 Federal Carbon Pricing

Item No.			Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8
Rate 110 - Small Ind. Firm - 50% LF							Rate 110 - Average Ind. Firm - 50% LF			
			(A)	(B)	CHANGE		(A)	(B)	CHANGE	
					(A) - (B)	%			(A) - (B)	%
5.1	VOLUME	m³	598,568	598,568	0	0.0%	9,976,121	9,976,121	0	0.0%
5.2	CUSTOMER CHG.	\$	7,232.74	7,232.74	0.00	0.0%	7,232.74	7,232.74	0.00	0.0%
5.3	DISTRIBUTION CHG.	\$	14,315.63	14,286.30	29.33	0.2%	234,714.51	234,225.68	488.83	0.2%
5.4	LOAD BALANCING	\$	26,902.27	26,902.27	0.00	0.0%	448,370.60	448,370.60	0.00	0.0%
5.5	SALES COMMDTY	\$	53,505.74	53,505.74	0.00	0.0%	891,761.28	891,761.28	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	\$	101,956.38	101,927.05	29.33	0.0%	1,582,079.13	1,581,590.30	488.83	0.0%
5.8	TOTAL T-SERVICE	\$	48,450.64	48,421.31	29.33	0.1%	690,317.85	689,829.02	488.83	0.1%
Rate 110 - Average Ind. Firm - 75% LF							Rate 115 - Large Ind. Firm - 80% LF			
			(A)	(B)	CHANGE		(A)	(B)	CHANGE	
					(A) - (B)	%			(A) - (B)	%
6.1	VOLUME	m³	9,976,120	9,976,120	0	0.0%	69,832,850	69,832,850	0	0.0%
6.2	CUSTOMER CHG.	\$	7,232.74	7,232.74	0.00	0.0%	7,666.08	7,666.08	0.00	0.0%
6.3	DISTRIBUTION CHG.	\$	186,620.69	186,131.86	488.83	0.3%	983,539.19	980,117.38	3,421.81	0.3%
6.4	LOAD BALANCING	\$	448,370.56	448,370.56	0.00	0.0%	3,037,151.20	3,037,151.20	0.00	0.0%
6.5	SALES COMMDTY	\$	891,761.19	891,761.19	0.00	0.0%	6,242,301.26	6,242,301.26	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	\$	1,533,985.18	1,533,496.35	488.83	0.0%	10,270,657.72	10,267,235.91	3,421.81	0.0%
6.8	TOTAL T-SERVICE	\$	642,223.99	641,735.16	488.83	0.1%	4,028,356.47	4,024,934.66	3,421.81	0.1%

EGD RATE ZONE

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

(A) EB-2019-0194 Inclusive of 2020 Federal Carbon Pricing vs (B) EB-2019-0194 Inclusive of 2019 Federal Carbon Pricing

Item No.			Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	
Rate 135 - Seasonal Firm							Rate 170 - Average Ind. Interr. - 50% LF				
			(A)	(B)	CHANGE		(A)			(B)	CHANGE
					(A) - (B)	%				(A) - (B)	%
7.1	VOLUME	m³	598,567	598,567	0	0.0%	9,976,121	9,976,121	0	0.0%	
7.2	CUSTOMER CHG.	\$	1,426.72	1,426.72	0.00	0.0%	3,445.65	3,445.65	0.00	0.0%	
7.3	DISTRIBUTION CHG.	\$	10,947.60	10,918.27	29.33	0.3%	80,683.15	80,194.32	488.83	0.6%	
7.4	LOAD BALANCING	\$	20,451.30	20,451.30	0.00	0.0%	327,588.67	327,588.67	0.00	0.0%	
7.5	SALES COMMDTY	\$	53,548.58	53,548.58	0.00	0.0%	891,761.27	891,761.27	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	\$	86,374.20	86,344.87	29.33	0.0%	1,303,478.74	1,302,989.91	488.83	0.0%	
7.8	TOTAL T-SERVICE	\$	32,825.62	32,796.29	29.33	0.1%	411,717.47	411,228.64	488.83	0.1%	
Rate 170 - Average Ind. Interr. - 75% LF							Rate 170 - Large Ind. Interr. - 75% LF				
			(A)	(B)	CHANGE		(A)			(B)	CHANGE
					(A) - (B)	%				(A) - (B)	%
8.1	VOLUME	m³	9,976,120	9,976,120	0	0.0%	69,832,850	69,832,850	0	0.0%	
8.2	CUSTOMER CHG.	\$	3,445.65	3,445.65	0.00	0.0%	3,445.65	3,445.65	0.00	0.0%	
8.3	DISTRIBUTION CHG.	\$	73,310.35	72,821.52	488.83	0.7%	395,807.35	392,385.54	3,421.81	0.9%	
8.4	LOAD BALANCING	\$	327,588.63	327,588.63	0.00	0.0%	2,293,120.77	2,293,120.77	0.00	0.0%	
8.5	SALES COMMDTY	\$	891,761.18	891,761.18	0.00	0.0%	6,242,329.17	6,242,329.17	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	\$	1,296,105.83	1,295,617.00	488.83	0.0%	8,934,702.95	8,931,281.14	3,421.81	0.0%	
8.8	TOTAL T-SERVICE	\$	404,344.64	403,855.81	488.83	0.1%	2,692,373.78	2,688,951.97	3,421.81	0.1%	

EGD RATE ZONE**TABLE 5: SUMMARY OF 2019 FEDERAL CARBON DEFERRAL AND VARIANCE ACCOUNTS**

		Col. 1	Col. 2	Col. 3	Col. 4
Line	Rate	Federal Carbon Charge - Customer Variance Account ¹	Federal Carbon Charge - Facility Variance Account ²	Greenhouse Gas Emissions Administration Deferral Account ³	Total
		(\$)	(\$)	(\$)	(Col. 1 + Col. 2 + Col. 3) (\$)
1.1	Balance	87,738,001	85,381	994,035	88,817,418
1.2	Interest	1,526,489	1,168	16,411	1,544,068
1	Total	89,264,490	86,550	1,010,446	90,361,486

Notes:

(1) Exhibit C, Page 10, Line 7

(2) Exhibit C, Page 11, Table C-2

(3) Exhibit C, Page 5, Table C-1

EGD RATE ZONE

TABLE 6: SUMMARY OF ALLOCATION OF 2019 FEDERAL CARBON DEFERRAL AND VARIANCE ACCOUNTS

		Col. 1	Col. 2	Col. 3	Col. 4
Line	Rate	Federal Carbon Charge - Customer Variance Account ¹	Federal Carbon Charge - Facility Variance Account ²	Greenhouse Gas Emissions Administration Deferral Account ³	Total
		(\$)	(\$)	(\$)	(Col. 1 + Col. 2 + Col. 3) (\$)
1.1	1	39,997,194	29,626	933,746	40,960,566
1.2	6	38,130,717	29,336	76,502	38,236,555
1.3	9	130	0	1	131
1.4	100	91,824	68	2	91,894
1.5	110	7,239,779	7,517	138	7,247,434
1.6	115	1,163,344	4,213	10	1,167,568
1.7	125	0	5,940	2	5,942
1.8	135	955,228	708	20	955,956
1.9	145	229,608	228	12	229,848
1.10	170	1,453,299	2,435	11	1,455,745
1.11	200	0	1,170	0	1,171
1.12	300	3,367	2	0	3,370
1.13	315	0	0	0	0
1.14	332	0	5,307	0	5,307
1	Total	89,264,490	86,550	1,010,446	90,361,486

Notes:

(1) Exhibit D, Tab 1, Schedule 4, Page 1, Table 7

(2) Exhibit D, Tab 1, Schedule 4, Page 2, Table 8

(3) Exhibit D, Tab 1, Schedule 4, Page 3, Table 9

EGD RATE ZONE

TABLE 7: 2019 FEDERAL CARBON CHARGE - CUSTOMER VARIANCE ACCOUNT CLEARANCE UNIT RATES

		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8
Line	Rate	Balance to be Cleared ¹	Interest ²	Total Balance to be Cleared ³	Actual Volumes Excluding OBPS Participant & Other Exempt Volumes (Apr - Jul 2019)	Total Unit Rate	Unit Rate per Month		
							April 2020	May 2020	June 2020
				(Col. 1 + Col. 2)		(Col. 3 / Col. 4)	(Col. 5 / 3)	(Col. 5 / 3)	(Col. 5 / 3)
		(\$)	(\$)	(\$)	(10 ³ m ³)	(¢/m ³)	(¢/m ³)	(¢/m ³)	(¢/m ³)
1.1	1	39,313,212	683,982	39,997,194	1,005,453	3.9780	1.3260	1.3260	1.3260
1.2	6	37,478,654	652,063	38,130,717	958,533	3.9780	1.3260	1.3260	1.3260
1.3	9	128	2	130	3	3.9780	1.3260	1.3260	1.3260
1.4	100	90,254	1,570	91,824	2,308	3.9780	1.3260	1.3260	1.3260
1.5	110	7,115,974	123,806	7,239,779	181,994	3.9780	1.3260	1.3260	1.3260
1.6	115	1,143,450	19,894	1,163,344	29,244	3.9780	1.3260	1.3260	1.3260
1.7	125	0	0	0	0	0.0000	0.0000	0.0000	0.0000
1.8	135	938,893	16,335	955,228	24,013	3.9780	1.3260	1.3260	1.3260
1.9	145	225,681	3,926	229,608	5,772	3.9780	1.3260	1.3260	1.3260
1.10	170	1,428,447	24,852	1,453,299	36,533	3.9780	1.3260	1.3260	1.3260
1.11	200	0	0	0	0	0.0000	0.0000	0.0000	0.0000
1.12	300	3,309	58	3,367	85	3.9780	1.3260	1.3260	1.3260
1.13	315	0	0	0	0	0.0000	0.0000	0.0000	0.0000
1.14	332	0	0	0	0	0.0000	0.0000	0.0000	0.0000
1	Total	87,738,001	1,526,489	89,264,490	2,243,939				

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 1, Schedule 3, Page 1, Line 1, Col. 1

EGD RATE ZONE

TABLE 8: 2019 FEDERAL CARBON CHARGE - FACILITY VARIANCE ACCOUNT CLEARANCE UNIT RATES

		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8
Line	Rate	Balance to be Cleared ¹	Interest ²	Total Balance to be Cleared ³	Actual Volumes (Apr - Jul 2019)	Total Unit Rate	Unit Rate per Month		
							April 2020	May 2020	June 2020
				(Col. 1 + Col. 2)		(Col. 3 / Col. 4)	(Col. 5 / 3)	(Col. 5 / 3)	(Col. 5 / 3)
		(\$)	(\$)	(\$)	(10 ³ m ³)	(¢/m ³)	(¢/m ³)	(¢/m ³)	(¢/m ³)
1.1	1	29,226	400	29,626	1,005,473	0.0029	0.0010	0.0010	0.0010
1.2	6	28,940	396	29,336	995,622	0.0029	0.0010	0.0010	0.0010
1.3	9	0	0	0	3	0.0029	0.0010	0.0010	0.0010
1.4	100	67	1	68	2,308	0.0029	0.0010	0.0010	0.0010
1.5	110	7,416	101	7,517	255,120	0.0029	0.0010	0.0010	0.0010
1.6	115	4,157	57	4,213	143,001	0.0029	0.0010	0.0010	0.0010
1.7	125	5,860	80	5,940	201,590	0.0029	0.0010	0.0010	0.0010
1.8	135	698	10	708	24,013	0.0029	0.0010	0.0010	0.0010
1.9	145	225	3	228	7,735	0.0029	0.0010	0.0010	0.0010
1.10	170	2,402	33	2,435	82,629	0.0029	0.0010	0.0010	0.0010
1.11	200	1,154	16	1,170	39,715	0.0029	0.0010	0.0010	0.0010
1.12	300	2	0	2	85	0.0029	0.0010	0.0010	0.0010
1.13	315	0	0	0	0	0.0000	0.0000	0.0000	0.0000
1.14	332	5,235	72	5,307	180,115	0.0029	0.0010	0.0010	0.0010
1	Total	85,381	1,168	86,550	2,937,408				

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 1, Schedule 3, Page 1, Line 1, Col. 2

EGD RATE ZONE

TABLE 9: 2019 GREENHOUSE GAS EMISSIONS ADMINISTRATION DEFERRAL ACCOUNT CLEARANCE UNIT RATES

		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	Col. 9
Line	Rate	2019 Number of Customers	Balance to be Cleared ¹	Interest ²	Total Balance to be Cleared ³	Actual Volumes (Apr - Jul 2019)	Total Unit Rate	Unit Rate per Month		
								April 2020	May 2020	June 2020
			(\$)	(\$)	(Col. 2 + Col. 3) (\$)	(10 ³ m ³)	(Col. 4 / Col. 5) (¢/m ³)	(Col. 6 / 3) (¢/m ³)	(Col. 6 / 3) (¢/m ³)	(Col. 6 / 3) (¢/m ³)
1.1	1	2,047,063	918,580	15,166	933,746	1,005,473	0.0929	0.0310	0.0310	0.0310
1.2	6	167,717	75,260	1,243	76,502	995,622	0.0077	0.0026	0.0026	0.0026
1.3	9	2	1	0	1	3	0.0279	0.0093	0.0093	0.0093
1.4	100	4	2	0	2	2,308	0.0001	0.0000	0.0000	0.0000
1.5	110	302	136	2	138	255,120	0.0001	0.0000	0.0000	0.0000
1.6	115	23	10	0	10	143,001	0.0000	0.0000	0.0000	0.0000
1.7	125	4	2	0	2	201,590	0.0000	0.0000	0.0000	0.0000
1.8	135	44	20	0	20	24,013	0.0001	0.0000	0.0000	0.0000
1.9	145	26	12	0	12	7,735	0.0002	0.0001	0.0001	0.0001
1.10	170	25	11	0	11	82,629	0.0000	0.0000	0.0000	0.0000
1.11	200	1	0	0	0.46	39,715	0.0000	0.0000	0.0000	0.0000
1.12	300	1	0	0	0.46	85	0.0005	0.0002	0.0002	0.0002
1.13	315	1	0	0	0.46	0	0.0000	0.0000	0.0000	0.0000
1.14	332	1	0	0	0.46	180,115	0.0000	0.0000	0.0000	0.0000
1	Total	2,215,214	994,035	16,411	1,010,446	2,937,408				

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 1, Schedule 3, Page 1, Line 1, Col. 3

EGD RATE ZONE

TABLE 10: 2019 FEDERAL CARBON DEFERRAL AND VARIANCE ACCOUNT CLEARANCE
UNIT RATE SUMMARY BY RATE CLASS

The following adjustment is applicable to consumption volumes for the period April 1, 2019 to July 31, 2019.

Rate Class	Non-OBPS				OBPS ¹			
	Total (¢/m ³)	Apr-20 (¢/m ³)	May-20 (¢/m ³)	Jun-20 (¢/m ³)	Total (¢/m ³)	Apr-20 (¢/m ³)	May-20 (¢/m ³)	Jun-20 (¢/m ³)
Rate 1	4.0738	1.3579	1.3579	1.3579	0.0958	0.0319	0.0319	0.0319
Rate 6	3.9887	1.3296	1.3296	1.3296	0.0106	0.0035	0.0035	0.0035
Rate 9	4.0089	1.3363	1.3363	1.3363	0.0309	0.0103	0.0103	0.0103
Rate 100	3.9811	1.3270	1.3270	1.3270	0.0030	0.0010	0.0010	0.0010
Rate 110	3.9810	1.3270	1.3270	1.3270	0.0030	0.0010	0.0010	0.0010
Rate 115	3.9810	1.3270	1.3270	1.3270	0.0030	0.0010	0.0010	0.0010
Rate 125	0.0029	0.0010	0.0010	0.0010	0.0029	0.0010	0.0010	0.0010
Rate 135	3.9811	1.3270	1.3270	1.3270	0.0030	0.0010	0.0010	0.0010
Rate 145	3.9811	1.3270	1.3270	1.3270	0.0031	0.0010	0.0010	0.0010
Rate 170	3.9810	1.3270	1.3270	1.3270	0.0030	0.0010	0.0010	0.0010
Rate 200	0.0029	0.0010	0.0010	0.0010	0.0029	0.0010	0.0010	0.0010
Rate 300	3.9815	1.3272	1.3272	1.3272	0.0035	0.0012	0.0012	0.0012
Rate 300 Interruptible	3.9815	1.3272	1.3272	1.3272	0.0035	0.0012	0.0012	0.0012
Rate 315	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Rate 332	0.0029	0.0010	0.0010	0.0010	0.0029	0.0010	0.0010	0.0010

(1) Includes Voluntary Participants and Other Exempt Gas Volumes

EGD RATE ZONE

TABLE 11: 2019 FEDERAL CARBON DEFERRAL AND VARIANCE ACCOUNT CLEARANCE
UNIT RATE BREAKDOWN BY RATE CLASS

The following adjustment is applicable to consumption volumes for the period April 1, 2019 to July 31, 2019.

Rate Class		Non-OBPS (¢/m ³)	OBPS ¹ (¢/m ³)
Rate 1	Customer-Related	3.9780	
	Facility-Related	0.0029	0.0029
	<u>GGEADA</u>	<u>0.0929</u>	<u>0.0929</u>
	Total	4.0738	0.0958
Rate 6	Customer-Related	3.9780	
	Facility-Related	0.0029	0.0029
	<u>GGEADA</u>	<u>0.0077</u>	<u>0.0077</u>
	Total	3.9887	0.0106
Rate 9	Customer-Related	3.9780	
	Facility-Related	0.0029	0.0029
	<u>GGEADA</u>	<u>0.0279</u>	<u>0.0279</u>
	Total	4.0089	0.0309
Rate 100	Customer-Related	3.9780	
	Facility-Related	0.0029	0.0029
	<u>GGEADA</u>	<u>0.0001</u>	<u>0.0001</u>
	Total	3.9811	0.0030
Rate 110	Customer-Related	3.9780	
	Facility-Related	0.0029	0.0029
	<u>GGEADA</u>	<u>0.0001</u>	<u>0.0001</u>
	Total	3.9810	0.0030

Rate Class		Non-OBPS (¢/m ³)	OBPS ¹ (¢/m ³)
Rate 115	Customer-Related	3.9780	
	Facility-Related	0.0029	0.0029
	<u>GGEADA</u>	<u>0.0000</u>	<u>0.0000</u>
	Total	3.9810	0.0030
Rate 125	Customer-Related	0.0000	
	Facility-Related	0.0029	0.0029
	<u>GGEADA</u>	<u>0.0000</u>	<u>0.0000</u>
	Total	0.0029	0.0029
Rate 135	Customer-Related	3.9780	
	Facility-Related	0.0029	0.0029
	<u>GGEADA</u>	<u>0.0001</u>	<u>0.0001</u>
	Total	3.9811	0.0030
Rate 145	Customer-Related	3.9780	
	Facility-Related	0.0029	0.0029
	<u>GGEADA</u>	<u>0.0002</u>	<u>0.0002</u>
	Total	3.9811	0.0031
Rate 170	Customer-Related	3.9780	
	Facility-Related	0.0029	0.0029
	<u>GGEADA</u>	<u>0.0000</u>	<u>0.0000</u>
	Total	3.9810	0.0030
Rate 200	Customer-Related	0.0000	
	Facility-Related	0.0029	0.0029
	<u>GGEADA</u>	<u>0.0000</u>	<u>0.0000</u>
	Total	0.0029	0.0029

Rate Class		Non-OBPS (¢/m ³)	OBPS ¹ (¢/m ³)
Rate 300	Customer-Related	3.9780	
	Facility-Related	0.0029	0.0029
	<u>GGEADA</u>	<u>0.0005</u>	<u>0.0005</u>
	Total	3.9815	0.0035
Rate 300 Interruptible	Customer-Related	3.9780	
	Facility-Related	0.0029	0.0029
	<u>GGEADA</u>	<u>0.0005</u>	<u>0.0005</u>
	Total	3.9815	0.0035
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	0.0029	0.0029
	<u>GGEADA</u>	<u>0.0000</u>	<u>0.0000</u>
	Total	0.0029	0.0029

(1) Includes Voluntary Participants and Other Exempt Gas Volumes

EGD RATE ZONE

Filed: 2019-11-18

EB-2019-0247

Exhibit D

Tab 1

Schedule 5

Page 1 of 1

2019 FEDERAL CARBON DEFERRAL AND VARIANCE ACCOUNT CLEARANCE
Bill Adjustment for April to June 2020 for Typical Customers

Item No.	Col. 1	Col. 2	Col. 3	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-OBPS					Annual Bill Impact for OBPS				
		Annual	April to July 2019	Unit Rate	Total Adjustment	Proposed April 2020 Bill	Proposed April 2020 Bill Including Total Adjustment	% Impact	Unit Rate	Total Adjustment	Proposed April 2020 Bill	Proposed April 2020 Bill Including Total Adjustment	% Impact
		m ³	m ³	¢/m ³	\$	\$	\$	%	¢/m ³	\$	\$	\$	%
<u>GENERAL SERVICE</u>													
1.1	RATE 1 RESIDENTIAL												
1.2	Heating & Water Heating	2,400	530	4.0738	21.59	929.56	951.15	2.3%	0.0958	0.51	814.10	814.61	0.1%
2.1	RATE 6 COMMERCIAL												
2.2	General Use	43,285	12,401	3.9887	494.64	11,540.79	12,035.43	4.3%	0.0106	1.32	9,848.35	9,849.67	0.0%
<u>CONTRACT SERVICE</u>													
3.1	RATE 100												
3.2	Industrial - small size	339,188	86,194	3.9811	3,431.42	77,473.30	80,904.72	4.4%	0.0030	2.61	64,211.05	64,213.65	0.0%
4.1	RATE 110												
4.2	Industrial - small size, 50% LF	598,568	161,016	3.9810	6,410.07	125,331.06	131,741.14	5.1%	0.0030	4.83	101,927.05	101,931.89	0.0%
4.3	Industrial - avg. size, 75% LF	9,976,121	3,231,964	3.9810	128,665.39	1,923,562.64	2,052,228.03	6.7%	0.0030	96.97	1,533,496.35	1,533,593.32	0.0%
5.1	RATE 115												
5.2	Industrial - large size, 80% LF	69,832,850	17,195,041	3.9810	684,531.33	12,997,700.35	13,682,231.68	5.3%	0.0030	507.91	10,267,235.91	10,267,743.82	0.0%
6.1	RATE 135												
6.2	Industrial - Seasonal Firm	598,567	218,143	3.9811	8,684.39	109,748.84	118,433.23	7.9%	0.0030	6.61	86,344.87	86,351.48	0.0%
7.1	RATE 145												
7.2	Commercial - avg. size	598,568	130,788	3.9811	5,206.82	122,861.44	128,068.26	4.2%	0.0031	4.05	99,457.43	99,461.48	0.0%
8.1	RATE 170												
8.2	Industrial - avg. size, 75% LF	9,976,121	3,231,964	3.9810	128,664.09	1,685,683.29	1,814,347.38	7.6%	0.0030	95.67	1,295,617.00	1,295,712.67	0.0%

Notes:

Col. 5 = Col. 3 x Col. 4 / 100

Col. 6 is the proposed 2020 annual bill for Sales Service customer from EB-2019-0194, Exhibit D, Tab 1, Rate Order, Working Papers, Schedule 3.2

Col. 7 = Col. 5 + Col. 6

Col. 8 = Col. 5 / Col. 6

Col. 10 = Col. 3 x Col. 9 / 100

Col. 11 is the proposed 2020 annual bill for Sales Service customer from EB-2019-0194, Exhibit D, Tab 1, Rate Order, Working Papers, Schedule 3.3

Col. 12 = Col. 10 + Col. 11

Col. 13 = Col. 10 / Col. 11

Union Rate Zones

UNION RATE ZONES
2020 Customer-Related Volumes and Derivation of Federal Carbon Charge Unit Rate
Effective April 1, 2020

Line No	Rate Class	Forecast Volumes (10 ³ m ³) (1) (a)	Less: Transportation Volumes (10 ³ m ³) (b)	Customer-Related Forecast Volumes (10 ³ m ³) (2) (c) = (a - b)	OBPS Participant & Other Exempt Volumes (10 ³ m ³) (3) (d)	Net Volumes (10 ³ m ³) (e) = (c - d)	Federal Carbon Charge (\$/m ³) (4) (f)	Federal Carbon Cost (\$) (g) = (e * f * 1000)	Federal Carbon Charge Unit Rate (¢/m ³) (h) = (g/(e*1000))*100
Union South In-Franchise Delivery									
1	Rate M1	3,107,706	-	3,107,706	2,163	3,105,543	0.0587	182,295,374	
2	Rate M2	1,317,238	-	1,317,238	93,012	1,224,226	0.0587	71,862,066	
3	Rate M4	665,966	-	665,966	313,952	352,014	0.0587	20,663,222	
4	Rate M5	72,092	-	72,092	28,162	43,930	0.0587	2,578,691	
5	Rate M7	513,052	-	513,052	330,323	182,729	0.0587	10,726,192	
6	Rate M9	79,729	-	79,729	79,729	0	0.0587	0	
7	Rate M10	1,247	-	1,247	1,247	0	0.0587	0	
8	Rate T1	444,688	-	444,688	200,633	244,055	0.0587	14,326,029	
9	Rate T2	3,995,387	-	3,995,387	3,829,979	165,408	0.0587	9,709,450	
10	Rate T3	278,781	-	278,781	278,781	0	0.0587	0	
11	Total Union South In-Franchise	10,475,886	-	10,475,886	5,157,981	5,317,905		312,161,024	
Union North In-Franchise Delivery									
12	Rate 01	1,008,455	-	1,008,455	210	1,008,245	0.0587	59,183,982	
13	Rate 10	360,991	-	360,991	11,985	349,006	0.0587	20,486,652	
14	Rate 20	699,920	-	699,920	522,792	177,128	0.0587	10,397,414	
15	Rate 25	40,491	-	40,491	28,831	11,660	0.0587	684,442	
16	Rate 100	1,076,404	-	1,076,404	1,076,404	0	0.0587	0	
17	Total Union North In-Franchise	3,186,261	-	3,186,261	1,640,222	1,546,039		90,752,489	
18	Total In-Franchise	13,662,147	-	13,662,147	6,798,203	6,863,944		402,913,513	
Ex-Franchise									
19	Rate M12 - Firm Transportation	18,413,865	18,413,865	-	-	-	0.0587	-	
20	Rate M13	75,787	75,787	-	-	-	0.0587	-	
21	Rate M16	249,176	249,176	-	-	-	0.0587	-	
22	Rate C1 - Firm Transportation	7,065,610	7,065,610	-	-	-	0.0587	-	
23	Total Ex-Franchise	25,804,439	25,804,439	-	-	-		-	
24	Total In-Franchise & Ex-Franchise	39,466,586	25,804,439	13,662,147	6,798,203	6,863,944		402,913,513	5.8700

Notes:

- (1) Exhibit B, Tab 2, Schedule 1, Col. 1 + ex-franchise forecast volumes.
- (2) Exhibit B, Tab 2, Schedule 1, Col. 1.
- (3) Exhibit B, Tab 2, Schedule 1, Col. 2.
- (4) Exhibit B, Tab 2, Schedule 5, Line 2.

UNION RATE ZONES
2020 Facility-Related Volumes and Derivation of Facility Carbon Charge Unit Rate
Effective April 1, 2020

Line No.	Particulars	Forecast Volumes (10 ³ m ³) (1) (a)	Federal Carbon Charge (\$/m ³) (2) (b)	Facility Carbon Cost (\$) (c)	Facility Carbon Charge Unit Rate (¢/m ³) (d)
	Company Use				
1	Buildings	1,550			
2	Boilers/Line Heaters	9,024			
3	NGV Fleet	-			
4	Tota Company Use	10,574	0.0587	620,694 (3)	
5	Compressor Fuel	130,489		2,848,313 (4)	
6	Total	141,063		3,469,007	0.0088 (5)

Notes:

- (1) Exhibit B, Tab 2, Schedule 2, Col 1.
The Company Use volume is for April 1, 2020 to March 31, 2021 and the Compressor Fuel volume is for January 1 to December 31, 2020.
- (2) Exhibit B, Tab 2, Schedule 5, Line 5.
- (3) Exhibit B, Tab 2, Schedule 5, Line 6. The Company Use cost is for April 1, 2020 to March 31, 2021.
- (4) Exhibit B, Tab 2, Schedule 5, Line 11. The Compressor Fuel cost is for January 1 to December 31, 2020.
- (5) Total Facility Carbon Cost / Total Forecast Volumes = [column (c) / (Exhibit D, Tab 2, Schedule 1, p. 1, line 24, column (a) x 1000)] x 100.

UNION RATE ZONES
2020 Carbon Charge Unit Rate Summary
Effective April 1, 2020

Line No.	Particulars (¢/m ³)	Unit Rate (a)
1	Federal Carbon Charge	5.8700 (1)
2	Facility Carbon Charge	0.0088 (2)
3	Total (line 1 + line 2)	<u>5.8788</u>

Notes:

- (1) Exhibit D, Tab 2, Schedule 1, p. 1, line 24, column (h).
(2) Exhibit D, Tab 2, Schedule 1, p. 2, line 6, column (d).

UNION RATE ZONES
Union South
General Service Customer Bill Impacts

Line No.	Particulars	Rate M1 - Residential (Annual Consumption of 2,200 m³)			Rate M2 - Commercial (Annual Consumption of 73,000 m³)		
		EB-2019-0194 Proposed 1-Jan-20 Total Bill (\$) (1) (a)	EB-2019-0247 Proposed 1-Apr-20 Total Bill (\$) (1) (b)	Impact (\$) (c) = (b) - (a)	EB-2019-0194 Proposed 1-Jan-20 Total Bill (\$) (1) (d)	EB-2019-0247 Proposed 1-Apr-20 Total Bill (\$) (1) (e)	Impact (\$) (f) = (e) - (d)
	<u>Delivery Charges</u>						
1	Monthly Charge	270.12	270.12	-	872.52	872.52	-
2	Delivery Commodity Charge	111.80	111.82	0.02	3,433.46	3,433.77	0.31
3	Storage Services	16.93	16.93	-	490.00	490.00	-
4	Total Delivery Charge	398.85	398.87	0.02	4,795.98	4,796.29	0.31
5	Federal Carbon Charge	86.01	129.14	43.13	2,854.31	4,285.08	1,430.77
	<u>Supply Charges</u>						
6	Transportation to Union	-	-	-	-	-	-
7	Commodity	248.66	248.66	-	8,250.91	8,250.91	-
8	Total Gas Supply Charge	248.66	248.66	-	8,250.91	8,250.91	-
9	Total Bill	733.52	776.67	43.15	15,901.20	17,332.28	1,431.08
10	Total Bill Excluding Federal Carbon Charge	647.51	647.53	0.02	13,046.89	13,047.20	0.31
	<u>Impacts</u>						
11	Sales Service			43.15			1,431.08
12	Direct Purchase			43.15			1,431.08
13	Total Bill Impact			5.9%			9.0%
14	Commodity Bill Impact			-			-

Notes:

(1) Excludes temporary charges/(credits) and prospective recovery.

UNION RATE ZONES
Union North
General Service Customer Bill Impacts

Line No.	Particulars	Union North West Zone Rate 01 - Residential (Annual Consumption of 2,200 m³)			Union North East Zone Rate 01 - Residential (Annual Consumption of 2,200 m³)		
		EB-2019-0194 Proposed 1-Jan-20 Total Bill (\$) (1) (a)	EB-2019-0247 Proposed 1-Apr-20 Total Bill (\$) (1) (b)	Impact (\$) (c) = (b) - (a)	EB-2019-0194 Proposed 1-Jan-20 Total Bill (\$) (1) (d)	EB-2019-0247 Proposed 1-Apr-20 Total Bill (\$) (1) (e)	Impact (\$) (f) = (e) - (d)
	<u>Delivery Charges</u>						
1	Monthly Charge	270.12	270.12	-	270.12	270.12	-
2	Delivery Commodity Charge	205.52	205.54	0.02	205.52	205.54	0.02
3	Total Delivery Charge	475.64	475.66	0.02	475.64	475.66	0.02
4	Federal Carbon Charge	86.01	129.14	43.13	86.01	129.14	43.13
	<u>Supply Charges</u>						
5	Transportation to Union	120.69	120.69	-	45.78	45.78	-
6	Storage Services	44.53	44.53	-	110.40	110.40	-
7	Subtotal	165.22	165.22	-	156.18	156.18	-
8	Commodity	205.04	205.04	-	254.86	254.86	-
9	Total Gas Supply Charge	370.26	370.26	-	411.04	411.04	-
10	Total Bill	931.91	975.06	43.15	972.69	1,015.84	43.15
11	Total Bill Excluding Federal Carbon Charge	845.90	845.92	0.02	886.68	886.70	0.02
	<u>Impacts</u>						
12	Sales Service			43.15			43.15
13	Direct Purchase			43.15			43.15
14	Total Bill Impact			4.6%			4.4%
15	Commodity Bill Impact			-			-

Notes:

(1) Excludes temporary charges/(credits).

UNION RATE ZONES
Union North
General Service Customer Bill Impacts

Line No.	Particulars	Union North West Rate 10 - Commercial / Industrial (Annual Consumption of 93,000 m³)			Union North East Rate 10 - Commercial / Industrial (Annual Consumption of 93,000 m³)		
		EB-2019-0194 Proposed 1-Jan-20 Total Bill (\$) (1)	EB-2019-0247 Proposed 1-Apr-20 Total Bill (\$) (1)	Impact (\$) (c) = (b) - (a)	EB-2019-0194 Proposed 1-Jan-20 Total Bill (\$) (1)	EB-2019-0247 Proposed 1-Apr-20 Total Bill (\$) (1)	Impact (\$) (f) = (e) - (d)
		(a)	(b)		(d)	(e)	
	<u>Delivery Charges</u>						
1	Monthly Charge	872.52	872.52	-	872.52	872.52	-
2	Delivery Commodity Charge	6,369.87	6,370.24	0.37	6,369.87	6,370.24	0.37
3	Total Delivery Charge	7,242.39	7,242.76	0.37	7,242.39	7,242.76	0.37
4	Federal Carbon Charge	3,636.30	5,459.09	1,822.79	3,636.30	5,459.09	1,822.79
	<u>Supply Charges</u>						
5	Transportation to Union	4,465.02	4,465.02	-	1,769.41	1,769.41	-
6	Storage Services	1,392.58	1,392.58	-	3,274.15	3,274.15	-
7	Subtotal	5,857.60	5,857.60	-	5,043.56	5,043.56	-
8	Commodity	8,667.79	8,667.79	-	10,774.05	10,774.05	-
9	Total Gas Supply Charge	14,525.39	14,525.39	-	15,817.61	15,817.61	-
10	Total Bill	25,404.08	27,227.24	1,823.16	26,696.30	28,519.46	1,823.16
11	Total Bill Excluding Federal Carbon Charge	21,767.78	21,768.15	0.37	23,060.00	23,060.37	0.37
	<u>Impacts</u>						
12	Sales Service			1,823.16			1,823.16
13	Direct Purchase			1,823.16			1,823.16
14	Total Bill Impact			7.2%			6.8%
15	Commodity Bill Impact			-			-

Notes:
(1) Excludes temporary charges/(credits).

UNION RATE ZONES
Union North In-Franchise
Calculation of 2020 Sales Service and Direct Purchase Bill Impacts for Typical Small and Large Customers

Line No.	Particulars	Proposed - EB-2019-0194 (1)		Proposed - EB-2019-0247		Bill Impact		
		Total Bill	Unit Rate	Total Bill	Unit Rate	Total Bill Change	Including Federal Carbon Charge	Excluding Federal Carbon Charge
		(\$)	(cents/m ³)	(\$)	(cents/m ³)	(\$)	(%)	(%)
		(a)	(b)	(c)	(d)	(e) = (c - a)	(f) = (e / a)	(g)
	<u>Small Rate 01</u>							
1	Delivery Charges	476	21.6200	476	21.6209	0.02	0.0%	0.0%
2	Federal Carbon Charge	86	3.9100	129	5.8700	43.13	50.1%	0.0%
3	Gas Supply Charges (2)	411	18.6836	411	18.6836	-	0.0%	0.0%
4	Total Bill	973	44.2132	1,016	46.1745	43.15	4.4%	0.0%
5	Sales Service Impact					43.15	4.4%	0.0%
6	Bundled-T (Direct Purchase) Impact					43.15	6.0%	0.0%
	<u>Small Rate 10</u>							
7	Delivery Charges	5,114	8.5239	5,115	8.5243	0	0.0%	0.0%
8	Federal Carbon Charge	2,346	3.9100	3,522	5.8700	1,176	50.1%	0.0%
9	Gas Supply Charges (2)	10,205	17.0082	10,205	17.0082	-	0.0%	0.0%
10	Total Bill	17,665	29.4421	18,841	31.4025	1,176	6.7%	0.0%
11	Sales Service Impact					1,176	6.7%	0.0%
12	Bundled-T (Direct Purchase) Impact					1,176	11.0%	0.0%
	<u>Large Rate 10</u>							
13	Delivery Charges	16,692	6.6766	16,693	6.6770	1	0.0%	0.0%
14	Federal Carbon Charge	9,775	3.9100	14,675	5.8700	4,900	50.1%	0.0%
15	Gas Supply Charges (2)	42,521	17.0082	42,521	17.0082	-	0.0%	0.0%
16	Total Bill	68,987	27.5948	73,888	29.5552	4,901	7.1%	0.0%
17	Sales Service Impact					4,901	7.1%	0.0%
18	Bundled-T (Direct Purchase) Impact					4,901	12.2%	0.0%
	<u>Small Rate 20</u>							
19	Delivery Charges	88,199	2.9400	88,211	2.9404	12	0.0%	0.0%
20	Federal Carbon Charge	117,300	3.9100	176,100	5.8700	58,800	50.1%	0.0%
21	Gas Supply Charges (2)	406,905	13.5635	406,905	13.5635	-	0.0%	0.0%
22	Total Bill	612,403	20.4134	671,215	22.3738	58,812	9.6%	0.0%
23	Sales Service Impact					58,812	9.6%	0.0%
24	Bundled-T (Direct Purchase) Impact					58,812	21.4%	0.0%
	<u>Large Rate 20</u>							
25	Delivery Charges	344,482	2.2965	344,542	2.2969	60	0.0%	0.0%
26	Federal Carbon Charge	586,500	3.9100	880,500	5.8700	294,000	50.1%	0.0%
27	Gas Supply Charges (2)	1,985,303	13.2354	1,985,303	13.2354	-	0.0%	0.0%
28	Total Bill	2,916,285	19.4419	3,210,345	21.4023	294,060	10.1%	0.0%
29	Sales Service Impact					294,060	10.1%	0.0%
30	Bundled-T (Direct Purchase) Impact					294,060	24.0%	0.0%
	<u>Average Rate 25</u>							
31	Delivery Charges	73,021	3.2097	73,030	3.2101	9	0.0%	0.0%
32	Federal Carbon Charge	88,953	3.9100	133,543	5.8700	44,590	50.1%	0.0%
33	Gas Supply Charges (2)	280,148	12.3142	280,148	12.3142	-	0.0%	0.0%
34	Total Bill	442,122	19.4339	486,721	21.3943	44,599	10.1%	0.0%
35	Sales Service Impact					44,599	10.1%	0.0%
36	T-Service (Direct Purchase) Impact					44,599	27.5%	0.0%
	<u>Small Rate 100</u>							
37	Delivery Charges	317,322	1.1753	317,430	1.1757	108	0.0%	0.0%
38	Federal Carbon Charge	1,055,700	3.9100	1,584,900	5.8700	529,200	50.1%	0.0%
39	Gas Supply Charges (2)	4,605,618	17.0578	4,605,618	17.0578	-	0.0%	0.0%
40	Total Bill	5,978,640	22.1431	6,507,948	24.1035	529,308	8.9%	0.0%
41	Sales Service Impact					529,308	8.9%	0.0%
42	T-Service (Direct Purchase) Impact					529,308	38.6%	0.0%
	<u>Large Rate 100</u>							
43	Delivery Charges	2,592,753	1.0803	2,593,713	1.0807	960	0.0%	0.0%
44	Federal Carbon Charge	9,384,000	3.9100	14,088,000	5.8700	4,704,000	50.1%	0.0%
45	Gas Supply Charges (2)	40,330,731	16.8045	40,330,731	16.8045	-	0.0%	0.0%
46	Total Bill	52,307,485	21.7948	57,012,445	23.7552	4,704,960	9.0%	0.0%
47	Sales Service Impact					4,704,960	9.0%	0.0%
48	T-Service (Direct Purchase) Impact					4,704,960	39.3%	0.0%

Notes:

- (1) Reflects proposed rates per EB-2019-0194, Exhibit D, Tab 2, Rate Order, Appendix A.
(2) Gas Supply charges based on Union North East Zone.

UNION RATE ZONES
Union South In-Franchise
Calculation of 2020 Sales Service and Direct Purchase Bill Impacts for Typical Small and Large Customers

Line No.	Particulars	Proposed - EB-2019-0194 (1)		Proposed - EB-2019-0247		Bill Impact		
		Total Bill (\$)	Unit Rate (cents/m ³)	Total Bill (\$)	Unit Rate (cents/m ³)	Total Bill Change (\$)	Including Federal Carbon Charge (%)	Excluding Federal Carbon Charge (%)
		(a)	(b)	(c)	(d)	(e) = (c - a)	(f) = (e / a)	(g)
	Small Rate M1							
1	Delivery Charges	399	18.1295	399	18.1305	0.02	0.0%	0.0%
2	Federal Carbon Charge	86	3.9100	129	5.8700	43.13	50.1%	0.0%
3	Gas Supply Charges	249	11.3027	249	11.3027	-	0.0%	0.0%
4	Total Bill	734	33.3418	777	35.3032	43.15	5.9%	0.0%
5	Sales Service Impact					43.15	5.9%	0.0%
6	Direct Purchase Impact					43.15	8.9%	0.0%
	Small Rate M2							
7	Delivery Charges	4,113	6.8544	4,113	6.8548	0	0.0%	0.0%
8	Federal Carbon Charge	2,346	3.9100	3,522	5.8700	1,176	50.1%	0.0%
9	Gas Supply Charges	6,782	11.3026	6,782	11.3026	-	0.0%	0.0%
10	Total Bill	13,240	22.0670	14,416	24.0274	1,176	8.9%	0.0%
11	Sales Service Impact					1,176	8.9%	0.0%
12	Direct Purchase Impact					1,176	18.2%	0.0%
	Large Rate M2							
13	Delivery Charges	13,723	5.4892	13,724	5.4896	1	0.0%	0.0%
14	Federal Carbon Charge	9,775	3.9100	14,675	5.8700	4,900	50.1%	0.0%
15	Gas Supply Charges	28,257	11.3026	28,257	11.3026	-	0.0%	0.0%
16	Total Bill	51,755	20.7018	56,656	22.6622	4,901	9.5%	0.0%
17	Sales Service Impact					4,901	9.5%	0.0%
18	Direct Purchase Impact					4,901	20.9%	0.0%
	Small Rate M4							
19	Delivery Charges	48,950	5.5943	48,954	5.5947	4	0.0%	0.0%
20	Federal Carbon Charge	34,213	3.9100	51,363	5.8700	17,150	50.1%	0.0%
21	Gas Supply Charges	98,898	11.3026	98,898	11.3026	-	0.0%	0.0%
22	Total Bill	182,060	20.8069	199,214	22.7673	17,154	9.4%	0.0%
23	Sales Service Impact					17,154	9.4%	0.0%
24	Direct Purchase Impact					17,154	20.6%	0.0%
	Large Rate M4							
25	Delivery Charges	371,057	3.0921	371,105	3.0925	48	0.0%	0.0%
26	Federal Carbon Charge	469,200	3.9100	704,400	5.8700	235,200	50.1%	0.0%
27	Gas Supply Charges	1,356,312	11.3026	1,356,312	11.3026	-	0.0%	0.0%
28	Total Bill	2,196,569	18.3047	2,431,817	20.2651	235,248	10.7%	0.0%
29	Sales Service Impact					235,248	10.7%	0.0%
30	Direct Purchase Impact					235,248	28.0%	0.0%
	Small Rate M5							
31	Delivery Charges	32,460	3.9345	32,463	3.9349	3	0.0%	0.0%
32	Federal Carbon Charge	32,258	3.9100	48,428	5.8700	16,170	50.1%	0.0%
33	Gas Supply Charges	93,246	11.3026	93,246	11.3026	-	0.0%	0.0%
34	Total Bill	157,964	19.1471	174,137	21.1075	16,173	10.2%	0.0%
35	Sales Service Impact					16,173	10.2%	0.0%
36	Direct Purchase Impact					16,173	25.0%	0.0%
	Large Rate M5							
37	Delivery Charges	182,287	2.8044	182,313	2.8048	26	0.0%	0.0%
38	Federal Carbon Charge	254,150	3.9100	381,550	5.8700	127,400	50.1%	0.0%
39	Gas Supply Charges	734,669	11.3026	734,669	11.3026	-	0.0%	0.0%
40	Total Bill	1,171,106	18.0170	1,298,532	19.9774	127,426	10.9%	0.0%
41	Sales Service Impact					127,426	10.9%	0.0%
42	Direct Purchase Impact					127,426	29.2%	0.0%
	Small Rate M7							
43	Delivery Charges	761,020	2.1139	761,164	2.1143	144	0.0%	0.0%
44	Federal Carbon Charge	1,407,600	3.9100	2,113,200	5.8700	705,600	50.1%	0.0%
45	Gas Supply Charges	4,068,936	11.3026	4,068,936	11.3026	-	0.0%	0.0%
46	Total Bill	6,237,556	17.3265	6,943,300	19.2869	705,744	11.3%	0.0%
47	Sales Service Impact					705,744	11.3%	0.0%
48	Direct Purchase Impact					705,744	32.5%	0.0%
	Large Rate M7							
49	Delivery Charges	3,068,595	5.9011	3,068,803	5.9015	208	0.0%	0.0%
50	Federal Carbon Charge	2,033,200	3.9100	3,052,400	5.8700	1,019,200	50.1%	0.0%
51	Gas Supply Charges	5,877,352	11.3026	5,877,352	11.3026	-	0.0%	0.0%
52	Total Bill	10,979,147	21.1137	11,998,555	23.0741	1,019,408	9.3%	0.0%
53	Sales Service Impact					1,019,408	9.3%	0.0%
54	Direct Purchase Impact					1,019,408	20.0%	0.0%

Notes:

(1) Reflects proposed rates per EB-2019-0194, Exhibit D, Tab 2, Rate Order, Appendix A.

UNION RATE ZONES
Union South In-Franchise
Calculation of 2020 Sales Service and Direct Purchase Bill Impacts for Typical Small and Large Customers

Line No.	Particulars	Proposed - EB-2019-0194 (1)		Proposed - EB-2019-0247		Bill Impact		
		Total Bill (\$)	Unit Rate (cents/m ³)	Total Bill (\$)	Unit Rate (cents/m ³)	Total Bill Change (\$)	Including Federal Carbon Charge (%)	Excluding Federal Carbon Charge (%)
		(a)	(b)	(c)	(d)	(e) = (c - a)	(f) = (e / a)	(g)
Small Rate M9								
1	Delivery Charges	174,040	2.5042	174,068	2.5046	28		0.0%
2	Gas Supply Charges	785,531	11.3026	785,531	11.3026	-		0.0%
3	Total Bill	959,571	13.8068	959,599	13.8072	28		0.0%
4	Sales Service Impact					28		0.0%
5	Direct Purchase Impact					28		0.0%
Large Rate M9								
6	Delivery Charges	517,692	2.5656	517,773	2.5660	81		0.0%
7	Gas Supply Charges	2,280,639	11.3026	2,280,639	11.3026	-		0.0%
8	Total Bill	2,798,331	13.8682	2,798,411	13.8686	81		0.0%
9	Sales Service Impact					81		0.0%
10	Direct Purchase Impact					81		0.0%
Average Rate M10								
11	Delivery Charges	7,209	7.6291	7,210	7.6295	0		0.0%
12	Gas Supply Charges	10,681	11.3026	10,681	11.3026	-		0.0%
13	Total Bill	17,890	18.9317	17,891	18.9321	0		0.0%
14	Sales Service Impact					0		0.0%
15	Direct Purchase Impact					0		0.0%
Small Rate T1								
16	Delivery Charges	161,064	2.1370	161,095	2.1374	30	0.0%	0.0%
17	Federal Carbon Charge	294,697	3.9100	442,422	5.8700	147,725	50.1%	0.0%
18	Gas Supply Charges	851,877	11.3026	851,877	11.3026	-	0.0%	0.0%
19	Total Bill	1,307,638	17.3496	1,455,393	19.3100	147,755	11.3%	0.0%
20	Sales Service Impact					147,755	11.3%	0.0%
21	Direct Purchase Impact					147,755	32.4%	0.0%
Average Rate T1								
22	Delivery Charges	249,496	2.1572	249,542	2.1576	46	0.0%	0.0%
23	Federal Carbon Charge	452,228	3.9100	678,921	5.8700	226,692	50.1%	0.0%
24	Gas Supply Charges	1,307,252	11.3026	1,307,252	11.3026	-	0.0%	0.0%
25	Total Bill	2,008,976	17.3698	2,235,715	19.3302	226,739	11.3%	0.0%
26	Sales Service Impact					226,739	11.3%	0.0%
27	Direct Purchase Impact					226,739	32.3%	0.0%
Large Rate T1								
28	Delivery Charges	559,431	2.1832	559,534	2.1836	102	0.0%	0.0%
29	Federal Carbon Charge	1,001,902	3.9100	1,504,133	5.8700	502,232	50.1%	0.0%
30	Gas Supply Charges	2,896,187	11.3026	2,896,187	11.3026	-	0.0%	0.0%
31	Total Bill	4,457,520	17.3958	4,959,855	19.3562	502,334	11.3%	0.0%
32	Sales Service Impact					502,334	11.3%	0.0%
33	Direct Purchase Impact					502,334	32.2%	0.0%
Small Rate T2								
34	Delivery Charges	732,036	1.2354	732,273	1.2358	237	0.0%	0.0%
35	Federal Carbon Charge	2,316,910	3.9100	3,478,327	5.8700	1,161,418	50.1%	0.0%
36	Gas Supply Charges	6,697,469	11.3026	6,697,469	11.3026	-	0.0%	0.0%
37	Total Bill	9,746,414	16.4480	10,908,069	18.4084	1,161,655	11.9%	0.0%
38	Sales Service Impact					1,161,655	11.9%	0.0%
39	Direct Purchase Impact					1,161,655	38.1%	0.0%
Average Rate T2								
40	Delivery Charges	1,767,306	0.8935	1,768,097	0.8939	791	0.0%	0.0%
41	Federal Carbon Charge	7,733,583	3.9100	11,610,264	5.8700	3,876,681	50.1%	0.0%
42	Gas Supply Charges	22,355,396	11.3026	22,355,396	11.3026	-	0.0%	0.0%
43	Total Bill	31,856,285	16.1061	35,733,757	18.0665	3,877,472	12.2%	0.0%
44	Sales Service Impact					3,877,472	12.2%	0.0%
45	Direct Purchase Impact					3,877,472	40.8%	0.0%
Large Rate T2								
46	Delivery Charges	2,920,264	0.7891	2,921,745	0.7895	1,480	0.1%	0.1%
47	Federal Carbon Charge	14,470,480	3.9100	21,724,224	5.8700	7,253,744	50.1%	0.0%
48	Gas Supply Charges	41,829,679	11.3026	41,829,679	11.3026	-	0.0%	0.0%
49	Total Bill	59,220,424	16.0017	66,475,648	17.9621	7,255,225	12.3%	0.0%
50	Sales Service Impact					7,255,225	12.3%	0.0%
51	Direct Purchase Impact					7,255,225	41.7%	0.1%
Large Rate T3								
52	Delivery Charges	5,606,546	2.0558	5,607,637	2.0562	1,091		0.0%
53	Gas Supply Charges	30,823,547	11.3026	30,823,547	11.3026	-		0.0%
54	Total Bill	36,430,093	13.3584	36,431,184	13.3588	1,091		0.0%
55	Sales Service Impact					1,091		0.0%
56	Direct Purchase Impact					1,091		0.0%

Notes:

(1) Reflects proposed rates per EB-2019-0194, Exhibit D, Tab 2, Rate Order, Appendix A.

ENBRIDGE GAS INC.
Union Rate Zones
Summary of 2019 Federal Carbon Deferral and Variance Accounts

Line No.	Particulars (\$000's)	Federal Carbon Charge - Customer Variance Account 179-421 (a)	Federal Carbon Charge - Facility Variance Account 179-420 (b)	Greenhouse Gas Emissions Administration Deferral Account 179-422 (c)	Total (d) = (a+b+c)
1	Balance	54,336	615	841	55,792
2	Interest	967	3	14	983
3	Total (1)	<u>55,303</u>	<u>618</u>	<u>855</u>	<u>56,775</u>

Notes:

(1) Exhibit D, Tab 2, Schedule 4, p. 2.

ENBRIDGE GAS INC.
Union Rate Zones
Summary of Allocation of 2019 Federal Carbon Deferral and Variance Accounts

Line No.	Particulars (\$000's)	Allocators			Account Balances			
		Apr - July 2019 Customer-Related Volumes 10 ³ m ³	Apr - July 2019 Total Volumes 10 ³ m ³	Total 2013 A&G (\$000's)	Federal Carbon Charge - Customer Variance Account 179-421 (1)	Federal Carbon Charge - Facility Variance Account 179-420 (2)	Greenhouse Gas Emissions Administration Deferral Account 179-422 (3)	Total (g) = (d+e+f)
		(a)	(b)	(c)	(d)	(e)	(f)	
<u>Union South In-Franchise</u>								
1	Rate M1	586,609	587,498	80,159	23,340	38	432	23,810
2	Rate M2	249,479	279,000	7,513	9,926	18	40	9,985
3	Rate M4	120,854	186,109	2,801	4,809	12	15	4,836
4	Rate M5	17,146	22,210	3,131	682	1	17	700
5	Rate M7	41,505	139,291	787	1,651	9	4	1,665
6	Rate M9	-	28,385	108	-	2	1	2
7	Rate M10	-	63	25	-	0	0	0
8	Rate T1	61,049	125,500	2,036	2,429	8	11	2,448
9	Rate T2	3,618	1,254,834	5,624	144	80	30	255
10	Rate T3	-	53,418	627	-	3	3	7
11	Total South In-Franchise	1,080,259	2,676,309	102,812	42,982	171	554	43,707
<u>Union North In-Franchise</u>								
12	Rate 01	186,008	186,063	31,817	7,401	12	171	7,584
13	Rate 10	77,595	80,494	2,759	3,087	5	15	3,107
14	Rate 20	42,605	143,481	2,373	1,695	9	13	1,717
15	Rate 25	3,448	27,210	2,089	137	2	11	150
16	Rate 100	-	310,658	953	-	20	5	25
17	Total North In-Franchise	309,656	747,906	39,992	12,321	48	215	12,584
<u>Ex-Franchise</u>								
18	Rate M12	-	4,436,978	14,918	-	284	80	364
19	Rate M13	-	21,897	0	-	1	0	1
20	Rate M16	-	126,455	21	-	8	0	8
21	Rate C1	-	1,636,713	323	-	105	2	107
22	Excess Utility Storage Space	-	-	597	-	-	3	3
23	Total Ex-Franchise	-	6,222,043	15,859	-	398	85	484
24	Total In-Franchise & Ex-Franchise	1,389,915	9,646,258	158,663	55,303	618	855	56,775

Notes:

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

ENBRIDGE GAS INC.
Union Rate Zones
General Service Unit Rates for Prospective Recovery/(Refund)
Federal Carbon Deferral and Variance Account Disposition

Line No.	Particulars	Rate Class	Deferral Balance for Disposition (\$000's) (1) (a)	Forecast Volume (10 ³ m ³) (2) (b)	Unit Rate for Prospective Recovery/(Refund) (cents/m ³) (c) = (a / b)*100
<u>Federal Carbon Charge</u>					
<u>Union North</u>					
1	Small Volume General Service	01	7,401	210,111	3.5224
2	Large Volume General Service	10	3,087	90,423	3.4144
<u>Union South</u>					
3	Small Volume General Service	M1	23,340	683,175	3.4165
4	Large Volume General Service	M2	9,926	327,145	3.0343
5	Total General Service		<u>43,755</u>		
<u>Delivery</u>					
<u>Union North</u>					
6	Small Volume General Service	01	183	210,167	0.0872
7	Large Volume General Service	10	20	94,927	0.0211
<u>Union South</u>					
8	Small Volume General Service	M1	469	684,153	0.0686
9	Large Volume General Service	M2	58	363,401	0.0161
10	Total General Service		<u>731</u>		

Notes:

- (1) Exhibit D, Tab 2, Schedule 4, p. 2. Delivery includes the FCCFVA and GGEADA balances.
(2) Forecast volumes for the period April 1, 2020 to September 30, 2020.

ENBRIDGE GAS INC.
Union Rate Zones
Contract Unit Rate Adjustments - Federal Carbon Charge
Federal Carbon Deferral and Variance Account Disposition

Line No.	Particulars	Rate Class	Deferral	Volume	Unit Rate	Unit Rate per Month		
			Balance for			April 2020	May 2020	June 2020
			Disposition					
			(\$000's) (1)	(10 ³ m ³)	(cents/m ³)	(cents/m ³)	(cents/m ³)	(cents/m ³)
			(a)	(b)	(c) = (a / b)*100	(d) = (c) / 3	(e) = (c) / 3	(f) = (c) / 3
	<u>Union North</u>							
1	Medium Volume Firm Service	20	1,695	42,605	3.9789	1.3263	1.3263	1.3263
2	Large Volume Interruptible	25	137	3,448	3.9789	1.3263	1.3263	1.3263
3	Large Volume High Load Factor	100	-	-	-	-	-	-
	<u>Union South</u>							
4	Firm Com/Ind Contract	M4	4,809	120,854	3.9789	1.3263	1.3263	1.3263
5	Interruptible Com/Ind Contract	M5	682	17,146	3.9789	1.3263	1.3263	1.3263
6	Special Large Volume Contract	M7	1,651	41,505	3.9789	1.3263	1.3263	1.3263
7	Large Wholesale	M9	-	-	-	-	-	-
8	Small Wholesale	M10	-	-	-	-	-	-
9	Contract Carriage Service	T1	2,429	61,049	3.9789	1.3263	1.3263	1.3263
10	Contract Carriage Service	T2	144	3,618	3.9789	1.3263	1.3263	1.3263
11	Contract Carriage- Wholesale	T3	-	-	-	-	-	-
12	Total Contract Service		<u>11,548</u>					

Notes:

(1) Exhibit D, Tab 2, Schedule 4, p. 2, column (d).

ENBRIDGE GAS INC.
Union Rate Zones
Contract Unit Rate Adjustments - Delivery
Federal Carbon Deferral and Variance Account Disposition

Line No.	Particulars	Rate Class	Deferral Balance for	Volume (10 ³ m ³)	Unit Rate (cents/m ³) (c) = (a / b)*100	Unit Rate per Month		
			Disposition (\$000's) (1)			April 2020 (cents/m ³)	May 2020 (cents/m ³)	June 2020 (cents/m ³)
			(a)			(b)	(d) = (c) / 3	(e) = (c) / 3
	<u>Union North</u>							
1	Medium Volume Firm Service	20	22	143,481	0.0153	0.0051	0.0051	0.0051
2	Large Volume Interruptible	25	13	27,210	0.0478	0.0159	0.0159	0.0159
3	Large Volume High Load Factor	100	25	310,658	0.0081	0.0027	0.0027	0.0027
	<u>Union South</u>							
4	Firm Com/Ind Contract	M4	27	186,109	0.0145	0.0048	0.0048	0.0048
5	Interruptible Com/Ind Contract	M5	18	22,210	0.0823	0.0274	0.0274	0.0274
6	Special Large Volume Contract	M7	13	139,291	0.0094	0.0031	0.0031	0.0031
7	Large Wholesale	M9	2	28,385	0.0085	0.0028	0.0028	0.0028
8	Small Wholesale	M10	0	63	0.2228	0.0743	0.0743	0.0743
9	Contract Carriage Service	T1	19	125,500	0.0151	0.0050	0.0050	0.0050
10	Contract Carriage Service	T2	111	1,254,834	0.0088	0.0029	0.0029	0.0029
11	Contract Carriage- Wholesale	T3	7	53,418	0.0127	0.0042	0.0042	0.0042
12	Total Contract Service		<u>257</u>					

Notes:

(1) Exhibit D, Tab 2, Schedule 4, p. 2, columns (e) and (f).

ENBRIDGE GAS INC.
Union Rate Zones
Ex-Franchise Amounts for Disposition
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	364
2	Local Production	M13	1
3	Storage Transportation Service	M16	8
4	Short-Term Cross Franchise	C1	107
5	Total Ex-Franchise		481

Notes:

- (1) Exhibit D, Tab 2, Schedule 4, p. 2, columns (e) and (f).
(2) Ex-franchise M12, M13, M16 and C1 customer specific amounts determined using approved deferral account allocation methodologies.

ENBRIDGE GAS INC.
Union Rate Zones
General Service Bill Impacts
Federal Carbon Deferral and Variance Accounts

Line No.	Particulars	Rate Component	Unit Rate for Prospective Recovery/(Refund) (cents/m ³) (1) (a)	Volume (m ³) (2) (b)	Bill Impact (\$) (c) = (a x b) / 100
1	<u>Rate 01</u>	Delivery	0.0872	521	0.45
2		Federal Carbon Charge	3.5224	521	18.37
3			3.6096		18.82
4		Including Federal Carbon Charge			18.82
5		Excluding Federal Carbon Charge			0.45
6	<u>Rate 10</u>	Delivery	0.0211	26,039	5.49
7		Federal Carbon Charge	3.4144	26,039	889.09
8			3.4355		894.59
9		Including Federal Carbon Charge			894.59
10		Excluding Federal Carbon Charge			5.49
11	<u>Rate M1</u>	Delivery	0.0686	521	0.36
12		Federal Carbon Charge	3.4165	521	17.81
13			3.4851		18.17
14		Including Federal Carbon Charge			18.17
15		Excluding Federal Carbon Charge			0.36
16	<u>Rate M2</u>	Delivery	0.0161	17,228	2.77
17		Federal Carbon Charge	3.0343	17,228	522.75
18			3.0504		525.52
19		Including Federal Carbon Charge			525.52
20		Excluding Federal Carbon Charge			2.77

Notes:

- (1) Exhibit D, Tab 2, Schedule 5, p. 1, column (c).
- (2) Average consumption per customer for April 1, 2020 to September 30, 2020.
Rate 01 volume based on annual consumption of 2,200 m³.
Rate 10 volume based on annual consumption of 93,000 m³.
Rate M1 volume based on annual consumption of 2,200 m³.
Rate M2 volume based on annual consumption of 73,000 m³.



New Year — New OPP Efficiency

Greetings from OPP Municipal Policing Bureau! May 2020 bring us more opportunities to strengthen the relationship with your municipality and make our communities safer!



We all know, in an emergency every second counts! Accidental and non-urgent calls to 9-1-1 like pocket dials tie up emergency lines, communicators and officers and can result in the slower response to a real emergency, risking the safety of people

who may need urgent help.

The OPP recently updated its 9-1-1 call handling work flow and policies to allow its emergency communicators more discretion to divert certain 9-1-1 calls and ensure more frontline OPP members are available for actual emergencies.

OPP communicators are well trained to recognize indicators of an emergency that warrant officers being dispatched.

Changing our 9-1-1 response process aligns with those of other major and medium police services while exceeding North America industry standards. The changes further help optimize our resources and support the pending implementation of 'next generation' 9-1-1 infrastructure, including the future handling of calls for service via social media.

There may be some reduction in the billable calls for service costs in the Annual Billing Statements for OPP-policed municipalities as frontline officers are dispatched to fewer calls. Any reduction to the overall billing is expected to be negligible as officers are still on duty working in communities and available 24/7 to respond to calls for service

If municipal leaders require further information, please contact your local Detachment Commander or visit the OPP booth (#414) at the annual Rural Ontario Municipalities Association (ROMA) Conference.

NEED MORE INFO / HAVE QUESTIONS?

Visit www.opp.ca/municipalpolicing / www.opp.ca/billingmodel

Contact us OPP.MunicipalPolicing@opp.ca or (705) 329 6200



The Corporation of the Town of Tecumseh

December 20, 2019

Hon. Sylvia Jones
Solicitor General
George Drew Bldg, 18th Flr
25 Grosvenor Street
Toronto, Ontario
M7A 1Y6

Re: Town of Tecumseh Resolution on 911 Misdials

On behalf of Mayor Gary McNamara and Town Council, I am writing to advise that at its meeting on November 12, 2019, Tecumseh Town Council passed the following resolution:

Whereas the calls for service for 911 Misdials have risen dramatically in recent years, correlated with the rise in cell phone use; and

Whereas 911 Misdials must be responded to as if they were legitimate emergency calls; and

Whereas each 911 call is responded to with two OPP officers at an average time per call of 1.2 hours; and

Whereas each 911 call is a billable call to the municipality; and

Whereas in 2019 alone to date, 911 Misdials in Tecumseh number 1,082 calls, which is 28.8% of all billable calls for service to date; and

Whereas 911 Misdials are not unique to Tecumseh and in fact are common across the Province at an estimated cost of millions of dollars;

Now Therefore Be It Resolved That the Municipal, Federal and Provincial governments and relevant associations, including but not limited to, the Ontario Association of Police Services Boards (OAPSB), the Ontario Association of Chiefs of Police (OACP), the Federation of Canadian Municipalities (FCM) and the Association of Municipalities of Ontario (AMO), be requested to lobby the telecommunications industry and smart phone manufacturers to develop a solution to 911 Misdials.

A copy of the report to Town Council (CAO-2019-09) on 911 Misdials is attached for your information. Should you require anything further, please contact the undersigned at lmoy@tecumseh.ca or extension 116.

Yours very truly,



Laura Moy, Dipl.M.M., CMMIII HR Professional
Director Corporate Services & Clerk

LM/ep

Attachments

1. Report CAO-2019-09 911 Misdials

cc: Hon. Bill Blair, Minister of Public Safety and Emergency Preparedness
Irek Kusmierczyk, MP
Percy Hatfield, MPP
Federation of Canadian Municipalities
Association of Municipalities of Ontario
Ontario Association of Police Services Boards
Ontario Association of Chiefs of Police
Ontario Municipalities
Telus
Bell
Rogers



The Corporation of the Town of Tecumseh

Chief Administrative Officer

To: Mayor and Members of Council

From: Margaret Misek-Evans, Chief Administrative Officer

Date to Council: November 12, 2019

Report Number: CAO-2019-09

Subject: 911 Misdials

Recommendations

It is recommended:

Whereas the calls for service for 911 Misdials have risen dramatically in recent years, correlated with the rise in cell phone use; and

Whereas 911 Misdials must be responded to as if they were legitimate emergency calls; and

Whereas each 911 call is responded to with two OPP officers at an average time per call of 1.2 hours; and

Whereas each 911 call is a billable call to the municipality; and

Whereas in 2019 alone to date, 911 Misdials in Tecumseh number 1,082 calls, which is 28.8% of all billable calls for service to date; and

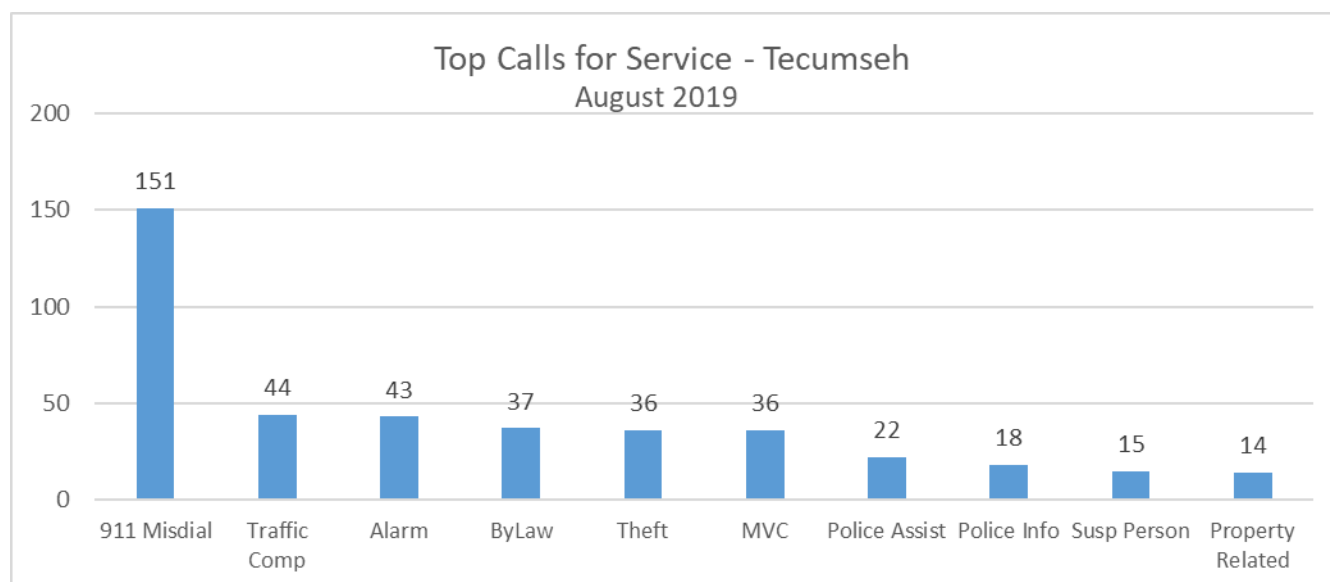
Whereas 911 Misdials are not unique to Tecumseh and in fact are common across the Province at an estimated cost of millions of dollars;

Now Therefore Be It Resolved That the Municipal, Federal and Provincial governments and relevant associations, including but not limited to, the Ontario Association of Police Services Boards (OAPSB), the Ontario Association of Chiefs of Police (OACP), the Federation of Canadian Municipalities (FCM) and the Association of Municipalities of Ontario (AMO), be requested to lobby the telecommunications industry and smart phone manufacturers to develop a solution to 911 Misdials.

Background

The Tecumseh Police Services Board (Board) receives regular reports from the Essex County OPP (OPP) on statistics related to calls for service. Over the past months, the Board has expressed concern on a number of occasions regarding the trend of increasing calls for service related to 911 Misdials, and the high proportion of total calls these represent.

At their October 10, 2019 meeting, the Board reviewed data contained in the 'Police Services Board Monthly Overview August 2019' produced by the OPP. The chart below shows the OPP's top calls for service in Tecumseh for the month of August 2019:



The report includes comparative information with other Essex County OPP Detachment municipalities and notes the following trends in the detachment area:

- A 65.7% increase in 911 Misdials in August 2019 (898 calls) compared to August 2018 (542 calls)
- An average of 29.9 Misdial calls per day
- 911 Misdials are trending 63.2% higher YTD 2019 (5,867 calls) compared to YTD 2018 (3,596)

Concern about escalating 911 Misdials and the effect of this trend on policing and police budgets was also raised at the recent Joint Essex County Police Services Board meeting held in Leamington on August 29, 2019. This meeting was attended by the boards from all Essex County OPP-policed municipalities, namely the Towns of Essex, Kingsville, Lakeshore, Tecumseh and Municipality of Leamington.

Following discussion of this data, and as a result of concerns expressed by members of the Board on multiple occasions, the Board passed Motion PSB 43/19 at the October 10, 2019 PSB meeting:

Whereas the calls for service for 911 Misdials have risen dramatically in recent years, correlated with the rise in cell phone use; and

Whereas 911 Misdials must be responded to as if they were legitimate emergency calls; and

Whereas each 911 call is responded to with two OPP officers at an average time per call of 1.2 hours; and

Whereas each 911 call is a billable call to the municipality; and

Whereas in 2019 alone to date, 911 Misdials in Tecumseh number 1,082 calls, which is 28.8% of all billable calls for service to date; and

Whereas 911 Misdials are not unique to Tecumseh and in fact are common across the Province at an estimated cost of millions of dollars;

Now Therefore Be It Resolved That the Tecumseh Police Services Board request Town Council to approach the Federal and Provincial governments and associations, including but not limited to, the Ontario Association of Police Services Boards (OAPSB), the Ontario Association of Chiefs of Police (OACP), the Federation of Canadian Municipalities (FCM) and the Association of Municipalities of Ontario (AMO), to lobby the telecommunications industry to develop a solution to 911 Misdials.

Comments

Administration obtained the most recent data available for 911 Misdials from the OPP. As of October 12, 2019, the OPP have responded to 1,082 911-related billable calls in Tecumseh, broken down as follows. This represents 28.8% of all calls for service in 2019 YTD. (Note: the categories correspond to those used in the OPP billing statement.)

Billable Category	Description	Number
911 Call / 911 Hang Up	General 911 misdial / hang up	482
911 Hang Up – Pocket Dial	(subcategory) Accidental 911 call using a cell phone	183
911 Call – Dropped Cell	(subcategory) 911 call using a cell phone, then signal was lost. Contact may have been made, then deemed non-emergency or accidental	417
Total	All Categories	1,082

The table below compares the 2019 statistics to previous years. While some 'zero data' is included, the total figures are most relevant. The OPP notes that the Pocket Dial category was introduced in 2013 and the Dropped Cell category was introduced in 2014. As the years went on, officers have become more diligent in classifying 911 misdials into these subcategories as opposed to the more general 911 Hang Up category.

Category	2013	2014	2015	2016	2017	2018	2019 YTD	2019 Est. *
911 Call / 911 Hang Up	640	698	479	449	411	530	482	578
911 Hang Up – Pocket Dial	1	6	21	20	69	70	183	219
911 Call – Dropped Cell	0	1	12	15	70	87	417	500
Total	641	705	512	484	550	687	1,082	1,297

* This is an estimated year-end total based on the YTD amount.

While some fluctuations are apparent, the estimated total number of misdials for 2019 is more than double the total recorded in 2013 and represents an 89% increase over 2018.

As noted earlier, the Board has expressed concerns about this trend both in relation to policing and the police budget. Each 911 call is handled the same way, with at least two officers dispatched to locate the source and respond. It can reasonably be concluded that time and resources spent responding to 911 Misdials divert resources from other community policing activities and initiatives. Efforts have been made by the Town and the OPP to educate the public on 911 misdials to curb frequency of such calls.

The Board's resolution recognizes that Tecumseh is not alone in dealing with this widespread issue. It also suggests that the solution does not necessarily lie in increased public education and awareness, but rather in the redesign of cell phone technology and the way it interfaces with the 911 system. New, easier-to-use features on smart phone releases are something the public takes comfort in, knowing that in an emergency they can reach 911 dispatch easily and send their coordinates to the dispatcher. However, the issue of 911 Misdials should also be raised with smart phone manufacturers to resolve inadvertent 911 calls, which appear to be on the rise.

Consultations

Information and Communications Services
Police Services Board
Ontario Provincial Police

Financial Implications

With respect to the police budget, the impact of one year's increase in call volume is not proportionately reflected in the billing statement, as the municipality's "Calls for Service" costs (a weighted portion of the provincial total) are calculated based on a four-year average. The escalating volume of calls will, however, contribute to a higher four-year average over time.

Link to Strategic Priorities

Applicable	2019-22 Strategic Priorities
<input type="checkbox"/>	Make the Town of Tecumseh an even better place to live, work and invest through a shared vision for our residents and newcomers.
<input checked="" type="checkbox"/>	Ensure that Tecumseh's current and future growth is built upon the principles of sustainability and strategic decision-making.
<input type="checkbox"/>	Integrate the principles of health and wellness into all of Tecumseh's plans and priorities.
<input checked="" type="checkbox"/>	Steward the Town's "continuous improvement" approach to municipal service delivery to residents and businesses.
<input checked="" type="checkbox"/>	Demonstrate the Town's leadership role in the community by promoting good governance and community engagement, by bringing together organizations serving the Town and the region to pursue common goals.

Communications

Not applicable ☒

Website ☐

Social Media ☐

News Release ☐

Local Newspaper ☐

This report has been reviewed by Senior Administration as indicated below and recommended for submission by the Chief Administrative Officer.

Prepared by:

Ellen Preuschat
Executive Assistant to CAO

Recommended by:

Margaret Misek-Evans, MCIP, RPP
Chief Administrative Officer

Attachment Number	Attachment Name
None	None



REPORT FIN-2020-008

TO: Mayor and Members of Council

FROM: Mary Hasan, Director of Finance/Treasurer

MEETING DATE: January 22, 2020

SUBJECT: 2020 Budget - Final
File No. F26 OPE, F26 CAP and F05 BUD

RECOMMENDATIONS

That Report FIN-2020-008 regarding the 2020 Budget – Final be received; and

That Council enact a by-law to adopt the Budget for the Corporation of the Township of Puslinch for the year 2020.

DISCUSSION

Purpose

The purpose of this report is to:

- 1.) Provide Council an update on the items that were discussed at the January 2, 2020 and January 7, 2020 Budget Council Meetings; and
- 2.) Provide Operating and Capital Budget changes that have occurred due to more current information being available to staff; and
- 3.) Provide Council with information regarding the final 2020 Budget.

Background

Council received the following reports as part of budget deliberations:

- 1.) Report FIN-2019-030 – 2020 Proposed Capital Budget – September 25, 2019 Capital Budget Meeting
- 2.) Report FIN-2019-032 – 2020 Proposed Budget - November 6, 2019 Regular Council Meeting

- 3.) Report FIN-2020-004 – 2020 Grant Application Program, Report FIN-2020-005 – 2020 Capital and Operating Budget Update, Report FIN-2020-006 – 2019 Completed Capital Projects, and Report FIN-2020-007 – Balances in Discretionary and Restricted Reserves – January 2, 2020 and January 7, 2020 Budget Meetings

The following information was presented to Council to summarize the proposed Capital and Operating Budget at the January 2, 2020 and January 7, 2020 Budget Meetings.

Description	2019 Approved Budget	2020 Proposed Budget	Difference
Total Capital Taxation Levy	\$1,123,416	\$1,221,316	\$97,900
Total Operating Taxation Levy	\$2,851,360	\$2,811,754	(-\$39,606)
Total Municipal Taxation Levy	\$3,974,776	\$4,033,070	\$58,294

Operating Budget Updates

- 1.) The budget presented on January 2, 2020 and January 7, 2020 included an amount of \$37,553 for Community Grants in Account No. 01-0100-4600 (ie. 2019 approved grant amount).

Staff Update:

Council at its meetings held on January 2, 2020 and January 7, 2020 approved grant funding amounts as outlined below:

Organization	Approved 2020 Amount
Aberfoyle Agricultural Society	\$3,000
Aberfoyle Farmers' Market	\$3,000
Friends of Mill Creek – Grand River	\$1,250
Optimist Club of Puslinch	\$2,231.83
Puslinch Lake Conservation Association	\$25,000
Sunrise Therapeutic Riding and Learning Centre	\$2,000
Wellington County Plowmen's Association	\$180
Whistle Stop Cooperative Preschool	\$877.96
Total per above	\$37,539.79

Budget Impact:

\$13 tax levy decrease.

- 2.) The budget presented on January 2, 2020 and January 7, 2020 included an amount of \$34,450 for the Cambridge Fire Services Contract in Account No. 01-0040-4320 (ie. 2019 approved phased in cost).

Staff Update:

Council at its meeting held on January 2, 2020 approved phasing 50% of the Cambridge Fire Services Contract cost to the general tax levy over 4 years. Council approved the phasing of a further \$13,780 in the 2020 budget.

Budget Impact:

\$13,780 tax levy increase.

- 3.) Council at its meeting held on January 7, 2020 directed staff to include a one-time amount of \$500 in the operating budget to support the 100th anniversary of the Cenotaph in 2020.

Budget Impact:

\$500 tax levy increase.

- 4.) Council at its meeting held on January 7, 2020 directed staff to include an amount of \$40,674 for the compensation review adjustment.

Budget Impact:

\$40,674 tax levy increase within various departments (excluding the building department)

Operating Tax Levy Impacts – Excluding Building Department

Outlined below is a reconciliation of the operating tax levy reported on January 2, 2020 and January 7, 2020 to the operating tax levy as a result of the changes outlined in the items

discussed above. The Building Department is reported on separately as there are no tax levy impacts associated with changes to the Building Department budget.

Description	Amount	Comments
Operating Tax Levy	\$2,811,754	January 2, 2020 and January 7, 2020 – Report FIN-2020-005
2020 Community Grant Program	-(\$13)	Item 1 above
Cambridge Fire Services Contract Phasing - 2020	\$13,780	Item 2 above
100 th anniversary of the Cenotaph	\$500	Item 3 above
Compensation Review Adjustment	\$40,674	Item 4 above
Operating Tax Levy	\$2,866,695	As presented at the Public Information Meeting on January 16, 2020

Updates to Building Department Budget – No Tax Levy Impact

- 5.) The compensation review adjustment in the building department is \$14,290 (includes allocation of corporate overhead to the Building Department).

Budget Impact:

\$14,290 increase in expenditures in the Building Department Budget with no tax levy impact.

Building Department Impacts – No Tax Levy Impact

Outlined below is a reconciliation of the building department operating budget reported on January 2, 2020 and January 7, 2020 to the building department operating budget as a result of the changes outlined in the items discussed above.

Description	Amount	Comments
Total Expenses	\$679,401	January 2, 2020 and January 7, 2020 – Report FIN-2020-005
Compensation Review Adjustment	\$14,290	Item 5 above
Adjusted Building Expenses	\$693,691	
Total Revenues	\$440,978	January 2, 2020 and January 7, 2020 – Report FIN-2020-005
Total Reserve Transfers	\$252,713	

Capital Budget Updates

- 6.) Council at its meeting held on January 2, 2020 authorized the establishment of a gravel roads improvement discretionary reserve and a contribution of \$114,300.

Budget Impact:

\$114,300 tax levy increase.

- 7.) Council at its meeting held on January 2, 2020 authorized incorporating a Township funded portion of \$60,000 of the total estimated cost of \$100,000 for the construction of a new 140 metre sidewalk on the northeast side of Old Brock Road, contingent on the Upper Grand District School Board contributing the remaining \$40,000.

Budget Impact:

\$60,000 tax levy increase.

- 8.) Council at its meeting held on January 7, 2020 authorized an additional amount of \$5,000 for the finalization of the Gravel Roads Study due to the scope changes to the study.

Budget Impact:

\$5,000 tax levy increase.

- 9.) Council at its meeting held on January 7, 2020 authorized an additional amount of \$41,800 to be contributed to the Asset Management Discretionary Reserve in order to address the Township's infrastructure needs over its forecast period.

Budget Impact:

\$41,800 tax levy increase.

Capital Tax Levy Impacts

Outlined below is a reconciliation of the capital tax levy reported on January 2, 2020 and January 7, 2020 to the capital tax levy as a result of the changes outlined in the items discussed above.

Description	Amount	Comments
Capital Tax Levy	\$1,221,316	January 2, 2020 and January 7, 2020 – Report FIN-2020-005
Gravel Roads Improvement Discretionary Reserve Contribution	\$114,300	Item 6 above
Construction of a new 140 metre sidewalk on the northeast side of Old Brock Road	\$60,000	Item 7 above
Gravel Roads Study – Scope Changes	\$5,000	Item 8 above
Asset Management Discretionary Reserve Contribution	\$41,800	Item 9 above
Capital Tax Levy	\$1,442,416	As presented at the Public Information Meeting on January 16, 2020

FINANCIAL IMPLICATIONS

As part of the Budget Public Information Meeting held on January 16, 2020, the following table was presented to the Public to summarize the proposed Capital and Operating Budget.

Description	2019 Approved Budget	2020 Proposed Budget	Difference
Total Capital Taxation Levy	\$1,123,416	\$1,442,416	\$319,000
Total Operating Taxation Levy	\$2,851,360	\$2,866,694	\$15,334
Total Municipal Taxation Levy	\$3,974,776	\$4,309,110	\$334,334

The Budget Public Meeting Minutes are included in the January 22, 2020 agenda package.

The following tables outlines the 2020 budget compared to the 2019 budget:

Description	2019 Budget	2020 Budget	Notes
Operating Budget			
Operating Revenues	\$1,917,228	\$2,273,016	
Operating Contributions from Discretionary Reserves	\$267,197	\$285,113	
Operating Contributions to Discretionary Reserves	\$88,750	\$328,750	
Operating Expenditures	\$4,947,035	\$5,096,073	
Total Operating Tax Levy	\$2,851,360	\$2,866,694	
Capital Budget by Funding Source			
Tax Levy	\$1,123,416	\$1,442,416	
Gas Tax	\$220,000	\$440,000	Note A
Discretionary Reserves	\$301,530	\$2,036,240	Note B
Restricted Reserves	\$251,095	\$159,429	
Other (grants)	\$793,076	\$1,333,513	
Total Capital Budget	\$2,689,118	\$5,411,598	
Total Tax Levy	\$3,954,776	\$4,309,110	

Note A – the increase in federal gas tax funding source in the 2020 Capital Budget relates to a one-time top-up payment received in 2019 of \$223,880. This one-time increase is funding the 2020 roads repaving project on Watson Road South from County Road 34 to McRae Station Road.

Note B – the increase in discretionary reserve funding sources in the 2020 Capital Budget relate to the recommendations as outlined in the 2019 Asset Management Plan. All asset replacement projects noted in the Capital Budget and Forecast are funded from the Asset Management Discretionary Reserve. Therefore, based on this change in funding, the discretionary reserve contributions in the 2020 budget compared to the 2019 budget have also increased and are outlined below:

Discretionary Reserve	2019 Budget	2020 Budget
Insurance Contingency	\$25,000	\$25,000
Legal Contingency	\$50,000	\$50,000
Elections	\$13,750	\$13,750
Asset Management	\$263,500	\$1,208,766
Information Technology	\$7,500	\$10,000
Gravel Roads Improvement	\$0	\$114,300
Aggregate Levy	\$0	\$240,000
Total	\$359,750	\$1,661,816

Municipal Property Assessment Corporation (MPAC) 2020 Returned Assessment Roll

Similar to previous practise, the 2020 returned assessment roll obtained from MPAC is compared to the 2019 returned assessment roll to determine the assessment change for the median/typical properties in the Township. The assessment change is incorporated in the calculation of the tax rate impact for the median/typical property.

Please note, the MPAC assessment change from 2019 to 2020 for the median/typical property is driving the blended increase in taxes as outlined below. If the assessments remained the same as 2019, the result would be a blended tax decrease.

Median/Typical Single Family Home

The following table shows that the 2020 budget results in a Township tax increase of 3.72% and \$36.90 and a blended tax increase of 1.52% and \$85.26 on the median/typical single family home (2019 Assessment - \$593,250; 2020 Assessment - \$608,000)

Description	% of Total Tax Bill	2019	2020	\$ Change from 2019	% Change from 2019
Median Assessment		\$593,250	\$608,000	\$14,750	2.49%
Yearly Township Taxes	18%	\$991.53	\$1,028.42	\$36.90	3.72%
Yearly County Taxes	66%	\$3,663.35	\$3,736.61	\$73.26	2.00%
Yearly Education Taxes	16%	\$955.13	\$930.24	-\$24.89	-2.61%
Yearly Blended Taxes	100%	\$5,610.01	\$5,695.27	\$85.26	1.52%
Yearly Township Taxes per \$100K Assessment		\$163.08	\$169.15	\$6.07	3.72%
Yearly Blended Taxes per \$100K Assessment		\$922.70	\$936.72	\$14.02	1.52%

Median/Typical Farmland Property

The following table shows that the 2020 budget results in a Township tax increase of 12.43% and \$40.84 and a blended tax increase of 10.04% and \$186.73 on the median/typical farmland property (2019 Assessment - \$786,475; 2020 Assessment - \$873,700)

Description	% of Total Tax Bill	2019	2020	\$ Change from 2019	% Change from 2019
Median Assessment		\$786,475	\$873,700	\$87,225	11.09%
Yearly Township Taxes	18%	\$328.62	\$369.46	\$40.84	12.43%
Yearly County Taxes	66%	\$1,214.13	\$1,342.38	\$128.25	10.56%
Yearly Education Taxes	16%	\$316.56	\$334.19	\$17.63	5.57%
Yearly Blended Taxes	100%	\$1,859.30	\$2,046.03	\$186.73	10.04%
Yearly Township Taxes per \$100K Assessment		\$37.61	\$42.29	\$4.67	12.43%
Yearly Blended Taxes per \$100K Assessment		\$212.81	\$234.18	\$21.37	10.04%

Median/Typical Small Retail Commercial Property

The following table shows that the 2020 budget results in a Township tax increase of 6.81% and \$102.31 and a blended tax increase of 3.60% and \$462.17 on the median/typical small retail commercial property (2019 Assessment - \$602,708; 2020 Assessment - \$636,100)

Description	% of Total Tax Bill	2019	2020	\$ Change from 2019	% Change from 2019
Median Assessment		\$602,708	\$636,100	\$33,392	5.54%
Yearly Township Taxes	12%	\$1,501.94	\$1,604.25	\$102.31	6.81%
Yearly County Taxes	44%	\$5,549.14	\$5,828.77	\$279.63	5.04%
Yearly Education Taxes	44%	\$5,798.84	\$5,879.07	\$80.22	1.38%
Yearly Blended Taxes	100%	\$12,849.92	\$13,312.08	\$462.17	3.60%
Yearly Township Taxes per \$100K Assessment		\$236.12	\$252.20	\$16.08	6.81%
Yearly Blended Taxes per \$100K Assessment		\$2,020.11	\$2,092.77	\$72.66	3.60%

Median/Typical Standard Industrial Property

The following table shows that the 2020 budget results in a Township tax increase of 8.39% and \$517.93 and a blended tax increase of 5.67% and \$2,770.72 on the median/typical standard industrial property (2019 Assessment - \$1,539,750; 2020 Assessment - \$1,649,000)

Description	% of Total Tax Bill	2019	2020	\$ Change from 2019	% Change from 2019
Median Assessment		\$1,539,750	\$1,649,000	\$109,250	7.10%
Yearly Township Taxes	13%	\$6,176.30	\$6,694.23	\$517.93	8.39%
Yearly County Taxes	47%	\$22,819.31	\$24,322.37	\$1,503.06	6.59%
Yearly Education Taxes	40%	\$19,862.78	\$20,612.50	\$749.72	3.77%
Yearly Blended Taxes	100%	\$48,858.39	\$51,629.11	\$2,770.72	5.67%
Yearly Township Taxes per \$100K Assessment		\$374.55	\$405.96	\$31.41	8.39%
Yearly Blended Taxes per \$100K Assessment		\$2,962.91	\$3,130.93	\$168.02	5.67%

APPLICABLE LEGISLATION AND REQUIREMENTS

Municipal Act, 2001

ATTACHMENTS

None



REPORT FIN-2020-010

TO: Mayor and Members of Council

FROM: Mary Hasan, Director of Finance/Treasurer

MEETING DATE: January 22, 2020

SUBJECT: Overtime and Lieu Policy Amendments
File: A09 OVE

RECOMMENDATIONS

THAT Report FIN-2020-010 regarding Overtime and Lieu Policy Amendments be received; and

That Council adopt the amendments to the Overtime and Lieu Policy attached as Schedule A to Report FIN-2020-010.

DISCUSSION

Purpose

The purpose of Report FIN-2020-010 is to provide Council with the proposed amendments to the Overtime and Lieu Policy attached as Schedule A to this report in accordance with the changes to the Employment Standards Act, 2000 as a result of Ontario Bill 47 – the Making Ontario Open for Business Act, 2018.

Background

Council adopted the Overtime and Lieu Policy at its meeting held on December 3, 2014 through Council Resolution No. 2014-404.

Minor amendments were made to the policy at the March 1, 2017 Council Meeting through Council Resolution 2017-074.

The policy was further amended at the February 21, 2018 Council Meeting through Council Resolution No. 2018-059 to adhere to the Employment Standards Act, 2000 changes caused by Ontario Bill 148 - the Fair Workplaces, Better Jobs Act, 2017.

It is recommended that the Township update its Overtime and Lieu Policy to align with the changes to the Employment Standards Act, 2000 caused by Ontario Bill 47 - the Making Ontario Open for Business Act, 2018. Ontario Bill 47 repealed many changes made by Ontario Bill 148.

Summary of Changes

- 1.) The following clauses were removed from the policy in accordance with the changes to the Employment Standards Act, 2000 as a result of Ontario Bill 47:
 - Employees will receive reasonable advance notice of a change in hours of work. Effective January 1, 2019, employees are entitled to 3 hours of pay if their scheduled shift is cancelled with less than 48 hours of notice. Please note, employees who provide an essential public service, such as fire, utility and snow removal services, are not entitled to the minimum of three (3) hours of pay.
 - Effective January 1, 2019, for all other employees who are on-call, a minimum of three (3) hours of pay is required during a twenty-four-hour period of being on-call even if the employee is not called in or is called in for less than three (3) hours. Please note, employees who provide an essential public service, such as fire, utility and snow removal services, are not entitled to the on-call provisions relating to the minimum of three (3) hours of pay.
- 2.) The following clauses were amended in accordance with the changes to the Employment Standards Act, 2000 as a result of Ontario Bill 47 as it relates to the calculation of the compensation associated with Public Holiday pay:
 - All other employees who are required to work on a Public Holiday will be compensated based on the total amount of regular wages and vacation pay earned in the four weeks before the work week with the public holiday, divided by 20.
 - The previous policy had indicated that the calculation would be based on the wages earned in the preceding pay period, divided by the number of days worked in that period.
 - If a Public Holiday falls on the day that would ordinarily be a working day for a part-time employee and the employee is not on vacation on that day, the Township shall give the employee the day off work and compensate the employee for the public holiday pay based on the total amount of regular wages and vacation pay earned in the four weeks before the work week with the public holiday, divided by 20, as required by the Employment Standards Act, as amended.

- The previous policy had indicated that the calculation would be based on the wages earned in the preceding pay period, divided by the number of days worked in that period, as required by the Employment Standards Act, as amended.

Financial Implications

Each department is required to outline in their respective departmental operating budget a separate general ledger account for overtime.

Applicable Legislation and Requirements

The Employment Standards Act, 2000

Attachments

Schedule A – Overtime and Lieu Policy Amendments

Title: OVERTIME AND LIEU POLICY

Date: December 3, 2014

Amendments: March 1, 2017 through Council Resolution No. 2017-074

Amendments: February 21, 2018 through Council Resolution No. 2018-059

Subject: OVERTIME AND LIEU POLICY

File No: A09 OVE

HOURS OF WORK, OVERTIME AND LIEU

1. Hours of Work

a. Administration

Regular office hours are 9:00 a.m. to 4:30 p.m., Monday to Friday.

Summer hours (July and August) are 8:30 a.m. to 4:00 p.m., Monday to Friday

Public Works

Mar/April to November/December (weather dependant)

7:00 a.m. to 4:30 p.m., Monday to Thursday

7:00 a.m. to 11:00 a.m., Friday

November/December to Mar/April (weather dependant)

7:00 a.m. to 3:30 p.m., Monday to Friday

Public Works and Parks

40 hours/week

Department Heads

40 hours/week

All other Full-time Staff

35 hours/week

- b. It is understood that the Township has the right to modify work schedules in accordance with the provisions of the Employment Standards Act, as amended, and at such times as is necessary for the efficient operation of the department.

- ~~c. Employees will receive reasonable advance notice of a change in hours of work. Effective January 1, 2019, employees are entitled to 3 hours of pay if their scheduled shift is cancelled with less than 48 hours of notice. Please note, employees who provide an essential public service, such as fire, utility and snow removal services, are not entitled to the minimum of three (3) hours of pay.~~
- d. If an employee who regularly works more than three (3) hours a day is required to present himself or herself for work but works less than three (3) hours, despite being available to work longer, the Township shall pay the employee wages for three (3) hours. Please note, employees who provide an essential public service, such as fire, utility and snow removal services, are not entitled to the minimum of three (3) hours of pay.
- e. In each seven (7) or eight (8) hour working day an employee shall be entitled to, at such times as may be designated by their Supervisor an unpaid one half hour eating period.
- f. An employee may not work any longer than a 16 (sixteen) hour shift and shall not return to work for at least eight (8) hours after the end of a shift, except in the case of a "split shift" as allowed under the Employment Standards Act.
- g. An Employee may not operate a vehicle for employment purposes for a period any longer than 13 (thirteen) hours.

2. On-Call

- a. Public Works employees receive \$160 per week for being on-call and are paid two (2) hours minimum at the applicable overtime rate for an emergency call as determined at the discretion of the Director of Public Works and Parks.
- b. Fire & Rescue Services employees are paid one (1) hour minimum at their regular rate of pay for an emergency call.
- ~~c. Effective January 1, 2019, for all other employees who are on-call, a minimum of three (3) hours of pay is required during a twenty-four hour period of being on-call even if the employee is not called in or is called in for less than three (3) hours. Please note, employees who provide an essential public service, such as fire, utility and snow removal services, are not entitled to the on-call provisions relating to the minimum of three (3) hours of pay.~~

3. Overtime

- a) An employee may be required to work overtime as is considered necessary by their Department Head in accordance with the Employment Standards Act, as amended.
- b) All overtime must be pre-approved. Working overtime that has not been pre-approved may result in discipline up to and including termination of employment. Overtime will be calculated to the nearest one half-hour. Overtime will be paid for hours worked in excess of an employee's regular work week (35 or 40 hour work week). Employees who do not have a regular work week will receive overtime pay as required by the Employment Standards Act (currently, overtime is payable for hours worked in excess of 44 in a work week).
- c) Please note that some positions are exempt from overtime pay under the Employment Standards Act, Ontario Regulation 285/01 and employees in such positions will not receive overtime pay or lieu time. If you are unsure whether your position is exempt from overtime pay, please contact the Finance Department.
- d) Overtime will be compensated by either payment at 1 ½ times the regular rate of pay or, if the employee prefers, by time in lieu calculated at 1½ times the overtime hours worked. Lieu time must be taken at a time that is mutually agreeable between the employee and the Department Head and is banked at a maximum of the employee's regular work week per calendar year.
- e) Employees who receive different wages for different work will have overtime pay calculated based on the actual work performed during the overtime hours. Therefore, overtime will be compensated by payment at 1 ½ times the regular rate of pay for the work performed, in accordance with the Employment Standards Act, as amended.
- f) All overtime and lieu time shall be compensated within the calendar year in which it is earned. In extenuating circumstances, lieu time may be carried over with the approval of the Department Head and the CAO/Clerk to February the following year. e.g. when time earned was earned late in the year
- g) An employee that is required to work on a Sunday (if Sunday is not their regular day of work) will be compensated at a rate equal to two (2) times their regular rate for all hours worked on the Sunday.
- h) A Department Head qualifies for a maximum of five (5) days lieu time earned at straight time through attendance at meetings occurring after their regular hours of work such as Council, Committee, Public and Open House events. The CAO/Clerk does not receive lieu time.

4. Public Holiday Pay

- a. A full-time employee that is required to work on a Designated Holiday will be compensated at a rate equal to two (2) times their regular rate for all hours worked on the Designated Holiday plus one (1) day's wages to cover the holiday the employee did not take.
- b. All other employees who are required to work on a Public Holiday will be compensated based on the ~~wages earned in the preceding pay period, divided by the number of days worked in that period~~ total amount of regular wages and vacation pay earned in the four weeks before the work week with the public holiday, divided by 20, as required by the Employment Standards Act, as amended.
- c. If a Public Holiday falls on the day that would ordinarily be a working day for a part-time employee and the employee is not on vacation on that day, the Township shall give the employee the day off work and compensate the employee for the public holiday pay based on the ~~wages earned in the preceding pay period, divided by the number of days worked in that period~~ total amount of regular wages and vacation pay earned in the four weeks before the work week with the public holiday, divided by 20, as required by the Employment Standards Act, as amended.
- d. Please note that some positions are exempt from Public Holiday Pay under the Employment Standards Act, Ontario Regulation 285/01 and employees in such positions will not receive Public Holiday pay. If you are unsure whether your position is exempt from Public Holiday Pay, please contact the Finance Department.



REPORT ADM-2020-001

TO: Mayor and Members of Council

FROM: Blair Lance, By-Law Enforcement Officer

MEETING DATE: January 22, 2020

SUBJECT: Revised Proposed Property Standards By-law
File: C01-PRO

RECOMMENDATION

That Report ADM-2020-001 regarding the Proposed Property Standards By-law be received; and

That the existing Property Standards By-laws No. 11/74, 37/89, 12/99 be repealed in their entirety and replaced with the Draft Property Standards By-law as amended.

Purpose

The Purpose of this report is to provide Council with the revised Draft Property Standards By-law as amended.

Background

The legislation has changed for Property Standards and the current Property Standards By-law is outdated. The current Property Standards By-law takes its authority from the Planning Act. This legislation has changed and the authority for municipalities to pass a Property Standards By-law for the standards and maintenance of properties comes from section 15.1 (3) of Building Code Act. Our current by-law also does not include an appeal process which is a requirement under section 15.6 (1) of the Building Code Act.

On June 5, 2019, a Public Information Meeting was held to obtain feedback on the proposed draft Property Standards by-law. The concerns noted at the Public Information Meeting were as follows:

- Rights of entry into a dwelling
- Requirement of a kitchen backsplash and neatly stored firewood
- Requirement of an eaves trough on all types of properties
- Anonymous complaints

Additionally, at the November 20, 2019 Council meeting Council directed staff to include clarification in the proposed by-law on the following:

- natural areas/natural processes
- definition options for yards
- interior property standards wording for owner-operated buildings compared to tenants in rental properties
- more clearly defining excessive weeds and grass
- Enforcement will apply when property issues are a safety risk and severe in nature in addition to complaint driven enforcement
- include definitions for heritage properties as noted in the Guelph Eramosa by-law should the Township designate heritage properties in the future.

The Proposed Property Standards By-law, as amended, addresses these concerns and others by making the following changes:

ADDING THE FOLLOWING DEFINITIONS:

"Yard" means the land within the boundary lines of a property not occupied by a principal building, if any, and includes grounds or vacant property.

"Naturalized Area" means a landscape area that has been deliberately implemented to produce ground cover which consists of one or more species of wildflowers, annuals, perennials, shrubs and grasses or a combination thereof and includes natural areas such as wooded lots, forests and wetlands.

"Residential rental property" includes a rental unit and the yards;

"Rental Unit" means a dwelling unit used, or intended to be used, as a residential rental property;

"Tenant" means a person who pays rent or is required to pay rent in return for a right to occupy a rental unit;

"Landlord" includes:

- a) The owner of a rental unit or any other person who permits occupancy of a rental unit, other than a tenant who occupies a rental unit in a residential complex and who permits another person to also occupy the unit or any part of the unit; and,
- b) The heirs, assigns, personal representatives and successors in title of a person referred to in clause (a)

"heritage attribute" means an attribute of a heritage property that contributes to its cultural heritage value or interest that is defined, described or inferred:

- (a) in a By-law designating a heritage property;

(b) in a By-law designating a heritage conservation district;
 (c) in a Minister's Order made under the *Ontario Heritage Act*;
 (d) in any documentation considered as part of (a), (b) and (c) above;
 and includes any elements, features or components that support or protect the heritage attribute.

"heritage property" means a Property designated under Part IV or Part V or by a Minister's Order under the *Ontario Heritage Act*.

- Add section –
 Supplementary Standards for Residential rental properties

GENERAL

The following additional standards shall only apply to a residential rental property:

a) Subject to the tenant's responsibility for ordinary cleanliness of the residential rental property, the landlord shall provide such facilities and take such action to ensure that the residential rental property is:

- I. Safe
- II. Clean
- III. In a state of good repair
- IV. Fit for habitation; and,
- V. Free from accumulations of snow and ice

b) The landlord shall maintain, in a state of good repair and in a clean, safe condition, any facilities supplied by the landlord and all common areas intended for the use of tenants.

All repairs and maintenance of property required by the standards prescribed in this part shall be carried out in a manner accepted as good craftsmanship in the trade concerned and with materials suitable and sufficient for the purpose.

Unless otherwise specified, the landlord, and not the tenant, shall be responsible for ensuring that all of the provisions of this part are being complied with.

Relocating the following sections as subsections under the new "Supplementary Standards for Residential Rental Properties" section

- Recreational facilities, laundry facilities rooms and areas
- Heating, heating systems, chimneys, vents and fuel burning appliances
- Interior lighting
- Ventilation
- Plumbing
- Kitchen
- Bathroom

- Floors
- Electrical Service
- Disconnected Utilities
- Interior Windows, doors, surfaces, floors and stairs
- Interior Structure – columns and beams
- Walls-Ceilings
- Elevators

Appeal process:

The Proposed Property Standards By-law, as amended, provides the Township with an updated and enforceable property standards by-law. This includes the required appeal process that allows a property owner to appeal a property standards order to the Township Planning and Development Advisory Committee. Section 39.0 of the proposed by-law outlines the appeal process. It was recommended to add an appeal fee to the 2020 user fee and charges by-law.

Complaint process:

Township staff will take by-law complaints via e-mail, phone, and in person. All complainants are required to provide their full name, address, and contact information. We do not take anonymous complaints. Township staff will create a complaint file once all the required information is collected at which time the Enforcement Officer will begin the investigation. All complaint are reported and tracked by staff.

Financial Implications

None

Applicable Legislation and Requirements

Ontario Building Code Act
User Fees and Charges By-law

Attachments

Revised Draft Bylaw

THE CORPORATION OF THE TOWNSHIP OF PUSLINCH

BY-LAW NUMBER 2020 - XXX

A By-law Prescribing Standards for the Maintenance and Occupancy of Property

WHEREAS Section 15.1(3) of the *Building Code Act, 1992, S.O. 1992, c. 23*, as amended, authorizes the council of a municipality to pass a by-law prescribing standards for the maintenance and occupancy of property within the municipality and for prohibiting the occupancy or use of such property that does not conform to the standards; and for requiring property that does not conform with the standards to be repaired and maintained to conform with the standards or requiring the property to be cleared of all buildings, structures, debris or refuse and left in a graded and levelled condition;

AND WHEREAS the County of Wellington Official Plan for the Township of Puslinch includes provisions relating to property conditions;

AND WHEREAS Section 15.6(1) of the *Building Code Act, 1992, S.O. 1992, c. 23*, as amended requires that a By-law passed under Section 15.1(3) of the *Building Code Act, 1992, S.O. 1992, c. 23* shall provide for the establishment of a Property Standards Committee;

NOW THEREFORE, the Council of the Corporation of the Township of Puslinch enacts as follows:

1.0 TITLE AND SCOPE

- 1.1 This By-Law may be referred to as "The Property Standards By-Law".
- 1.2 The standards for maintenance and occupancy of **property** set forth in this By-Law are hereby prescribed and adopted as the minimum standards for all **property** within the **Township**.
- 1.3 No **person** shall occupy a **property** if there is a condition which poses or constitutes an **unsafe condition**.

1.4 A **property** within the **Township** that does not conform with the standards contained in this By-law shall be:

- (a) **repaired** and maintained to conform with such standards; or
- (b) cleared of all **buildings, accessory buildings, structures** or **waste** and left in a graded and levelled condition.

1.5 This By-law does not apply so as to prevent a farm, meeting the definition of "agricultural operation" under the *Farming and Food Production Protection Act, 1998*, S.O. 1998, c.1, from carrying out a normal farm practice as provided for and defined under that Act.

2.0 APPLIED MEANING OF WORDS AND TERMS

2.1 Interchangeability: Words used in the present tense include the future, words in the masculine gender include the feminine and neuter; the singular number includes the plural, and the plural includes the singular.

3.0 DEFINITIONS

In this By-law:

"accessory building" means a detached **building** or **structure**, not used for human habitation that is subordinate to the primary use on the same **property**;

"basement" means that portion of a **building** between two floors, which is partly underground of the first floor joists above the average finished grade level adjacent to the exterior walls of the **building** and includes a crawl space and cellar;

"boat" includes any vessel which floats or is designed to float on the surface of the water and is capable of carrying

people or material whether motorized or not and includes but is not limited to pleasure craft, scows, personal water craft, canoes, row boats, pontoon boats and commercial boats, when on the water or on land;

"building" means a building as defined in the **Building Code Act**, or a **structure** used or intended to be used for supporting or sheltering any use or occupancy;

"Building Code Act" means the Building Code Act, 1992, S.O. 1992, c. 23, as amended and any prescribed regulations under the Building Code Act;

"Committee" means the **Township's** Planning and Development Advisory Committee or a Property Standards Committee established under this By-law;

"Compost" means a collection of humus material such as kitchen and table waste, grass clippings, plant trimmings, weeds or other leaves;

"Council" means the Council for the **Township**;

"dwelling" means a **building** or part of a **building**, occupied or capable of being occupied, in whole or in part for the purpose of human habitation;

"dwelling unit" means a room or a suite of rooms operated as a housekeeping unit, used or intended to be used as a domicile by one or more persons and supporting general living conditions including cooking, eating, sleeping and sanitary facilities;

"exterior property areas" means the **property**, exclusive of a **building** and an **accessory building**;

"fence" means a **structure**, wall or barrier, other than a **building**, erected at grade for the purpose of defining boundaries of **property**, separating open space, restricting ingress to or egress from **property**, providing security or

protection to **property** or acting as a visual or acoustic screen;

“firewood” means any lumber, timber, logs, poles, cut up trees or felled trees, any salvaged wood products included but not limited to wood skids, wood boxes, and used wood products that are not required for a **building, accessory building or structure** currently under construction on the **property** or for which there is a current or regular use;

“ground cover” means organic or non-organic material applied to prevent the erosion of the soil, e.g., concrete, flagstone, gravel, asphalt, grass or other forms of landscaping;

“guard” means a protective barrier installed around openings in floor area or on the open sides of a stairway, a landing, a balcony, a mezzanine, a gallery, a raised walkway, or other locations as required to prevent accidental falls from one level to another. Such barriers may or may not have openings through them;

“habitable room” means a room or enclosed floor space used, or capable of being used for living, eating, sleeping or domestic food preparation purposes, but excludes a bathroom, water closet compartment, laundry, pantry, foyer, lobby, hall, passageway, corridor, closet, stairway, storage room, furnace room or other accessory space used for service, maintenance or access within a **building**;

“heritage attribute” means an attribute of a heritage property that contributes to its cultural heritage value or interest that is defined, described or inferred:

- (a) in a By-law designating a heritage property;
- (b) in a By-law designating a heritage conservation district;
- (c) in a Minister’s Order made under the *Ontario Heritage Act*;
- (d) in any documentation considered as part of (a), (b) and (c) above;

and includes any elements, features or components that support or protect the heritage attribute.

“heritage property” means a Property designated under Part IV or Part V or by a Minister’s Order under the *Ontario Heritage Act*.

“Landlord” includes:

- a) The owner of a rental unit or any other person who permits occupancy of a rental unit, other than a tenant who occupies a rental unit in a residential complex and who permits another person to also occupy the unit or any part of the unit; and,
- b) The heirs, assigns, personal representatives and successors in title of a person referred to in clause (a)

“Naturalized Area” means a landscape area that has been deliberately implemented to produce ground cover which consists of one or more species of wildflowers, annuals, perennials, shrubs and grasses or a combination thereof and includes natural areas such as wooded lots, forests and wetlands.

“occupant” means any **person** or **persons** over the age of eighteen years in possession of the **property**;

“openable area” means that part of a window or door which is available for unobstructed ventilation and which opens directly to the outdoors;

“owner” includes,

- (a) the **person** for the time being managing or receiving the rent of the land or premises in connection with which the word is used, whether on the **person’s** own account or as agent or trustee of any other **person**, or who would receive the rent if the land and premises were let; and

- (b) a lessee or **occupant** of the **property** who, under the terms of a lease, is required to **repair** and maintain the **property** in accordance with the standards for the maintenance and occupancy of **property**;

"person" includes a corporation and its heirs, executors, administrators, or other representatives of a person to whom the context can apply according to law;

"property" means a **building** or **accessory building**, or part of a **building** or **accessory building**, and includes the lands and premises appurtenant thereto and all mobile structures, mobile buildings, mobile homes, outbuildings, **fences**, **retaining walls**, and erections thereon, whether heretofore or hereafter erected, and also includes **vacant property**;

"Property Standards Officer" shall mean a Property Standards Officer who has been appointed by by-law to administer and enforce this By-law;

"Rental Unit" means a dwelling unit used, or intended to be used, as a residential rental property;

"Repair" includes the making of additions or alterations or the taking of such action as may be required so that the **property** shall conform to the standards established in this By-law;

"Residential rental property" includes a rental unit and the yards;

"retaining wall" means a **structure** that holds back soil or loose material to prevent it from assuming the natural angle of repose at locations where an abrupt change in ground elevation occurs;

"safe condition" means a condition that does not pose or constitute an undue or unreasonable hazard or risk of life, limb or health of any **person** on or about the **property**, and includes a structurally sound condition;

"sewage" means water-carried waste, together with such ground, surface and storm waters as may be present;

"sewage system" means the **Township's** system of storm sewers, sanitary sewers and combined sewers, or a private sewage disposal system;

"structure" means anything constructed either permanent or temporary, the use of which requires location on or an attachment to something having location on the ground;

"Tenant" means a person who pays rent or is required to pay rent in return for a right to occupy a rental unit;

"Township" means the Corporation of the Township of Puslinch or the land within the geographic limits of the Corporation of the Township of Puslinch as the context requires;

"unsafe condition" means any condition that poses or constitutes an undue or unreasonable hazard or risk to life, limb or health of any **person** on or about the **property**.

"vacant building" means any **building or accessory building** that is or appears to be vacant, partially vacant, or unoccupied, or that, by reason of its unfinished or dilapidated condition, is open to the elements and in a state that there is little to no control over unauthorized entry, but does not include:

- (a) a **dwelling unit** occupied by the **owner** on a seasonal basis but otherwise maintained throughout the year;

- (b) a **building** or **accessory building** on **property** used for farming purposes, except a **dwelling unit**.

"vacant property" means a **property** that does not have a **building** or **accessory building**;

"waste" includes any debris, rubbish, refuse, sewage, effluent, garbage, brush, ashes, litter, wrappings, salvage, vehicle parts, discarded material or things, broken or dismantled things, or materials or things exposed to the elements, deteriorating or decaying on a **property** due to exposure to the weather.

"yard" means the land within the boundary lines of a property not occupied by a principal building, if any, and includes grounds or vacant property.

4.0 EXTERIOR PROPERTY AREAS – GENERAL REQUIREMENTS

4.1 **Exterior Property Areas** shall be kept in a neat and tidy condition, and free from:

- (a) **waste**;
- (b) injurious insects, termites, rodents, vermin and other pests and any condition that may promote an infestation;
- (c) Excessive growth of weeds and grass;
- (d) unsightly and unreasonably overgrown, in relation to their environment, **ground cover**, hedges and bushes;
- (e) dead, decayed, or damaged trees, or other natural growth and the branches and limbs thereof which create an **unsafe condition**;
- (f) wrecked, dismantled, derelict, inoperative, discarded, unused or an unlicensed vehicle or trailer,

except in an establishment licensed or authorized to conduct and operate such a business in accordance with any other by-laws, and then only in an arrangement such as to prevent an **unsafe condition** or an unsightly condition and screened from view from an adjacent **property**;

- (g) wrecked, dismantled, derelict, inoperative, discarded or unused **boat** and any component parts thereof, except in an establishment licensed or authorized to conduct and operate such a business, and then only in an arrangement such as to prevent an **unsafe condition** or an unsightly condition and screened from view from an adjacent **property**;
- (h) machinery or any parts thereof, or other objects or parts thereof, or accumulations of material or conditions that create an **unsafe condition** or an unsightly condition out of character with the surrounding environment;
- (i) dilapidated or collapsed **building** or **accessory building** and any unprotected well or other **unsafe condition** or unsightly condition out of character with the surrounding environment;
- (j) stagnant water;
- (k) animal excrement, except in connection with a lawful agricultural use on a **property**;

4.2 Suitable **ground cover** shall be provided to prevent erosion of the soil.

4.3 Hedges, plantings, trees or other landscaping including lighting, required by the **Township** as a condition of site development or redevelopment, shall be maintained in a living condition or shall be replaced with equivalent

landscaping or lighting, so as to carry out its intended function and maintain an attractive appearance.

4.4 An abandoned or unused well, septic tank or a hole on a **property** shall be filled or safely covered and protected.

4.5 An ice-box, refrigerator, freezer or other container shall not be placed in an **exterior property area** for disposal without first removing all locks and doors or taking some other adequate precautionary measure to prevent a **person** from being trapped in an ice-box, refrigerator, freezer or other container.

5.0 DRAINAGE

5.1 **Exterior property areas** shall be:

- (a) graded and maintained in such a manner as to prevent the excessive or recurrent ponding of storm water thereon; and
- (b) cultivated or protected with a suitable **ground cover** to prevent erosion of the soil.

5.2 All catch basins, swales and ditches shall be maintained so as to not impede the natural flow of water.

5.3 The storm water run-off from all downspouts of impervious surfaces shall be contained within the limits of the **property** from which it originates until absorbed by the soil or drained to a storm sewer, or to a natural or artificially-created swale, ditch or watercourse.

6.0 HEALTH

6.1 All **sewage** shall be discharged into an approved **sewage system**.

7.0 BUFFERING

7.1 **Property** which, because of its use or occupancy, or for other reasons is required to be buffered shall:

- (a) maintain an effective barrier to prevent lighting and vehicle headlights from shining directly into a **dwelling unit**;
- (b) maintain an effective barrier to prevent wind-blown **waste** from encroaching on an adjacent **property**;
- (c) maintain a visual screen, to minimize the visual impact of a nuisance to a **person** who owns or occupies an adjacent **property**.

8.0 RETAINING WALLS

8.1 A **retaining wall** shall be maintained in good **repair** and free from accident hazards.

8.2 Without restricting the generality of section 8.1 the maintenance of a **retaining wall** may include:

- (a) redesigning, **repairing** or replacing all deteriorated, damaged, misaligned or missing portions of the wall, or railings and **guards** appurtenant thereto;
- (b) installing subsoil drains where required to maintain the stability of the **retaining wall**;
- (c) grouting masonry cracks;
- (d) applying a coat of paint or equivalent preservative to all metal or wooden exposed components.

9.0 SUPPLEMENTARY STANDARDS FOR RESIDENTIAL RENTAL PROPERTIES

9.1 GENERAL

- 9.1.1 The following additional standards shall only apply to a residential rental property:
- a) Subject to the tenant's responsibility for ordinary cleanliness of the residential rental property, the landlord shall provide such facilities and take such action to ensure that the residential rental property is:
 - I. Safe
 - II. Clean
 - III. In a state of good repair
 - IV. Fit for habitation; and,
 - V. Free from accumulations of snow and ice
 - b) The landlord shall maintain, in a state of good repair and in a clean, safe condition, any facilities supplied by the landlord and all common areas intended for the use of tenants.
- 9.1.2 All repairs and maintenance of property required by the standards prescribed in this part shall be carried out in a manner accepted as good craftsmanship in the trade concerned and with materials suitable and sufficient for the purpose.
- 9.1.3 Unless otherwise specified, the landlord, and not the tenant, shall be responsible for ensuring that all of the provisions of this part are being complied with.
- 9.2.0 RECREATIONAL FACILITIES, LAUNDRY FACILITIES ROOMS AND AREAS
- 9.2.1 A recreational facility, laundry facility, mail collection area including mailboxes, room or area and the equipment and appliances provided in connection therewith shall be:
- (a) maintained in an operable and usable condition;
 - (b) maintained in a **safe condition**;

- (c) with the exception of an outdoor recreational facility, maintained in a clean condition.

9.3.0 HEATING, HEATING SYSTEMS, CHIMNEYS, VENTS AND FUEL BURNING APPLIANCES

9.3.1 Every **building** containing an occupied **dwelling unit** or **habitable room** shall be provided with suitable heating facilities capable of maintaining an indoor ambient temperature of 21 degrees Celsius between the 15th day of September to the 1st day of June the following year. A heating system shall be maintained in good working condition so as to be capable of safely heating the **dwelling unit** or **habitable room** to the required standard.

9.3.2 No rental **dwelling unit** shall be equipped with portable heating equipment as a primary source of heat.

9.3.3 A fuel burning appliance shall:

- (a) have ample air supply to permit combustion to occur with optimum oxygen available;
- (b) be located in such a manner as to prevent impediment to the free movement of a **person** and the overheating of adjacent materials and equipment;
- (c) have **guards** where necessary to minimize the risk of an accident.

9.3.4 Where a heating system or part thereof requires solid or liquid fuel to operate, a place or receptacle for such fuel shall be provided and maintained in a **safe condition** and location so as to be free from fire or accident hazard.

9.3.5 A fuel burning appliance, equipment and accessories shall be properly vented to the outside air by means of a smoke-pipe, vent pipe, chimney flue or other approved method and as may be required by the **Building Code Act**.

- 9.3.6 Every chimney, smoke-pipe, flue and vent shall be maintained in a good state of **repair** so as to prevent the escape of smoke, fumes or gases from entering a **building**. Maintenance may include the removal of obstructions, sealing open joints, and the **repair** of loose or broken masonry units.
- 9.3.7 Every chimney, smoke-pipe, flue and vent shall be maintained in a good state of **repair** so as to prevent the heating of adjacent combustible material or structural members to unsafe temperatures.
- 9.4.0 AIR CONDITIONING
- 9.4.1 An air conditioner shall be equipped with adequate devices for the prevention of condensation drainage on to entrance areas, sidewalks or pathways and shall be maintained in a safe mechanical and electrical condition.
- 9.4.2 Cooling water from water-cooled equipment shall not be discharged on a driveway, walkway or other areas used for pedestrian or vehicular traffic, or in such a manner that it may cause damage to a wall, foundation or part of a **building** or **accessory building**.
- 9.4.3 The discharge of cooling water from water-cooled equipment shall be made to a proper drainage system and shall be connected in accordance with all applicable government regulations.
- 9.5.0 INTERIOR LIGHTING
- 9.5.1 Interior lighting standards and fixtures shall comply with the requirements of section 10.
- 9.6.0 VENTILATION
- 9.6.1 Sufficient ventilation shall be provided to all areas of a **building** or an **accessory building** so as to prevent

accumulations of heat, dust, vapours, odours, carbon monoxide and other gases likely to create a potential **unsafe condition** or to become a nuisance.

9.6.2 A kitchen, bathroom, shower room and toilet room shall be provided with adequate natural or artificial means of ventilation.

9.6.3 An enclosed area of a **building** or an **accessory building** including a **basement** and an attic shall be adequately ventilated.

9.6.4 A system of mechanical ventilation shall be maintained in good working order.

9.7.0 PLUMBING

9.7.1 A **dwelling unit** shall be provided with an adequate supply of potable running water from a source approved by the Medical Officer of Health and/or the Chief Building Official of the **Township**.

9.7.2 A washbasin, bathtub or shower, and one kitchen sink in a **dwelling unit** shall be equipped with an adequate supply of hot and cold running water. All hot water shall be supplied at a minimum of 43 degrees Celsius and a maximum of 49 degrees Celsius.

9.7.3 A fixture shall be of such materials, construction and design as will ensure that the exposed surface of all parts are hard, smooth, impervious to hot and cold water, readily accessible for cleansing and free from blemishes, cracks, stains or other defects that may harbor germs or impede thorough cleansing.

9.7.4 All plumbing, including drains, water supply pipes, water closets and other plumbing fixtures shall be maintained in good working order free of leaks and defects and all water pipes and appurtenances thereto shall be protected from freezing.

- 9.7.5 All plumbing fixtures in every **building** or **accessory building** shall discharge the water, liquids or sewage into drainage piping, which shall be connected to a **sewage system** approved by the authority having jurisdiction.
- 9.7.6 All toilet facilities, sanitary conveniences and washing facilities shall be maintained:
- (a) in good working order;
 - (b) in a clean and sanitary condition;
 - (c) and supplied with hot and cold running water, with cold water connection only to toilets and urinals;
 - (d) and connected to the drainage system.
- 9.8.0 KITCHEN
- 9.8.1 A **dwelling unit** shall contain a kitchen area equipped with:
- (a) one sink surrounded by a surface that is impervious to grease and water;
 - (b) a suitable storage area;
 - (c) a counter or work area, exclusive of the sink and covered with a material that is impervious to moisture and grease and is easily cleanable;
 - (d) a space provided for cooking and refrigeration appliances including suitable electrical or gas connections;
- 9.8.2 A cooking appliance and a refrigeration appliance shall be maintained in a good state of **repair** and operating condition.
- 9.9.0 BATHROOM

- 9.9.1 A **dwelling unit** shall contain a bathroom consisting of at least one fully operational toilet, washbasin, and a bathtub or suitable shower unit.
- 9.9.2 A bathroom and a toilet shall be located within and accessible from within the **dwelling unit**.
- 9.9.3 Where a toilet or bathroom facility is shared by occupants of a residential accommodation, other than a self-contained **dwelling unit**, an appropriate entrance shall be provided from a common passageway, hallway, corridor or other common space to the room or rooms containing the said facility.
- 9.9.4 Every wall surrounding a shower shall be of impervious material and shall be maintained in a good state of **repair**.
- 9.9.5 A bathroom as required by section 22.1 shall be located in a room used for no other purpose and provided with a door capable of being locked from the inside and opened from the outside in an emergency.
- 9.10.0 FLOORS
- 9.10.1 A floor shall be smooth, level and maintained so as to be free of all loose, warped, protruding, broken or rotted boards that may create an **unsafe condition** or surface. A defective floor shall be **repaired** or replaced.
- 9.10.2 Where a floor covering has become worn or torn so that it retains dirt or may create an **unsafe condition**, the floor covering shall be **repaired** or replaced.
- 9.10.3 A bathroom, kitchen and shower room shall have a floor covering of water-resistant material and be capable of being cleaned.
- 9.11.0 ELECTRICAL SERVICE

- 9.11.1 A **dwelling** and **dwelling unit** shall be wired for electricity and shall be connected to an approved electrical supply system.
- 9.11.2 The capacity of the connection to a **building** or **accessory building** and the system of circuits distributing the electrical supply of the **building** or **accessory building** shall be adequate for the use and intended use.
- 9.11.3 Electrical wiring, cords, circuits, fuses, circuit breakers, electrical equipment and electrical heating systems shall be maintained in good working order, free from fire and accident hazards.
- 9.12.0 DISCONNECTED UTILITIES
- 9.12.1 An **owner** of a residential **building** or any **person** acting on behalf of such **owner** shall not disconnect or cause to be disconnected any service or utility supplying heat, electricity, gas, refrigeration or water to a **dwelling unit** and **habitable room** occupied by a tenant or lessee, except for such reasonable period of time as may be necessary for the purpose of **repairing**, replacing or otherwise altering said service or utility.
- 9.13.0 INTERIOR WINDOWS, DOORS, SURFACES, FLOORS AND STAIRS
- 9.13.1 Interior windows, doors, surfaces, floors and stairs shall be maintained:
- (a) in a clean, odour free and sanitary condition, reasonable for the normal use or occupancy of the room, passageway, enclosure or space;
 - (b) in good working order and good state of **repair**, free from holes, loose, broken, warped, torn, damaged or decayed boards or materials;

- (c) free from depressions, protrusions, deterioration or other defects which could create an **unsafe condition** or which are out of character with the normal use of the area in which such defect occurs;
- (d) so as to afford the fire resistive properties and other protection for which they shall be designed; and
- (e) free of any graffiti, markings, stains or other defacement.

9.13.2 Interior windows and doors shall also comply with the requirements of section 28.

9.14.0 INTERIOR STRUCTURE – COLUMNS AND BEAMS

9.14.1 A **building** and an **accessory building** and all structural components, including but not limited to all joists, beams, studding, and roof rafters, shall be maintained with material adequate for the load to which they are subjected to.

9.15.0 WALLS-CEILINGS

9.15.1 Every interior surface and finish of walls and ceilings shall be maintained:

- (a) in good state of **repair**, a surface which is reasonably smooth, clean, tight and easily cleaned;
- (b) free of holes, cracks, loose plaster or other material;
- (c) in a **safe condition**;
- (d) so as to possess the fire resistant properties required by the **Building Code Act** and the Fire Protection and Prevention Act, as amended.

9.16.0 ELEVATORS

- 9.16.1 An elevator, an elevating device, dumb-waiters, hoists, escalators, incline lifts including all parts, lighting fixtures, lamps, elevator buttons, floor indicators and ventilation fans shall be maintained in good state of **repair**, operable and in a **safe condition**.

10.0 LIGHTING STANDARDS AND FIXTURES

- 10.1 Adequate lighting standards and fixtures shall be maintained so that the work or operations normally carried out in an area, or the use of an area, can be undertaken in safety and to provide safe passage.

- 10.2 Lighting standards and fixtures shall be kept in a **safe condition**, in good working order and in good visual condition.

11.0 FENCES

- 11.1 A **fence** on a **property** separating adjoining **property** shall:

- (a) be in a structurally sound condition and plumb, unless specifically designed to be other than vertical;
- (b) be maintained in a good state of **repair** and free of accident hazards;
- (c) not present an unsightly appearance.

- 11.2 Without restricting the generality of section 9.1 the maintenance of a **fence** may include:

- (a) protecting by paint, treated with a preservative or other weather resistant material unless the aesthetic characteristics of the **fence** are enhanced by the lack of such treatment.

12.0 WALKWAYS, DRIVEWAYS, RAMPS, PARKING AREAS AND LANDINGS

- 12.1 A walkway, driveway, ramp, parking area and landings shall be promptly cleared of snow and appropriate measures shall be taken to minimize the risk of **persons** slipping or vehicles skidding on an icy surface.
- 12.2 An area used for vehicle traffic and parking shall be maintained through paving or surfaced with crushed stone or other suitable and reasonably dust-free substance, and shall be free from ponding and puddles and maintained in good state of **repair** and **safe condition**.
- 12.3 A parking area, driveway, walkway and other similar public access areas of an **exterior property area** shall be kept clean and free from **waste**, objects or conditions that may create an **unsafe condition**, health, fire, accident hazard or unsightly condition.
- 12.4 A paved communal parking area shall be maintained with suitable markings, such as painted lines, to indicate parking spaces, entry and egress for vehicles to the standard established in the **Township's** zoning by-law.
- 12.5 A walkway and driveway shall be repaved, resurfaced or regraded as often as necessary to maintain a reasonably smooth, slip-free and safe walkway and driveway.
- 12.6 An **owner** shall cause any snow disposal site or snow storage site on a **property** to be:
- (a) maintained so as not to cause a hazard on the **property**; and
 - (b) maintained in such a manner and location on the **property** so as to prevent a hazard, flooding, erosion and other damage to a neighbouring **property**.

13.0 BUILDINGS AND ACCESSORY BUILDINGS

STRUCTURAL ADEQUACY - CAPACITY

- 13.1 All **repairs** and maintenance of **property** required by the standards prescribed in this By-law shall be carried out in a manner accepted as good workmanship in the trades concerned and with materials suitable and sufficient for that purpose.
- 13.2 Every part of a **building** or **accessory building** shall be maintained in good **repair** and in a structurally sound condition so as:
- (a) to be capable of sustaining safely its own weight, and any additional load to which it may normally be subjected to;
 - (b) to be capable of safely accommodating all normal structural movements without damage, decay or deterioration;
 - (c) to prevent the entry of moisture that would contribute to damage, fungus growth, decay or deterioration;
 - (d) to be capable of safely and adequately performing its function subject to all reasonable serviceability requirements.
- 13.3 The abating of an **unsafe condition** may include:
- (a) the provision or **repair** of stairs, balustrades, railings, **guards** and screens so as to minimize the risk of accident;
 - (b) the elimination of other conditions which, in themselves are a hazard to life or which risk serious injury to **persons** normally in or about the subject **building, accessory building**, room, suite of rooms or space;
 - (c) the installation of a handrail in conjunction with every set of stairs containing three (3) or more risers

and such handrail shall be adequately secured and maintained in a good state of **repair**.

14.0 HEALTH AND WASTE

14.1 A **building** and **accessory building** on a **property** shall be kept free of mould, **waste** and pests, such as rodents, vermin, termites and injurious insects and any condition that may promote an infestation.

14.2 In a **dwelling unit**, sufficient rooms, containers and receptacles shall be maintained to safely contain all **waste**, which shall not be allowed to accumulate but shall be removed or made available for removal in accordance with any applicable by-laws.

14.3 An external container and receptacle shall be screened from view and shall be provided with a cover so that the material contained therein is not exposed to injurious insects, termites, rodents, vermin or other pests.

14.4 Every **building** and **accessory building** shall be provided with sufficient proper receptacles to contain all **waste**, which accumulates on the **property**, and such **waste** shall be placed for collection in proper receptacles in compliance with applicable laws and not allowed to accumulate for longer than ten (10) days.

14.5 A receptacle for **waste** shall be:

- (a) made of watertight construction;
- (b) provided with a tight fitting cover, which may be removed only when the receptacle is empty or is being actively loaded;
- (c) maintained in good working condition and order without holes or spillage; and

- (d) closed, or emptied, rinsed and cleaned when not in use, to prevent the escape of offensive odour or **waste**.
- 14.6 Garbage chutes, disposal and collection rooms shall be:
 - (a) washed down and disinfected as necessary so as to maintain a clean and odour free condition; and
 - (b) maintained in good working order.
- 14.7 Injurious insects, termites, vermin, rodents and other pests shall be exterminated and appropriate measures shall be taken to prevent their re-entry to a **building** or **accessory building** on a **property**.
- 14.8 In a **dwelling**, openings in the exterior walls or roof shall be fitted and maintained to protect all habitable space from water and weather entry, and to make such space free from drafts.
- 14.9 No portion of a **dwelling** shall be used for human habitation unless:
 - (a) the floors, walls and ceiling areas are watertight and free from dampness and mould at all times;
 - (b) the total window area, the total **openable area** for natural ventilation and the ceiling height are in accordance with the provisions of the **Building Code Act** or, alternatively, reventilation and/or mechanical ventilation is provided as prescribed by the **Building Code Act**;
 - (c) the required minimum window area of every **habitable room** is entirely above the grade of the ground adjoining such window area, or the top of the window well, whichever is the higher elevation.

15.0 COMPOST

15.1 **Compost** on a **property** shall be maintained in a composter or an open **compost** pile that is not larger than 2.0 square metres (21.5 square feet) in area and 1.0 metre (39 inches) in height.

15.2 A composter or an open **compost** pile shall be kept free of pests, such as rodents, vermin, termites and injurious insects and any condition that may promote an infestation.

16.0 HERITAGE PROPERTIES

16.1 In addition, to all other standards prescribed by this By-law, an owner of a Heritage Property shall:
(a) protect, maintain and stabilize a heritage attribute so as to preserve the existing materials.

17.0 FOUNDATIONS

17.1 A foundation of a **building** or an **accessory building** shall be maintained in good state of **repair** so as to prevent settlement detrimental to the appearance of the **building** or **accessory building**, or the entrance of moisture, vermin, termites, insects or rodents into the **building** or **accessory building**.

17.2 Without limiting the generality of section 26.1, the maintenance of a foundation may include:

- (a) the jacking-up, underpinning or shoring of the foundation where necessary;
- (b) the extension of footings and foundations below grade or regrading to provide adequate frost cover;
- (c) installing subsoil drains at the footing where such would be beneficial;

- (d) the grouting of masonry cracks;
- (e) waterproofing the wall and joints;
- (f) the carrying out of such other work as may be required to overcome any existing settlement detrimental to the appearance of the **building** or **accessory building**;
- (g) **repairing** or replacing decayed, damaged or weakened sills, piers, posts or other supports;
- (h) making sills, piers, posts or other supports insect-proof by the application of suitable materials; and
- (i) coating with a preservative.

18.0 EXTERIOR WALLS, COLUMNS AND BEAMS

18.1 The components of an exterior wall of a **building** or an **accessory building** shall be maintained:

- (a) in good state of **repair** and in a **safe condition**;
- (b) weather tight;
- (c) free from loose or unsecured objects or materials;
- (d) so as to prevent the entrance of insects, termites, vermin, rodents or other animals;
- (e) so as to prevent deterioration due to weather, insects, vermin, termites, rodents and other animals; and
- (f) so as to prevent deterioration detrimental to the appearance of the **building** or an **accessory building**.

- 18.2 Without restricting the generality of section 27.1, the maintenance of an exterior wall of a **building** or an **accessory building** may include:
- (a) the applying of materials to preserve all exterior wood and metal work or other materials not inherently resistant to weathering;
 - (b) the applying of materials to improve or maintain a pleasant and satisfying appearance at least commensurate with that of the neighbourhood;
 - (c) the restoring, **repairing** or replacing of:
 - i) the wall;
 - ii) the masonry units and mortar;
 - iii) the stucco, shingles or other cladding;
 - iv) the coping; and
 - v) the flashing and waterproofing of the wall and joint.
- 18.3 Exterior columns and beams and any decorative trim shall be maintained in a good state of **repair** and in a **safe condition**. Where necessary, such columns, beams and trim shall be restored, **repaired** or replaced and suitably protected or treated against weathering, so as to prevent or remedy deterioration detrimental to the appearance of the **building** or **accessory building**.
- 19.0** EXTERIOR DOORS, WINDOWS AND OTHER OPENINGS – CANOPIES-MARQUEES-AWNINGS
- 19.1 Shutters, windows, doors, hatchways and other exterior openings in a **building** or an **accessory building** shall be kept weather tight, draft free, and in good state of **repair** and working order.
- 19.2 Without restricting the generality of section 28.1, the maintenance of a shutter, window, door, hatchway and other exterior opening may include:

- (a) painting or the applying of a similarly effective preservative;
- (b) the **repair**, replacement or renewing of damaged, decaying, missing or defective:
 - i) doors;
 - ii) door frames and casings;
 - iii) windows and window sashes;
 - iv) window frames and casings;
 - v) shutters;
 - vi) screens;
- (c) refitting doors, windows, shutters or screens;
- (d) reglazing or fitting with an translucent substitute;
- (e) rescreening;
- (f) using other approved means of weatherproofing where the opening is used or required for ventilation or illumination and is not protected by a window, door or similar closure:
 - i) screening with wire mesh, metal grills or other equivalent durable material; or
 - ii) other protection so as to effectively prevent the entry of insects, termites, rodents, vermin or other animals.

19.3 Glazed doors, windows and other transparent surfaces shall be kept clean so as to permit unimpeded visibility and unrestricted passage of light.

19.4 A window in a **dwelling unit** that can be or is required by the standards to be openable shall be provided with screening to effectively prevent the entry of insects.

- 19.5 Nothing in this section shall be construed as preventing doors, windows and other openings in an unoccupied **building** or **accessory building** from being protected from damage or to prevent entry, for such time as determined by section 36.
- 19.6 A canopy, marquee or awning shall be properly anchored so as to be kept in a **safe condition** and shall be protected from decay and rust by a periodic application of weather-coating material.
- 19.7 A **building** shall have a safe, continuous and unobstructed passage from the interior to an exit or the outside of the **building** at street or grade level.
- 19.8 A door that facilitates access to or egress from a **dwelling unit** shall be equipped with locks, and shall be maintained in a good state of **repair** and in an operating condition.
- 20.0** EXTERIOR STAIRS, VERANDAS, PORCHES, DECKS, LOADING DOCKS, BALCONIES AND FIRE ESCAPES
- 20.1 An exterior stair, veranda, porch, deck, loading dock, balcony, fire escapes and every appurtenance attached thereto shall be maintained, reconstructed or **repaired** so as to be safe to use and capable of supporting the loads to which it may be subjected, as specified in the **Building Code Act**, and shall be kept in **safe condition** and good state of **repair**, free of all accident hazards and other deterioration or objects detrimental to the appearance of the **building** or **accessory building**.
- 20.2 Without restricting the generality of section 29.1, the maintenance, reconstructing or **repairing** of an exterior stair, veranda, porch, deck, loading dock, balcony and fire escape may include:

- (a) **repairing** or replacing treads, risers or floors that show excessive wear or are broken, warped, loose or otherwise defective;
- (b) **repairing**, renewing or supporting structural members that are rotted, deteriorated or loose;
- (c) providing, **repairing** or renewing **guard** rails, railings and balustrades; and
- (d) painting or the applying of an equivalent preservative.

20.3 Exterior stairs and fire escapes shall be kept free from ice and snow.

21.0 ROOFS AND ROOF STRUCTURES

21.1 A roof, roof deck, roof structures including solar energy panels, wind generators and related **guards** of a **building** or **accessory building** shall be:

- (a) weather tight and free from leaks;
- (b) free from loose or unsecured or unsafe objects and materials;
- (c) free from accident hazards;
- (d) free from dangerous accumulation of ice and snow;
- (e) kept in a good state of **repair** and in a **safe condition**;
- (f) free from other unsightly objects and conditions detrimental to the appearance of the **building** or **accessory building**.

21.2 An eavestrough, roof gutter and downpipe shall be kept:

- (a) in good **repair**;

- (b) in good working order;
- (c) water tight and free from leaks;
- (d) free from accident hazards;
- (e) protected by painting or the applying of other equivalent preservative.

21.3 Chimneys, smoke or vent stacks and other roof structures shall be maintained plumb and in good state of **repair** and shall be:

- (a) free from loose bricks, mortar and loose or broken capping;
- (b) free from loose or rusted stanchions, guy wires, braces and attachments;
- (c) free from any accident hazard;
- (d) free from the entrance of smoke or gases into a **building** or **accessory building**;
- (e) free from the heating of adjacent combustible materials, walls and structural members to unsafe temperatures;
- (f) weather tight and free from leaks;
- (g) free from unsightly objects and conditions detrimental to the appearance of the **building** or **accessory building**.

22.0 EXTERIOR MAINTENANCE

22.1 All exterior surfaces that have been previously painted, stained, varnished or which have received other similar protective finishes shall be maintained without visible

deterioration from the original finish, or shall be suitably refinished by application of an equivalent preservative.

22.2 Appropriate measures shall be taken to remove any graffiti, markings, stains or other defacement, occurring on the exposed finished exterior surfaces and, where necessary, to restore the exterior surface and adjacent areas to, as near as possible, to its appearance before the markings, stains or defacement occurred.

22.3 In the event of fire or other disaster, measures shall be taken as soon as possible to make the damaged **building** or **accessory building** compatible with its environment. Without restricting the generality of the foregoing, such measures include:

- (a) making the **building** or **accessory building** safe;
- (b) **repairing** of damaged surfaces exposed to view;
- (c) cleaning any damaged surfaces exposed to view;
- (d) refinishing so as to be in harmony with adjoining undamaged surfaces.

22.4 In the event the **building** or **accessory building** is beyond **repair**, the **property** shall be cleared of all remains and left in a graded level and tidy condition.

23.0 VACANT PROPERTY AND VACANT BUILDINGS –
ADDITIONAL STANDARDS

23.1 **Vacant property** shall be kept clear of all **waste** and other materials and equipment not otherwise permitted by the zoning by-law.

23.2 A **vacant building** shall:

- (a) be secured against unauthorized entry;

- (b) have liability insurance; and
- (c) be protected against the risk of fire, accident, or other danger.

23.3 Where a **vacant building** has been vacant for at least sixty (60) consecutive days, a **Property Standards Officer** who reasonably believes that a **vacant building** poses a risk to safety may, in writing, require the **Owner** of a **vacant building** to do any one or more of the following, within the timeframe specified by the **Property Standards Officer**:

- (a) install security measures or devices to the satisfaction of the **Property Standards Officer**, and such measures may include boarding of doors, windows, or other openings; or
- (b) do any work or **repairs** which, in the opinion of the **Property Standards Officer**, are necessary to secure a **vacant building** from unauthorized entry or protect a **vacant building** against the risk of fire, accident, or other danger.

23.4 Where a **vacant building** is boarded or required to be boarded:

- (a) boarding materials shall be installed and maintained in good order;
- (b) boarding materials shall be installed to exclude precipitation and wind from entering the **vacant building**, and to secure the **vacant building** from unauthorized entry, and shall be installed within the reveal of the opening frame or cladding, where feasible;
- (c) unless inherently resistant to deterioration, boarding materials shall be treated with a protective coating of paint or equivalent weather resistant material;

- (d) boarding materials shall be selected, coated, coloured, and installed to match surrounding door/window frames and exterior wall finishes.
- 23.5 Where a **vacant building** remains vacant for more than ninety (90) consecutive days, the **Owner** shall ensure that all utilities serving the **vacant building** are properly disconnected, terminated, or capped, unless such utilities are necessary for the safety or security of the **vacant building**, or unless such utilities are otherwise required by law to remain connected.
- 23.6 When openings in a **vacant building** previously boarded or secured become unsecured, such openings shall be secured again, and as determined by the **Property Standards Officer** may require the use of materials and fasteners of greater strength, installed in such a manner to deter their removal or destruction.
- 23.7 Where a **vacant building** has remained vacant or unoccupied for a period of two (2) years and continues in a state of disrepair and deterioration, a **Property Standards Officer** may issue an order to remove all previously installed boarding from windows and doors and to **repair** the **vacant building** in compliance with the standards set out in this By-law.
- 24.0 ADMINISTRATION AND ENFORCEMENT
- 24.1 A **Property Standards Officer** is responsible for the administration and enforcement of this By-law.
- 24.2 A **Property Standards Officer** may, upon producing proper identification, enter upon any **property** at any reasonable time without a warrant for the purpose of inspecting the **property** to determine,
- (a) whether the **property** conforms with the standards prescribed in this by-law;

- (b) whether an order made under this by-law and the **Building Code Act** has been complied with.

24.3 Despite section 37.2, a **Property Standards Officer** shall not enter or remain in any room or place actually being used as a **dwelling** unless,

- (a) the consent of the **occupant** is obtained, the **occupant** first having been informed that the right of entry may be refused and entry made only under the authority of a warrant issued under the **Building Code Act**;
- (b) a warrant issued under the **Building Code Act** is obtained;
- (c) the delay necessary to obtain a warrant or the consent of the **occupant** would result in an immediate danger to the health or safety of any **person**;
- (d) the entry is necessary to terminate a danger under subsection 15.7 (3) or 15.10 (3) of the **Building Code Act**; or
- (e) the requirements of section 37.4 are met and the entry is necessary to remove an **unsafe condition** under clause 15.9 (6) (b) of the **Building Code Act** or to **repair** or demolish under subsection 15.4(1) of the **Building Code Act**.

24.4 Within a reasonable time before entering the room or place for a purpose described in section 37.3 (e), the **Officer** shall serve the **occupant** with notice of his or her intention to enter it.

24.5 A **Property Standards Officer** for the purposes of an inspection has all the powers as provided for in section 15.8(1) of the **Building Code Act**.

25.0 ORDERS AND COMPLIANCE

25.1 An **owner** of **property** shall comply with the standards and requirements prescribed in this By-law.

25.2 Every **Property Standards Officer** who finds that a **property** does not conform with any of the standards of this By-law, may make an order pursuant to the provisions of Section 15.2 of the **Building Code Act**:

- (a) requiring the **property** that does not conform with the standards to be **repaired** and maintained to conform with the standards; or
- (b) requiring that the site be cleared of all **buildings** or **accessory buildings, structures**, debris or refuse and left in a graded and leveled condition.

25.3 Every **owner** of **property** shall comply with an order made pursuant to this By-law and the **Building Code Act** requiring compliance as confirmed or modified. If an order of a **Property Standards Officer** is not complied with in accordance with the order as deemed confirmed or as confirmed or modified by the **Committee** or a judge, the **Township** may cause the **property** to be **repaired** or demolished accordingly.

25.4 Where any **person** fails to comply with an order issued, the **Township** may enter and cause the required work to be done at the cost of the **person**. The cost of such work may be recovered by action or by adding the costs to the tax roll and collecting the costs in the same manner as property taxes.

26.0 APPEAL OF ORDER

26.1 An **owner** who has been served with an order made under this By-law and **Building Code Act** and who is not satisfied with the terms or conditions of the order may appeal to the

- Committee** by sending a notice of appeal by registered mail to the secretary of the **Committee** within 14 days after being served with the order.
- 26.2 An order that is not appealed within the time referred to in Section 39.1 shall be deemed to be confirmed.
- 26.3 The **Committee** shall hear the appeal.
- 26.4 On an appeal, the **Committee** has all the powers and functions of the **Property Standards Officer** who made the order and the **Committee** may do any of the following things if, in the **Committee's** opinion, doing so would maintain the general intent and purpose of the by-law and of the official plan or policy statement:
- (a) Confirm, modify or rescind the order to demolish or **repair**.
 - (b) Extend the time for complying with the order.
- 26.5 The **Township** in which the **property** is situate or any **owner** or **person** affected by a decision under this section may appeal to the Superior Court of Justice by notifying the Clerk of the **Township** in writing and by applying to the court within 14 days after a copy of the decision is sent.
- 26.6 The Superior Court of Justice shall appoint, in writing, a time and place for the hearing of the appeal and may direct in the appointment the matter in which and the **persons** upon whom the appointment is to be served.
- 26.7 On the appeal, the judge has the same powers and functions as the **Committee**.
- 26.8 An order that is deemed to be confirmed under section 39.2 or that is confirmed or modified by the **Committee** under section 39.3 or a judge under section 39.7, as the case may be, shall be final and binding upon the **owner**

who shall carry out the **repair** or demolition within the time and in the manner specified in the order.

27.0 POWER OF TOWNSHIP TO REPAIR AND DEMOLISH

27.1 If an order is not complied with in accordance with the order as deemed confirmed or as confirmed or modified by the **Committee** or a judge, the **Township** in accordance with section 15.4 of the **Building Code Act** may cause the **property** to be **repaired** or demolished.

27.2 Where an order is not complied with and the **Township** has caused the property to be **repaired** or demolished, the **Township** has priority lien status in accordance with section 1 of the *Municipal Act, 2001, as amended*, on the **property** for the amount spent on the **repair** or demolition and the amount may be added to the tax roll by the Treasurer of the **Township** and may be collected in the same manner as taxes on the **property**.

28.0 EMERGENCY ORDERS

28.1 If upon inspection of a **property** an **Property Standards Officer** is satisfied that there is non-conformity with the standards prescribed in this by-law to such extent as to pose an immediate danger to the health or safety of any **person**, the **Property Standards Officer** may make an order in accordance with section 15.7 of the **Building Code Act** containing particulars of the non-conformity and requiring remedial **repairs** or other work to be carried out immediately to terminate the danger.

29.0 CERTIFICATE OF COMPLIANCE

29.1 After inspecting a **property**, a **Property Standards Officer** who is of the opinion that the **property** is in compliance with the standards established in this By-law, may issue a certificate of compliance to the **owner**.

- 29.2 The prescribed fee set out in the **Township's** Fees and Charges By-law shall be payable prior to the issuance of a certificate of compliance where it is issued at the request of the **owner**.
- 30.0 PENALTY
- 30.1 Every **owner** who fails to comply with an order, as confirmed, any other order, a direction or a requirement made under this By-law is guilty of an offence under Section 36.(1) of the **Building Code Act** and is liable to a penalty or penalties as set out in Section 36 of the **Building Code Act**.
- 31.0 PROPERTY STANDARDS COMMITTEE
- 31.1 A **Committee** is hereby established in accordance with the **Building Code Act**.
- 31.2 The **Committee** shall be composed of such persons, not fewer than three (3), as **Council** considers advisable.
- 31.3 The **Committee** shall hold office for the term of **Council** or until such time as successors are appointed.
- 32.0 EXEMPTIONS
- 32.1 This By-law does not apply to lands on which construction is actively proceeding in accordance with a permit issued pursuant to the *Building Code Act*.
- 32.2 This By-law does not apply so as to prevent a farm, meeting the definition of "agricultural operation" under the *Farming and Food Production Protection Act, 1998*, S.O. 1998 c.1, from carrying out a normal farm practice as provided for and defined under that Act.

33.0 VALIDITY

33.1 If any section, subsection, paragraph, sentence, clause, or provision of this By-Law be declared by a Court of competent jurisdiction to be invalid, illegal or ultra vires for any reason, all other provisions of this By-Law shall remain and continue in full force and effect and shall remain valid and binding.

**READ A FIRST, SECOND AND THIRD TIME AND FINALLY PASSED THIS 22nd
DAY OF JANUARY, 2020.**

James Seeley, Mayor

Glenn Schwendinger, CAO/Clerk



REPORT PD-2020-002

TO: Mayor and Members of Council

FROM: Lynne Banks, Development and Legislative Coordinator

MEETING DATE: January 22, 2020

SUBJECT: Township Wells on GRCA Lands
File No. L04/GRC

RECOMMENDATIONS

That Report PD-2020-002 regarding the Township wells located on GRCA lands known as the Former Russian Olive Grove at McCormick's Point (the "Lands"), be received for information.

DISCUSSION

Background

In October 2019, Report PD-2019-014 was provided to Council for information purposes and for direction to staff. Council resolved that staff forward a report to the Source Water Protection department to determine if any of the wells would be useful for monitoring the increased Cambridge Well production.

Purpose

The Regional Municipality of Waterloo (the "Region") contacted the Township to arrange a meeting as it is applying to include the groundwater wells detailed in the Cambridge East Environmental Assessment (EA) in our Permits to Take Water (PTTWs). The Environmental Assessment recommended that future monitoring be done to investigate potential impacts from the planned increase in pumping of some wells on the east side of Cambridge. The Region wants to include proposed locations for monitoring wells that will be constructed in the near future and once the locations have been decided on it would like to enter into access agreements with the Township as well as the GRCA and local private landowners to construct and monitor additional monitoring points. Stan Denhoed and Kyle Davis of the GRCA attended the meeting on behalf of the Township.

The Region plans to submit a PTTW application that will include additional monitoring installations. These are to be:

Deep multi-level monitoring wells in the vicinity of Irish Creek (Well A)
Deep multi-level monitoring wells Northeast of Puslinch Lake (Well B)
Deep multi-level monitoring wells East of Puslinch Lake (Well C, convert TW10-78?)
Shallow streambank piezometers at Puslinch Lake (East and North of the Lake)
Shallow streambank piezometer on Mill Creek (just south of Gore Rd.)
Shallow streambank piezometer on Cedarbrook Creek (within RMOW)
Shallow streambank piezometer on Irish Creek (next to culvert on Ellis Rd.)
Stream gauge on Irish Creek (Culvert on Ellis Rd.).

In summary, Stan Denhoed has advised that the residents located around Puslinch Lake expressed concern about potential changes to the lake levels and this has been recognized by the Region. Stan would be able to assist where possible to locate a suitable well location either on municipal land or facilitate discussions with private owner to get a well close to both Puslinch Lake and Irish Creek. He has also advised that the Region has an interest in having a permanent installation for a lake water level station, and he would assist again with ownership if GRCA lands were proven not to be suitable. Also, the Region would be interested in the Township's sentry wells 2S and 2D on the GRCA lands, therefore they do not need to be decommissioned.

He has further advised that the only wells the Township should keep are the two sentry wells near to Concession 1 Road as they would allow for longer term monitoring for potential impacts from the proposed increased taking by the Region of Waterloo and noted that it would make more sense to ask them to the monitoring wells over and include them in their program.

Also, Golder Associates Ltd. was retained by the Region to prepare the Cambridge East Environmental Assessment and have provided summary of the meeting that was held on December 18, 2019, a copy of which is attached to this report.

Financial Implications

Attachments

1. Copy of letter from Golder dated December 23, 2019.
2. Map of possible well locations.

Attachment "1"



MEETING SUMMARY

DATE December 23, 2019

Project No. 19119485

TO Karl Belan & Eric Hodgins - Region of Waterloo
Beth Brown & Sonya Strynacka - GRCA Kyle Davis - Centre Wellington Lynne Banks - Township of Puslinch Stan Denhoed - Harden Environmental

CC John Piersol - Golder

FROM Jennifer Hancox

EMAIL jennifer_hancox@golder.com

MEETING SUMMARY - SITING NEW MONITORING WELLS IN PUSLINCH IN ACCORDANCE WITH CAMBRIDGE EAST EA

This provides a summary of the December 18, 2019 meeting held at the GRCA to discuss proposed new monitoring locations.

As part of the Cambridge East Environmental Assessment (EA), several recommendations were made for future monitoring locations to investigate potential impacts from the planned increase in pumping from wells in the Pinebush and Clemens Mill well fields. While the Region of Waterloo (Region) has already implemented many of the monitoring recommendations, some of the proposed additional monitoring installations will be contingent upon the ability to secure agreements with the Township of Puslinch (Township), Grand River Conservation Authority (GRCA), the City of Cambridge (City) and/or local private landowners to construct and monitor additional monitoring points. The Region plans to submit a PTTW application in early 2020.

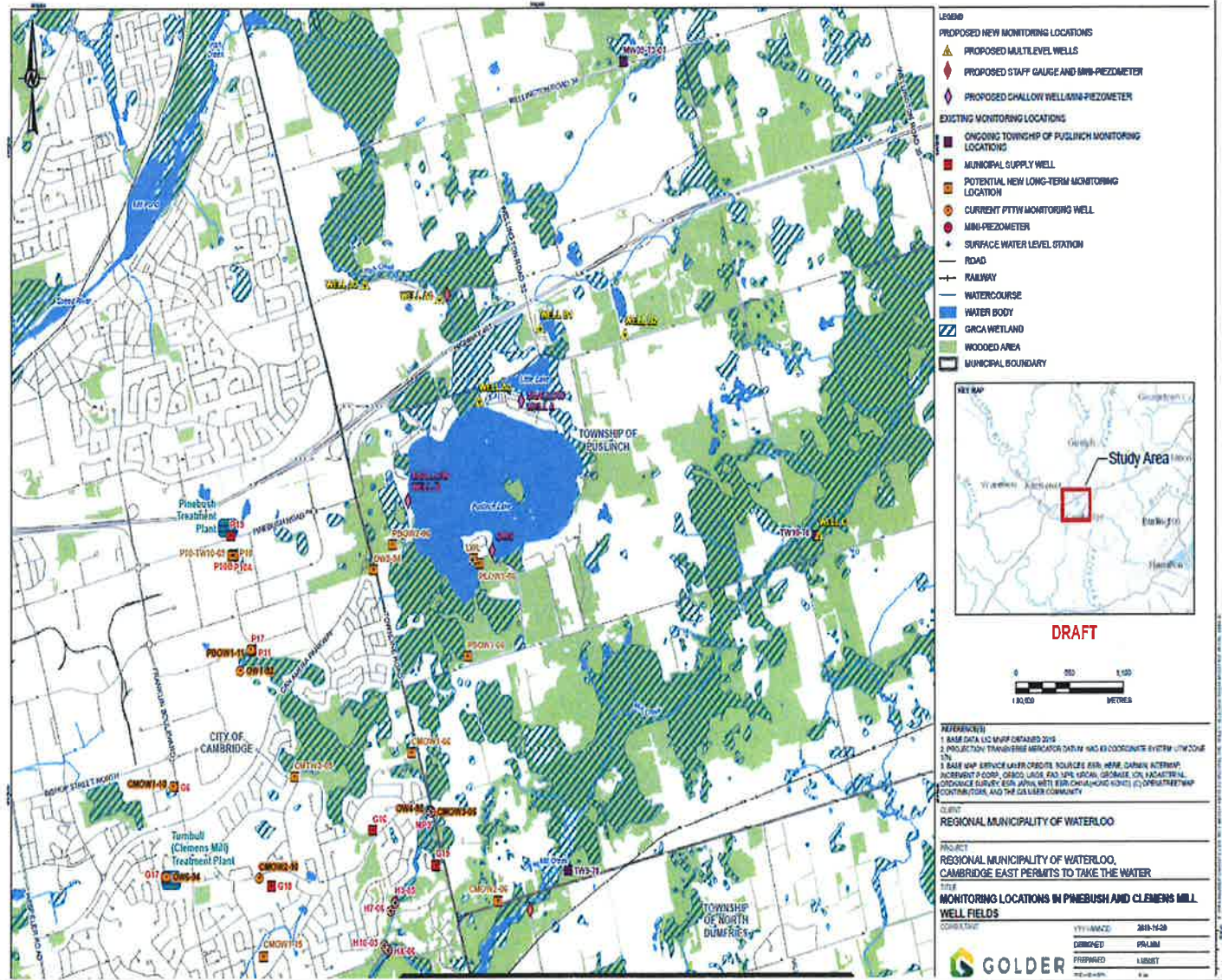
The following are notes on each of the proposed future monitoring locations in Puslinch and Cambridge East following the meeting on December 18, 2019.

Well A - Deep Multilevel Monitoring Well in the Vicinity of Irish Creek to the North of Puslinch Lake

- This multilevel well will likely include two wells installed in the bedrock in one hole and one well installed in the overburden in a step-off well.
- The preferred location would be at location A3, which is adjacent to Irish Creek and close to Puslinch Lake. This well would need to be sited on private property, either by the owner of the Puslinch Marina or on the Irish Creek Estates (which would be more difficult to access).
 - **ACTION ITEM:** Stan will contact the property owner, the Puslinch Lake Conservation Association and the Township to discuss installing a well at this location.
- If the A3 site is not possible, the next best location would be at A2 in the road allowance adjacent to the Puslinch Lake Golf Course. If the A2 location is the selected site, permission would need to be provided by the Township.
 - **ACTION ITEM (If A3 not feasible):** Stan will discuss this option with the Township.

- A shallow piezometer was recommended to the north / east of Puslinch Lake (Shallow Well A). The ideal location for this piezometer would be at the A3 multilevel well location if it moves forward as the Well A option. A shallow piezometer could be installed in the vicinity of the Well A multilevel nest. If the A2 location is selected for the Well A multilevel next, a shallow piezometer would still be required near the north edge of Puslinch Lake.
- A more permanent location for Puslinch Lake level monitoring is sought by the Region
 - **ACTION ITEM: Stan to discuss the location of the shallow piezometer and more permanent lake level monitoring station with the property owner, the Puslinch Lake Conservation Association, Dave Taliano and the Township.**
- A shallow piezometer was recommended to the west of Puslinch Lake (Shallow Well B). The access road off Lake Road to the proposed Shallow Well B location is a private road to a residence and does not belong to the GRCA. It may be possible to access the western edge of Puslinch Lake by walking through GRCA property to the east of PBOW2-06.
 - **ACTION ITEM: Golder to walk the property to determine accessibility.**
 - If the location is accessible, would need permission from GRCA to install the drivepoint piezometer at the edge of the lake and an access agreement to be able to monitor the site by walking in from PBOW2-06.
- A shallow piezometer as recommended along Mill Creek. There is an accessible location off Shellard Road to the south of Gore Road. An access agreement would be required from the GRCA and/or the Township for this location.
 - **ACTION ITEM – Stan to discuss this location with the Township.**
- A shallow piezometer along Cedarbrook Creek was also recommended. There are some locations along Cedarbrook Creek that have historically been monitored. It is suggested that a new shallow streambank piezometer be reinstalled in the vicinity of H7-06. The property likely belongs to the City of Cambridge and an access agreement would be required from the City for this location.
 - **ACTION ITEM – Region to discuss this location with the City.**

Attachment "2"





REPORT BLDG-2020-001

TO: Mayor and Members of Council

FROM: Gerald Moore, Chief Building Official

MEETING DATE: January 22, 2020

SUBJECT: Building Department Monthly Update - December 2019

RECOMMENDATION

That Report BLDG-2020-001 with respect to the Building Department Monthly Update – December 2019 be received for information.

DISCUSSION

Purpose

The purpose of this report is to provide Council with an update of the activities in the Building Department for December 2019.

Background

The purpose of this report is to provide Council with a summary of the Building Department's activities for the month of December 2019.

Financial Implications

The Building Code Act requires that the total amount of building permit fees meets the total costs for the municipality to administer and enforce the Building Code Act and Regulations. Building permit fees were established to fully recover the Township's cost of providing building permit services, including an allocation of administrative overhead/indirect costs. Any surplus revenue from building permit fees is transferred to a restricted reserve, to be drawn upon in years of declining building activity.

APPLICABLE LEGISLATION AND REQUIREMENTS

Building Code Act, 1992, S.O. 1992, c. 23

ATTACHMENTS

Schedule A – December 2019 Monthly report

Permit Comparison Summary

Issued For Period DEC 1,2019 To DEC 31,2019

	Previous Year			Current Year		
	Permit Count	Fees	Value	Permit Count	Fees	Value
Bylaw						
Pool Enclosure Permit	0	0.00	0.00	1	215.00	49,000.00
Commercial/Industrial						
Commercial - No Occupancy Required	1	1,148.10	20,000.00	2	1,766.68	120,000.00
Commercial - Occupancy Required	0	0.00	0.00	1	904.00	60,000.00
Demolition						
Demolition Permit	1	156.00	8,450.00	1	156.00	2,500.00
New Residence						
Residential - Occupancy Required	3	15,542.16	3,260,000.00	2	8,304.12	2,100,000.00
Other Residential						
Accessory/Farm Buildings	1	576.10	25,000.00	1	1,596.00	13,500.00
Detached Garage	0	0.00	0.00	2	911.04	60,000.00
Residential - No Occupancy Required	3	2,969.20	285,000.00	1	156.00	50,000.00
Septic						
Sewage Disposal System Permit	5	3,120.00	84,000.00	4	2,964.00	75,000.00
Sewage System - Tank Replacement	0	0.00	0.00	1	468.00	8,000.00

	<u>Previous Year</u>	<u>Current Year</u>
Total Permits Issued	14	16
Total Dwelling Units Created	3	2
Total Permit Value	3,682,450.00	2,538,000.00
Total Permit Fees	23,511.56	17,440.84
Total Compliance Letters Issued	0	2
Total Compliance Letter Fees	0.00	150.00

Inspection Summary

Ward	Permit Inspections	Other Roll Inspections
000	228	0
Total	228	0

Permit Charge	Amount
Accessory/Farm Buildings	1,596.00
Commercial - No Occupancy Req	1,766.68
Commercial - Occupancy Require	904.00
Demolition Permit	156.00
Detached Garage	911.04
Pool Enclosure Permit	215.00
Residential - No Occupancy Req	156.00
Residential - Occupancy Requir	8,304.12
Sewage Disposal System Permit	2,964.00
Sewage System - Tank Replaceme	468.00

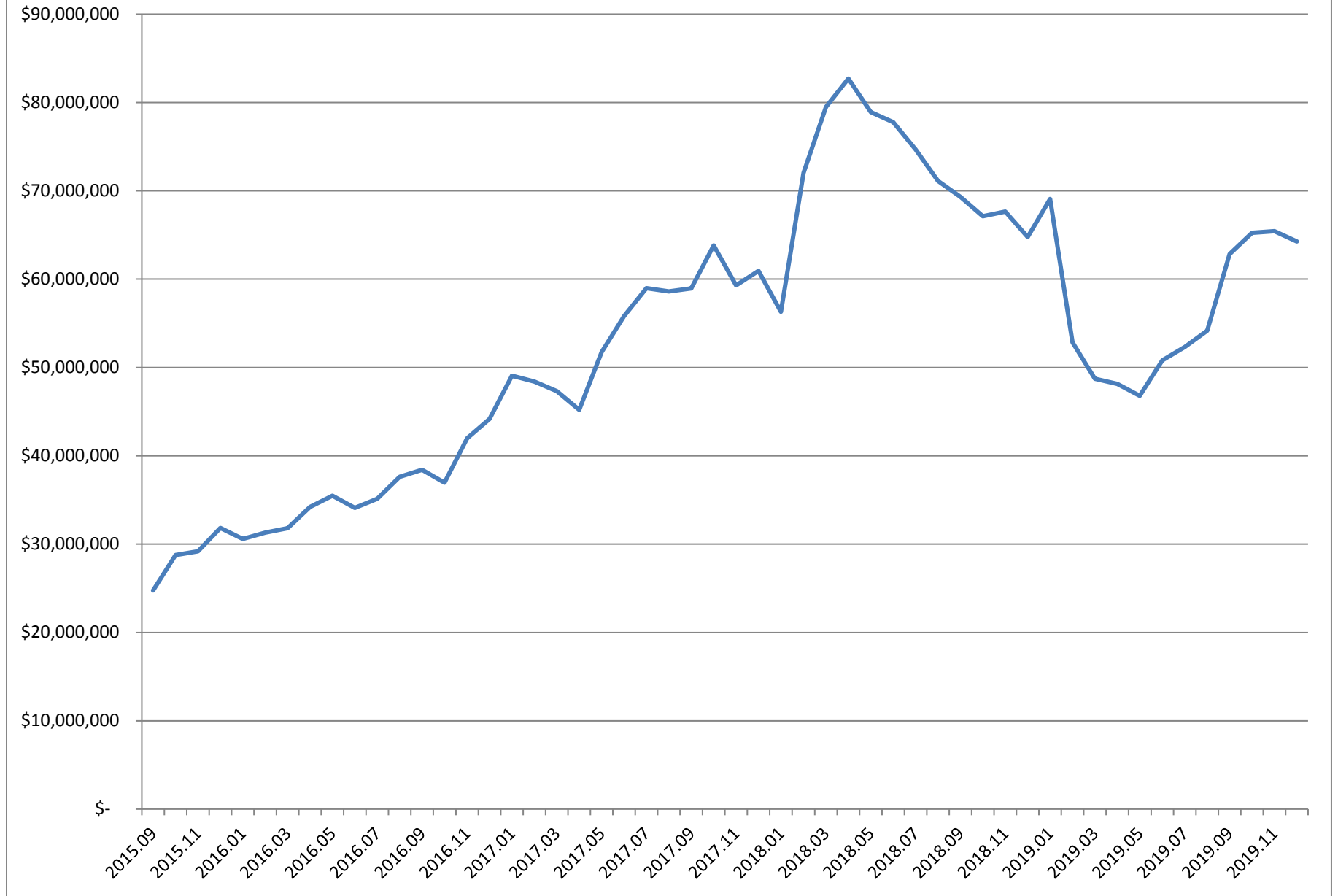
Permit Comparison Summary

Issued For Period DEC 1,2019 To DEC 31,2019

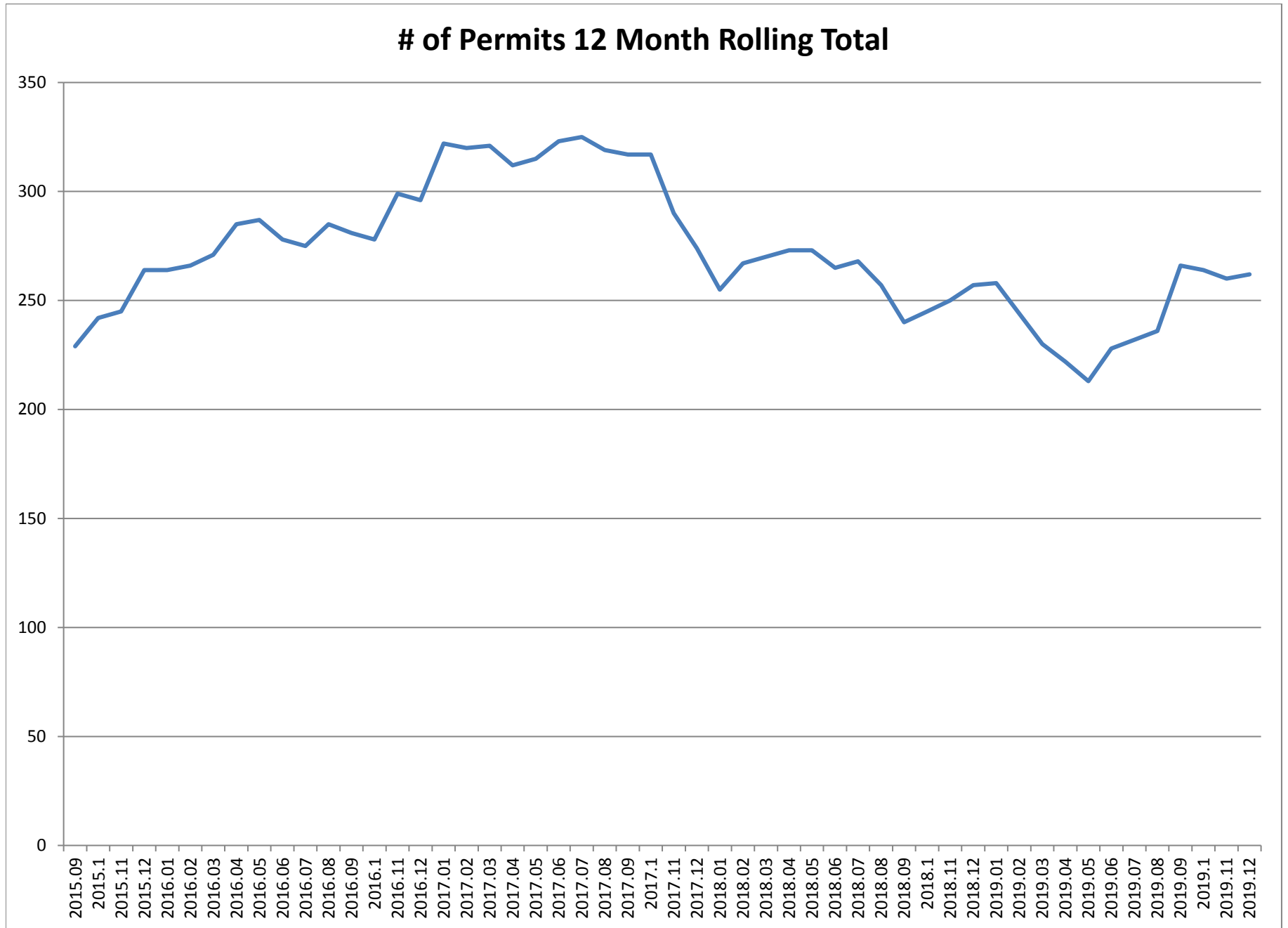
Total	17,440.84
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Note: The Graphs Below only Include Septic Permits in 2012 and beyond

Total Value of Permits 12 Month Rolling Total

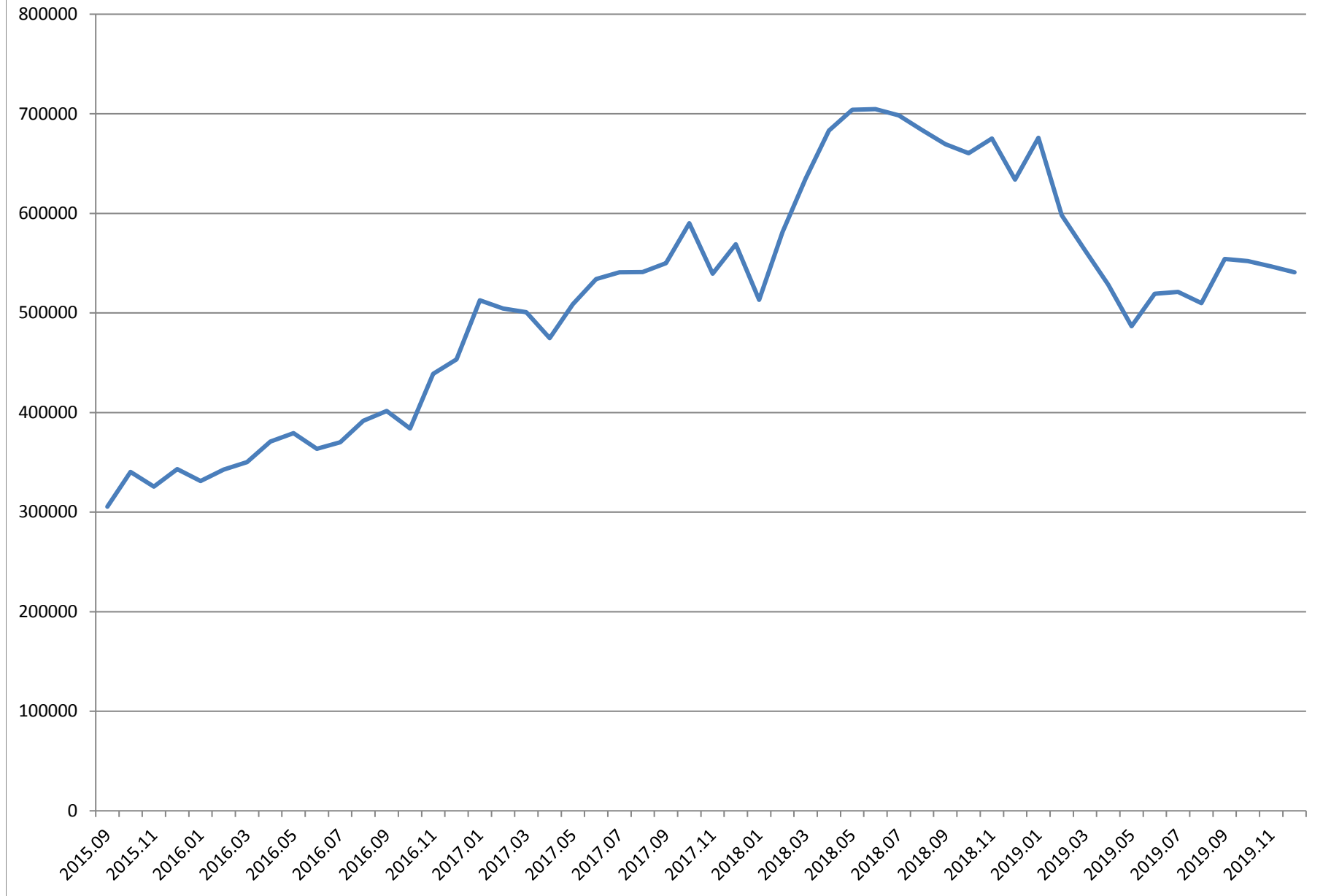


Note: The Graphs Below only Include Septic Permits in 2012 and beyond



Note: The Graphs Below only Include Septic Permits in 2012 and beyond

Permit Fees Collected 12 Month Rolling Total





REPORT REC-2020-001

TO: Mayor and Members of Council

FROM: Mike Fowler, Manager, Public Works and Parks

MEETING DATE: January 22, 2020

SUBJECT: Aberfoyle Public School Sledge Hockey Program

RECOMMENDATIONS

THAT Staff Report REC-2020-001, regarding the Aberfoyle Public School Sledge Hockey Program, be received.

Purpose

The purpose of this report is to inform Council of the changes to the 2020 Skating Schedule to accommodate the Aberfoyle Public School Sledge Hockey Program.

Background

Aberfoyle Public School has requested the use of the Optimist Recreation Centre Outdoor Rink for their Sledge Hockey Program. Two teachers will be attending with classes over the course of three days. The school will be providing their own equipment and instructors. The following is the schedule they have requested for their three-day program:

January 28th, 29th, and 30th, 2020

Session One: 8:40 A.M to 10:10 A.M.

Break: 10:10 A.M. to 10:55 A.M. (Flood)

Session Two: 11:00 A.M. to 12:30 P.M.

Break: 12:35 P.M. to 1:20 P.M. (Flood)

Session Three: 1:20 P.M. to 2:50 P.M.

The regular skating programs that will be impacted by the Sledge Hockey program are the following:

Tuesday, Wednesday, Thursday

Senior Skate: 10:00 A.M. to 11:00 A.M.

Adult Skate: 11:00 A.M. to 12:00 P.M.

Adult Shinny: 12:00 P.M. to 1:00 P.M.

Family Skate: 1:00 P.M. to 5:00 P.M.

All changes to the schedule will be posted on the website and at the Optimist Recreation Centre for the week leading up to the Sledge Hockey Program taking place.

Financial Implications

None

ATTACHMENTS

Attachment A – 2020 Skating Schedule

2020	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday				
10:00 am	Senior Skate 10am-11am	Senior Skate 10am-11am	Senior Skate 10am-11am	Senior Skate 10am-11am	Senior Skate 10am-11am	Parents & Tots with Sticks 10am-12pm	Adult Shinny 10am-11am				
10:30 am											
11:00 am	Adult Skate 11am-12pm	Adult Skate 11am-12pm	Adult Skate 11am-12pm	Adult Skate 11am-12pm	Adult Skate 11am-12pm		Private Rental 11am-12pm				
11:30 am											
12:00 pm	Adult Shinny 12pm-1pm	Adult Shinny 12pm-1pm	Adult Shinny 12pm-1pm	Adult Shinny 12pm-1pm	Adult Shinny 12pm-1pm	Private Rental 12pm-1pm	Private Rental 12pm-1pm				
12:30 pm											
1:00 pm	Family Skate 1pm-5pm	Family Skate 1pm-5pm	Family Skate 1pm-4pm	Family Skate 1pm-5pm	Family Skate 1pm-5pm	Family Skate 1pm-5pm	Family Skate 1pm-5pm				
1:30 pm											
2:00 pm											
2:30 pm											
3:00 pm			League Rental								
3:30 pm											
4:00 pm											
4:30 pm											
5:00 pm	Stick & Puck Ages 5-7 5pm-6pm	Stick & Puck Ages 8-12 5pm-6pm	Youth Shinny Ages 13-17 5pm-6:00pm	Private Rental 5pm-6pm	Stick & Puck Ages 5-7 5pm-6:30 pm	Stick & Puck Ages 8-12 5pm-6:30pm	Youth Shinny Ages 13-17 5pm-6:30pm				
5:30 pm											
6:00 pm	League Rental	League Rental	Ice Maintenance	League Rental	Ice Maintenance	Ice Maintenance	Ice Maintenance				
6:30 pm			League Rental								
7:00 pm	Family Skate 7pm-8pm	Family Skate 7pm-8pm	League Rental	League Rental	Family Skate 7pm-8pm	CLOSED	Family Skate 7pm-8pm				
7:30 pm											
8:00 pm	League Rental	League Rental		Private Rental 8pm-9pm	Ice Maintenance		Private Rental 8pm-9pm				
8:30 pm					League Rental						
9:00 pm	Private Rental 9pm-10pm			League Rental			Private Rental 9pm-10pm				
9:30 pm											
10:00 pm	CLOSED	CLOSED		CLOSED	CLOSED		CLOSED	CLOSED			
10:30 pm											

* February 15, 16 and 17 Family Day Schedule. Please check <http://optimistclubofpuslinch.com/images/Opt%20WCS2019.pdf> for full details.

Morrison Bypass Update

January 15, 2020

Meeting with Hon. Ted Arnott MPP, Speaker and Senior Ministry of Transportation Staff

- Meeting took place in the speaker's Office in Queen's Park.
- Participants included:
 - Hon. Ted Arnott MPP, Speaker
 - Township of Puslinch
 - Mayor Seeley
 - CAO Schwendinger
 - MTO
 - MPP Liaison – Minister's Office
 - Policy Advisor – Minister's Office
 - Manager of Engineering, West Region
 - Head of Planning and Design – West Region
 - 2 other senior MTO staff were connected via conference call
- Hon. Ted Arnott MPP started off the meeting with an excellent intro to the purpose of the meeting, the background of the project, key milestones to date, the numerous benefits of the project to Puslinch, the broader region, Southwest and indeed all of Ontario. Ted concluded with his very strong support of this project moving to construction as soon as possible.
- Mayor Seeley then highlighted in detail the municipal/local perspective of the entire project focussing on the key issues of economic development, the larger regional impacts, current impacts of highway traffic on Township and County roads and bridges (and budget impacts), safety issues, and land acquisition. Mayor Seeley also raised the issue of at a future meeting, looking at alternate locations that the Township would like to suggest which may be more appropriate for the proposed Commercial Vehicle Inspection Facilities
- Hon. Ted Arnott MPP voiced his support and confirmed everything Mayor Seeley said. Hon. Ted Arnott MPP went on to say it was his understanding that the Southern Highway Plan was to be released soon and that he strongly hopes that the Morrison Bypass project is included in that Plan, particularly since property acquisition is continuing.

- The Manager of Engineering and the Head of Planning and Design both then provided the following information:
 - The MTO currently has acquired almost all the property that is required for the entire project, and continues to work on acquiring the few remaining portions
 - Soils investigations necessary for the design are ongoing
 - Design work is underway
 - Archeology work is underway
 - Species at Risk work is underway
 - The MTO wants to be ready to go once the decision is made regarding the project
- CAO Schwendinger asked what does ready to go mean and also asked for an approximation of timeframes typically encountered for a project of this scope once a decision is made to proceed.
- MTO staff provided the following generalities based on past experience:
 - Ready to go means that all necessary investigations and studies are complete. Design work is advanced to 30% complete stage. This allows MTO to then go through a procurement process to hire a firm to finish the detailed design and commence construction.
 - Procurement process can take 12-18 months depending on approach selected for the project.
 - Once procurement is completed and a firm is retained, site work can begin in approximately 6-8 months
 - Construction for a project of this scope would be expected to be in the range of 3-4 years.
- General Observations
 - Design work is underway and continuing
 - Necessary fieldwork is underway and continuing
 - MTO wants to be ready to go once decision is made
 - Property procurement is almost done and is continuing
 - New government has not expressed or suggested a delay or pause in this project which was announced by previous government
 - While no firm confirmations were able to be provided by the MTO yet, it is generally considered to be a favourable indicator that the MTO is still expending funds and efforts on the project. Given the financial situation of the Province and the many projects requested and under consideration, this generally wouldn't typically be taking place on a project that wasn't being viewed favourably for proceeding.

MINUTES

MEMBERS PRESENT

Councillor John Sepulis, Chair
Deep Basi
Dan Kennedy
Dennis O'Connor
Paul Sadhra

MEMBERS ABSENT

None

OTHERS IN ATTENDANCE

Lynne Banks, Development and Legislative Coordinator
Zachary Prince, Planner, County of Wellington

1. OPENING REMARKS

The meeting was called to order at 7:00 pm. The Chair welcomed the gallery to the Committee of Adjustment and informed the gallery that there were no minor variance applications on the agenda for this meeting, and that the committee would proceed with the remaining items on the agenda.

2. DISCLOSURE OF PECUNIARY INTEREST

- None

3. APPROVAL OF MINUTES

Moved by: Dan Kennedy

Seconded by: Paul Sadhra

That the Minutes of the Committee of Adjustment meetings held Tuesday, November 12, 2019 be adopted.

CARRIED

4. APPLICATIONS FOR MINOR VARIANCE OR PERMISSION under section 45 of the Planning Act to be heard by the Committee this date:

- None

5. OTHER MATTERS

- None.

6. ADJOURNMENT

Moved by: Dennis O'Connor

Seconded by: Deep Basi

The Committee of Adjustment meeting adjourned at 7:02 p.m.

CARRIED

MINUTES

MEMBERS PRESENT

Councillor John Sepulis, Chair
Deep Basi
Dan Kennedy
Dennis O'Connor
Paul Sadhra

MEMBERS ABSENT

None

OTHERS IN ATTENDANCE

Lynne Banks, Development and Legislative Coordinator
Zachary Prince, Planner, County of Wellington
Nancy Shoemaker, Black, Shoemaker, Robinson & Donaldson Limited

1 - 6. COMMITTEE OF ADJUSTMENT

- See December 10, 2019 Committee of Adjustment minutes.

7. OPENING REMARKS

The meeting was called to order at 7:03 p.m. The Chair advised that the following portion of the Committee meeting will be reviewing and commenting on development planning applications.

8. DISCLOSURE OF PECUNIARY INTEREST

- None

9. APPROVAL OF MINUTES

Moved by: Dan Kennedy

Seconded by: Paul Sadhra

That the Minutes of the Planning & Development Advisory Committee Meeting held Tuesday, November 12, 2019, be adopted.

CARRIED

10. APPLICATION FOR SITE PLAN URBAN DESIGN REVIEW

- None

11. ZONING BY-LAW AMENDMENT

- None

12. LAND DIVISION

12(a) Severance Application B76/19 (D10/RAS) – Rasmussen, Frank and Eaglesham, Dora, Part Lot 27, Concession Gore, municipally known as 7189 Concession 1, Puslinch.

Proposed severance is 44.2 metres frontage x 95 metres = 0.419 hectares, vacant land for proposed rural residential use.

Retained parcel is 16.63 hectares with 28.79 metres frontage, existing and proposed rural residential use with existing house and two storage sheds.

- Nancy Shoemaker, agent for the applicant, provided an overview of the application and noted that the proposed severance is not impacted by the natural environment features, and further advised that the remainder of the property is impacted by the natural environment features. She also confirmed with the Township roads department that the site lines are appropriate and that Hamilton Conservation has no concerns with the proposed severance. She also advised that there is no opportunity for active agricultural activity on the property.
- Dennis O'Connor asked if MDS calculations were done, and if so, why there were not provided with the application.
- Nancy Shoemaker advised that with respect to the barn on the abutting property to the west, there was a previous severance affecting that property and it was shown that the barn was not capable of holding any animals and that there were no stalls for any animals. She further advised that the other barn had previous MDS calculations done and they were 113 meters and that the owner is over 228 metres from the barn as shown on the plan attached to the severance application.
- Zach Prince noted that the MDS calculation sheets are with the County for the severance and are approved by the County.
- John Sepulis asked that the County send the MDS sheets to the Township for this and all applicable applications.
- John Sepulis further inquired why the property wasn't "squared off" on the sketch.
- Nancy Shoemaker advised that she has been told not to exceed 0.4 metres as per the Township's Zoning By-law for previous severances so she tried to keep it at 0.4 metres.
- John Sepulis asked what the clearances are to the septic bed setbacks.
- Nancy Shoemaker advised that the setbacks are 10.6 meters and 56.0 metres, so the tile bed is at least 25.0 metres from the lot line.
- There were no further questions or comments.

Moved by: Dennis O'Connor

Seconded by: Deep Basi

The committee supports the application with the **following conditions** imposed:

1. That the Owner satisfy all the requirements of the Township of Puslinch, financial and otherwise (including taxes paid in full and Consent Review/Condition Clearance fee) which the Township may deem to be necessary at the time of issuance of the Certificate of Consent for the property and orderly development of the subject lands; and further that the Township of Puslinch file with the Secretary-Treasurer of the Planning and Land Division Committee a letter of clearance of this condition.
2. That the Owner obtain an approved Entrance Permit verifying safe access and site lines on the severed parcel from the Township of Puslinch; and further that the Township file with the Secretary-Treasurer of the Planning and Land Division Committee a letter of clearance of this condition.

CARRIED

13. OTHER MATTERS

- None

14. CLOSED MEETING

- None

15. NEXT MEETING



THE CORPORATION OF THE TOWNSHIP OF PUSLINCH
PLANNING & DEVELOPMENT ADVISORY COMMITTEE
DECEMBER 10, 2019
7:00 PM
COUNCIL CHAMBERS

- Next Regular Meeting Tuesday, January 14, 2020 @ 7:00 p.m.

16. ADJOURNMENT

Moved by: Dan Kennedy

Seconded by: Paul Sadhra

That the Planning & Development Advisory Committee is adjourned at 7:12 p.m.

CARRIED

THE CORPORATION OF THE TOWNSHIP OF PUSLINCH

BY-LAW NO 007-2020

A by-law to establish and define the discretionary reserves for the Corporation of the Township of Puslinch and to repeal By-law No. 020/15.

WHEREAS pursuant to Section 417 of the Municipal Act, S.O. 2001, c. 25 as amended, a municipality may provide in its budget for the establishment and maintenance of reserve funds for any purpose for which it has authority to spend money; and

WHEREAS Council has received Finance Report FIN-2019-030 “2020 Proposed Capital Budget” at its Capital Budget meeting held on September 25, 2019; and

WHEREAS the Council of the Corporation of the Township of Puslinch deems it expedient to establish Discretionary Reserves.

NOW THEREFORE the Council of the Corporation of the Township of Puslinch enacts as follows:

1. That the following Discretionary Reserves are hereby defined and established by the Corporation of the Township of Puslinch (“the Township”) for the purpose of meeting various liabilities and/or the stabilization of the tax levy.
 - (1) That the Asset Management Discretionary Reserve be established for the purpose of implementing the funding requirements for current infrastructure as noted in the 2019 Asset Management Plan.
 - (2) That the Corporate Information Technology Discretionary Reserve be established for the purpose of implementing the recommendations from the County of Wellington and its member municipalities Operational Services Efficiency Review in response to the Provincial Modernization Grant.
 - (3) That the Capital Carry-forward Discretionary Reserve be established for the purpose of maintaining allocated funding for capital projects approved in a previous budget but not yet complete.
 - (4) That the Operating Carry-forward Discretionary Reserve be established for the purpose of maintaining allocated funding for operational items approved in a previous budget but not yet complete.
 - (5) That the Election Discretionary Reserve be established for the purpose of funding the costs for running the election every four years.
 - (6) That the Corporate Insurance Contingency Discretionary Reserve be established for the purpose of funding the unrecoverable portion of insurance claims.
 - (7) That the Corporate Legal Contingency Discretionary Reserve be established for the purpose of funding major unrecoverable legal matters.
 - (8) That the Gravel Roads Improvement Discretionary Reserve be established for the purpose of improving the Township’s gravel roads as authorized by Council at its January 2, 2020 Budget Meeting.
 - (9) That the Public Works Winter Maintenance Discretionary Reserve be established for the purpose of funding winter maintenance costs as needed to offset unusual/severe winter weather conditions.
 - (10) That the Outstanding Deposits Discretionary Reserve be established to account for security and grading deposits ten years or older for the purpose of determining the status of these outstanding deposits.

2. Council shall determine annually during the budget process, an amount of money to be contributed to each of the Discretionary Reserves indicated in 1(1) to 1(8).
3. That the Surplus of funds from the Winter Maintenance operating accounts be captured annually and be allocated to the Discretionary Reserve indicated in 1(9). If the winter maintenance expenditures exceed the amount budgeted, the deficit is to be drawn from the Winter Maintenance Discretionary Reserve.
4. That the General Surplus as determined through the annual financial statement audit be allocated annually to the Discretionary Reserve indicated in 1(1) for the purpose of meeting future asset management obligations as approved by Council in Council Resolution No. 2019-347.
5. That By-law No. 020/15 is hereby repealed.

READ A FIRST, SECOND AND THIRD TIME AND FINALLY PASSED THIS 22nd DAY OF JANUARY 2020.

James Seeley, Mayor

Glenn Schwendinger, CAO/Clerk

THE CORPORATION OF THE TOWNSHIP OF PUSLINCH

BY-LAW NO. 008-2020

A by-law to adopt the Budget for the Corporation of the Township of Puslinch for the year 2020.

WHEREAS Section 290(1) of the Municipal Act, S.O. 2001, c. 25 as amended provides that a local municipality shall in the year or immediately preceding the year, prepare and adopt a budget including estimates of all sums required during the year for the purposes of the municipality; and

WHEREAS the budget of the Corporation of the Township of Puslinch for 2020 is described in detail in Schedule "A" and Schedule "B" of this By-law.

NOW THEREFORE the Council of the Corporation of the Township of Puslinch enacts as follows:

1. That the total estimated operating expenditures for the purposes of the Corporation of the Township of Puslinch ("the Township") for the year 2020 be adopted in the amount of \$5,096,073.
2. That the total estimated operating revenues for the purposes of the Township for the year 2020 be adopted in the amount of \$2,273,016.
3. That the total estimated capital expenditures for the purpose of the Township for the year 2020 be adopted in the amount of \$5,411,598.
4. That the general operating taxation levy to be raised on all rateable property in the Township for the year 2020 be adopted in the amount of \$2,866,694.
5. That the general capital taxation levy to be raised on all rateable property in the Township for the year 2020 be adopted in the amount of \$1,442,416.
6. That the Treasurer be authorized to withdraw funds from and contribute funds to the Township's discretionary reserves and restricted reserves as outlined in Schedule "A" and Schedule "B" of this By-law.
7. That any gas tax funds not required for those projects that identify the use of gas tax funds be directed to other qualified projects identified in Schedule "A" of this By-law.
8. That Schedules "A" and "B", annexed hereto, form part of this By-law.
9. If any section or portion of this by-law is found by a court of competent jurisdiction to be invalid, it is the intent of Council for the Township that all remaining sections and portions of this by-law continue in force and effect.

READ A FIRST, SECOND AND THIRD TIME AND FINALLY PASSED THIS 22nd DAY OF JANUARY 2020.

James Seeley, Mayor

Glenn Schwendinger, CAO/Clerk

**2020 Capital
Plan Summary**

Project Cost Service	Department	Capital Project	Classification	Funding Type Grant	Levy	Discretionary Reserve	Restricted Reserves	Grand Total
Fire and Rescue								
	Fire and Rescue							
		Self Contained Breathing Apparatus, SCBA Masks, and SCBA Cylinders	Asset Management			\$162,550		\$162,550
		Rescue 35 Truck - Asset No. 5035	Asset Management	\$10,000		\$510,000		\$520,000
		Power Hydraulic Toolset - Extrication Equipment - Asset No. 6_70FE	Asset Management			\$52,500		\$52,500
		Structural Firefighter Gear	Asset Management			\$9,063		\$9,063
General Government								
	Corporate							
		Asset Management	Reserve Contribution		\$1,208,766			\$1,208,766
		Corporate Information Technology	Reserve Contribution		\$10,000			\$10,000
		Marketing and Branding Implementation - Phase 2	Study/Plan	\$49,000	\$6,000			\$55,000
		Software System Enhancements or Replacement	Information Technology Enhancement			\$100,000		\$100,000
		Computer Equipment and Unsupported Windows Upgrade - 4002	Asset Management			\$10,532		\$10,532
	Finance							
		Community Benefits Charge Strategy and Development Charges Amendment	Study/Plan				\$22,500	\$22,500
	Municipal Office							

**2020 Capital
Plan Summary**

Project Cost Service	Department	Capital Project	Classification	Funding Type Grant	Levy	Discretionary_ Reserve	Restricted_ Reserves	Grand Total
		Building Condition Assessment, Arc Flash Study, Infra-red Scanning of Equipment	Study/Plan		\$10,850	\$4,650		\$15,500
		Replacement of condenser units - Fire area - Asset No. 59MC	Asset Management			\$7,000		\$7,000
		Water Softening Equipment - Asset No. 59MC	Asset Management			\$3,000		\$3,000
Parks and Recreation								
	ORC							
		Building Condition Assessment, Arc Flash Study, Infra-red Scanning of Equipment	Study/Plan		\$5,000			\$5,000
	Parks							
		Puslinch Community Centre Park - Back Soccer Fields - Asset No. 3080	New Asset	\$170,000			\$58,295	\$228,295
		Replacement of Benches at Morriston Meadows - Asset No. 3047	Asset Management			\$3,000		\$3,000
		Replacement of Fencing Backstop at Old Morriston - Asset No. 3059	Asset Management			\$3,668		\$3,668
	PCC							
		Building Condition Assessment, Arc Flash Study, Infra-red Scanning of Equipment	Study/Plan		\$5,000			\$5,000
		Water Softening Equipment - Asset No. 93PCC	Asset Management			\$3,000		\$3,000
Public Works								
	Public Works							

**2020 Capital
Plan Summary**

Project Cost Service	Department	Capital Project	Classification	Funding Type Grant	Levy	Discretionary_Reserve	Restricted_Reserves	Grand Total
		Traffic Count Study	Study/Plan		\$10,000		\$15,000	\$25,000
		Bridge and Culvert Inspections - 2021	Study/Plan		\$7,500			\$7,500
		Concession 1 - Sideroad 20 South to Concession 7 - Asset No. 16 and 17	Asset Management			\$404,261	\$63,634	\$467,895
		Brock Road Sidewalk - Asset No. 304	Asset Management	\$10,000		\$68,000		\$78,000
		Kerr Crescent - Stormwater Management Facility - Asset No. 12004	Asset Management			\$150,000		\$150,000
		Watson Road South - County Road 34 to McRae Station Road - Asset No. 133, 134, 136, and 137	Asset Management	\$168,923		\$139,856	\$440,000	\$748,779
		Backhoe - Asset No. 8001	Asset Management	\$30,000		\$107,000		\$137,000
		Moyer's Bridge - Asset No. 1009	Asset Management	\$527,062		\$105,438		\$632,500
		McLean Road/Concession 7 - Intersection of McLean Road/Concession 7 to County Road 34 - Asset No. 164 and 165	Asset Management	\$338,528		\$67,722		\$406,250
		2008 Dump Truck - 1.5 Ton - 305 - Asset No. 7003	Asset Management	\$30,000		\$125,000		\$155,000
		Gravel Roads Improvement	Reserve Contribution		\$114,300			\$114,300
		New Sidewalk - Northeast Side of Old Brock Road	New Asset		\$60,000			\$60,000
		Gravel Roads Study - Notice of Motion	Study/Plan		\$5,000			\$5,000
Grand Total				\$1,333,513	\$1,442,416	\$2,036,240	\$599,429	\$5,411,598

2021 Capital Plan Summary

Project Cost				Funding Type				
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_Reserves	Restricted_Reserves	Grand Total
Fire and Rescue								
	Fire and Rescue							
		Aerial 33 Truck - Tire Replacement - Asset No. 5033	Asset Management			\$5,238		\$5,238
		Satellite Station Land Acquisition Cost - Only required if the Township Assumes Fire Protection Services in the Cambridge Contracted Area	New Asset		\$102,500		\$307,500	\$410,000
		Structural Firefighter Gear	Asset Management			\$6,042		\$6,042
General Government								
	Corporate							
		Asset Management	Reserve Contribution		\$1,166,966			\$1,166,966
		Computer Equipment - 4002	Asset Management			\$10,000		\$10,000
		Corporate Information Technology	Reserve Contribution		\$10,000			\$10,000
		Marketing and Branding Implementation - Phase 3	Study/Plan	\$25,000				\$25,000
	Municipal Office							
		Replacement of John Wood Electric 48 USG Hot Water Tank - Asset No. 59MC	Asset Management			\$5,000		\$5,000
		Convert Lighting to LED and Install Motion Sensors	Asset Management			\$17,420		\$17,420
Parks and Recreation								
	ORC							
		Convert Lighting to LED	Asset Management			\$7,140		\$7,140
	Parks							
		Phase 1 of Parks Master Plan	New Asset	\$1,121,548			\$224,363	\$1,345,911

2021 Capital Plan Summary

Project Cost				Funding Type				
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_Reserves	Restricted_Reserves	Grand Total
		Replacement of Morriston Meadows Bleachers - Asset No. 3046	Asset Management			\$10,000		\$10,000
		Replacement of Morriston Meadows 6 Seat High Bleachers - Asset No. 3052	Asset Management			\$5,000		\$5,000
		Replacement of Morriston Meadows 6 Seat High Bleachers - Asset No. 3053	Asset Management			\$5,000		\$5,000
		Replacement of Badenoch Soccer Field: 3 Seat Bleacher - Asset No. 3068	Asset Management			\$2,000		\$2,000
		Pickup Truck - Trsfr from Public Works - Asset No. 7008	Asset Management			\$0		\$0
	PCC							
		Kitchen Renovation including Kitchen Washroom	Asset Management	\$10,000		\$90,000		\$100,000
		Convert Lighting to LED	Asset Management			\$2,660		\$2,660
	Public Works							
	Public Works							
		Bridge and Culvert Inspections - 2021	Study/Plan		\$7,500			\$7,500
		Transportation Master Plan including PCI Updates	Study/Plan		\$10,000		\$15,000	\$25,000
		Tandem Dump Truck- 302 - Asset No. 8014	Asset Management	\$30,000		\$300,000		\$330,000
		Pickup Truck- Director - 1/2 Ton - Asset No. 8019	Asset Management			\$40,000		\$40,000
		Tandem Dump Truck- 301 - Asset No. 8016	Asset Management	\$30,000		\$300,000		\$330,000
		Concession 4 - County Road 32 to Sideroad 10 North - Asset No. 56	Asset Management			\$168,800	\$281,200	\$450,000

2021 Capital Plan Summary

Project Cost				Funding Type				
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_Reserves	Restricted_Reserves	Grand Total
		McLean Road West - County Road 46 (Brock Road) to Concession 7 - Asset No. 40_Surface	Asset Management			\$298,510		\$298,510
		Fox Run Drive - Stormwater Management Facility - Asset No. 12013	Asset Management			\$165,000		\$165,000
		Carroll Pond & Lesic Jassal Municipal Drain - Closed Circuit Television Inspection - Asset No. 12009 (Cell 1), 12010 (Cell 2), 12011 (Cell 3)	Study/Plan		\$16,000			\$16,000
		Irish Creek Culvert On Townline Road - Asset Management Asset No. 2007				\$205,200		\$205,200
		Galt Creek Bridge Gore Road Lot 2 - Asset No. 1008	Asset Management			\$186,624	\$29,376	\$216,000
		Gilmour Culvert - Asset No. 2009	Asset Management			\$40,000		\$40,000
		Storm Water Management Pond Inspections	Study/Plan		\$5,000			\$5,000
		Storm Sewer Inspections and Cleaning	Study/Plan		\$10,000			\$10,000
Grand Total				\$1,216,548	\$1,327,966	\$1,869,634	\$857,439	\$5,271,587

2022 Capital Plan Summary

Project Cost				Funding Type				
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_Reserves	Restricted_Reserves	Grand Total
Fire and Rescue								
	Fire and Rescue							
		Satellite Station Building - Only required if the Township Assumes Fire Protection Services in the Cambridge Contracted Area			\$515,000		\$175,000	\$690,000
		Satellite Station Equipment - Only required if the Township Assumes Fire Protection Services in the Cambridge Contracted Area	New Asset		\$51,750			\$51,750
		Equipment for New Firefighters (9) - Only required if the Township Assumes Fire Protection Services in the Cambridge Contracted Area	New Asset				\$48,792	\$48,792
		Pump 32 Truck - Tire Replacement - Asset No. 5040	Asset Management			\$4,404		\$4,404
		Structural Firefighter Gear	Asset Management			\$0		\$0
General Government								
	Corporate							
		Asset Management	Reserve Contribution		\$838,716			\$838,716
		Microsoft Office License Upgrades - 4002	Asset Management			\$15,000		\$15,000
		Computer Equipment - 4002	Asset Management			\$10,000		\$10,000
		Computer Equipment - 4002 - New Term of Council	Asset Management			\$9,000		\$9,000
		Corporate Information Technology	Reserve Contribution		\$10,000			\$10,000
	Municipal Office							
		Furnace, Condenser Units, HVAC distribution ductwork- Asset No. 59MC	Asset Management			\$20,000		\$20,000
		Heat Recovery Unit in Municipal Offices - Asset No. 59MC	Asset Management			\$5,000		\$5,000
		Damper Control System in Municipal Offices - Asset No. 59MC	Asset Management			\$10,000		\$10,000

2022 Capital Plan Summary

Project Cost					Funding Type				
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_Reserves	Restricted_Reserves	Grand Total	
Parks and Recreation									
	Parks								
		Phase 2 of Parks Master Plan	New Asset	\$294,244			\$46,862	\$341,106	
		Replacement of Horse Paddock Bleachers - Asset No. 3036	Asset Management			\$30,000		\$30,000	
		Replace Lights and Upgrade Washrooms at Old Morriston Park	Asset Management	\$170,827			\$34,174	\$205,000	
Public Works									
	Public Works								
		Bridge and Culvert Inspections-2023	Study/Plan		\$7,500			\$7,500	
		Leslie Road West - Watson Road South to Bridge 5 (Mountsberg) - Asset No. 22	Asset Management			\$20,000		\$20,000	
		Grader- 501 - Asset No. 8002	Asset Management			\$350,000		\$350,000	
		McLean Road East - Brock Road South to Winer Road - Asset No. 158	Asset Management			\$147,854		\$147,854	
		Gilmour Culvert - Asset No. 2009	Asset Management			\$246,560	\$293,440	\$540,000	
		Carriage Lane - Stormwater Management Facility - Asset No. 12007	Asset Management			\$165,000		\$165,000	
		Little's Bridge - Asset No. 1003	Asset Management			\$25,000		\$25,000	
		Storm Sewers - Geolocation of catch basins	Study/Plan		\$5,000			\$5,000	
Grand Total					\$465,070	\$1,427,966	\$1,057,818	\$598,268	\$3,549,122

2023 Capital Plan Summary

Project Cost				Funding Type				
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_Reserves	Restricted_Reserves	Grand Total
Fire and Rescue								
	Fire and Rescue							
		Structural Firefighter Gear	Asset Management			\$12,084		\$12,084
General Government								
	Corporate							
		Asset Management	Reserve Contribution		\$1,510,466			\$1,510,466
		Computer Equipment - 4002	Asset Management			\$10,000		\$10,000
		Corporate Information Technology	Reserve Contribution		\$10,000			\$10,000
	Municipal Office							
		Power Distribution Equipment (feeders, panels, main disconnect switch) - Asset No. 21MC	Asset Management			\$20,000		\$20,000
Parks and Recreation								
	Parks							
		Replacement of Old Morriston 6 Seat Concrete Bleachers - Asset No. 3060	Asset Management			\$10,000		\$10,000
		Parking Lot & Associated Enhancements (curbing, entrance, and additional lighting) at the Puslinch Community Centre - Asset No. 3082	Asset Management	\$61,000		\$239,000		\$300,000
Public Works								
	Public Works							
		Bridge and Culvert Inspections-2023	Study/Plan		\$7,500			\$7,500
		Concession 7- Concession 2A to Mason Road - Asset No. 115	Asset Management			\$129,112		\$129,112
		Concession 7- Mason Road to McLean Road West - Asset No. 116	Asset Management			\$46,868		\$46,868
		Leslie Road West - Watson Road South to Bridge 5 (Mountsberg) - Asset No. 22	Asset Management			\$259,200	\$40,800	\$300,000

2023 Capital Plan Summary

Project Cost				Funding Type				
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_Reserves	Restricted_Reserves	Grand Total
		Bridlepath - Asset No. 204_Surface	Asset Management			\$168,258		\$168,258
		Single Axle Dump Truck-303 - Asset No. 8017	Asset Management			\$225,000		\$225,000
		Leslie Road West - Mountsberg Bridge to Curve at Highway 401 - Asset No. 23	Asset Management			\$119,823	\$18,861	\$138,684
		Leslie Road West - Curve at Highway 401 to Puslinch-Flamborough Townline - Asset No. 25	Asset Management			\$115,235		\$115,235
		Little's Bridge - Asset No. 1003	Asset Management			\$224,640	\$35,360	\$260,000
		Bridlepath - Bridle Path Split to Brock Road South - Asset No. 185_Surface	Asset Management			\$67,247		\$67,247
		Winer Road - McLean Road to dead end. - Asset No. 212A and 212B_SURFACE	Asset Management			\$210,053	\$33,064	\$243,117
		Sideroad 10 North - Forestell Road to Laird Road West - Asset No. 97	Asset Management			\$117,635		\$117,635
		Puslinch-Flamborough Townline - Leslie Road West to Township Limits - Asset No. 148	Asset Management			\$34,166		\$34,166
		Maltby Road East - Victoria Road South to Watson Road South - Asset No. 63A and 63B	Asset Management			\$198,761	\$31,286	\$230,048
		McRae Station Road - Watson Road South to Concession 14 East - Asset No. 132	Asset Management			\$38,228		\$38,228
		Roszell Road - Forestell Road to Townline Road - Asset No. 90 and 54a	Asset Management			\$6,713	\$255,686	\$262,400
		Townline Road - Roszell Road to County Road 34 - Asset No. 88	Asset Management			\$165,368		\$165,368
Grand Total				\$61,000	\$1,527,966	\$2,417,391	\$415,058	\$4,421,415

2024 Capital Plan Summary

Project Cost				Funding Type				
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_Reserves	Restricted_Reserves	Grand Total
Building								
	Building							
		Pickup Truck - Mid-Size - Asset No. 7005B	Asset Management			\$33,000		\$33,000
Fire and Rescue								
	Fire and Rescue							
		Tanker 37 Truck - Tire Replacement - Asset No. 7006	Asset Management			\$1,746		\$1,746
		Pickup Truck - Mid-Size - Asset No. 7005A	Asset Management			\$23,000		\$23,000
		Motorized Water Vessel - Only required if the Township Assumes Fire Protection Services in the Cambridge Contracted Area	New Asset				\$50,000	\$50,000
		Cargo Trailer - Only required if the Township Assumes Fire Protection Services in the Cambridge Contracted Area	New Asset				\$8,000	\$8,000
		Structural Firefighter Gear	Asset Management			\$9,063		\$9,063
General Government								
	Corporate							
		Website Redesign	Information Technology Enhancement	\$20,000		\$20,000		\$40,000
		Asset Management	Reserve Contribution		\$1,393,590			\$1,393,590
		Server Replacement - 4001	Asset Management			\$42,000		\$42,000
		Computer Equipment - 4002	Asset Management			\$10,000		\$10,000
		Corporate Information Technology	Reserve Contribution		\$10,000			\$10,000
	Finance							
		2024 Development Charges Background Study	Study/Plan		\$2,100		\$18,900	\$21,000

2024 Capital Plan Summary

Project Cost				Funding Type				
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_Reserves	Restricted_Reserves	Grand Total
		Asset Management Plan and Policy Updates	Study/Plan		\$8,776		\$1,224	\$10,000
	Municipal Office							
		Gas Fired Infra-Red Heaters in Public Works Area - Asset No. 59MC	Asset Management			\$6,000		\$6,000
		UV Pure Water Treatment System - Asset No. 59MC	Asset Management			\$10,000		\$10,000
		Window and Door Replacement Program and Air Curtain on Front Doors - Asset No. 46MC	Asset Management			\$100,000		\$100,000
Parks and Recreation								
	Parks							
		Tree Program and Inspections	Study/Plan		\$6,000			\$6,000
	PCC							
		Replacement of UV Pure Water Treatment System - Asset No. 93PCC	Asset Management			\$7,500		\$7,500
		Replacement of Sanitary Pumps and Control System - Asset No. 93PCC	Asset Management			\$5,000		\$5,000
		Window and Door Replacement Program - Asset No. 9PCC	Asset Management			\$100,000		\$100,000
Public Works								
	Public Works							
		Bridge and Culvert Inspections-2025	Study/Plan		\$7,500			\$7,500
		Concession 2- Sideroad 20 South to Concession 7 - Asset No. 35 and 36	Asset Management			\$383,453	\$60,358	\$443,811
		Watson Road South - County Road 37 (Arkell Road) to Maltby Road East - 139 and 140	Asset Management				\$276,859	\$276,859
		Victoria Street And Church Street - Calfass Road to Queen Street (Highway 6) - Asset No. 28_Surface	Asset Management			\$42,618		\$42,618

2024 Capital Plan Summary

Project Cost				Funding Type				
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_Reserves	Restricted_Reserves	Grand Total
		Maple Leaf Lane - County Road 46 to dead end - Asset No. 52	Asset Management			\$80,697		\$80,697
		Watson Road South - County Road 37 (Arkell Road) to Maltby Road East - Asset No. 139 and 140	Asset Management			\$141,221		\$141,221
		Maddaugh Road - Highway 6 to Gore Road - Asset No. 120	Asset Management	\$25,594		\$25,594		\$51,188
		Maddaugh Road - 14th Concession East to Highway 6 - Asset No. 121A	Asset Management	\$26,658		\$26,658		\$53,316
		Maddaugh Road - Puslinch-Flamborough Townline to 14th Concession East - Asset No. 121B	Asset Management	\$24,785		\$24,785		\$49,569
		Sideroad 20 North - County Road 34 to Forestell Road - Asset No. 108 and 166	Asset Management			\$309,469	\$48,713	\$358,181
		Concession 1 - Leslie Road West to Highway 6 - Asset No. 19	Asset Management			\$52,316		\$52,316
		Concession 1/Leslie Rd W - Concession 7 to Highway 6 - Asset No. 18	Asset Management			\$276,116		\$276,116
		Nassagaweya-Puslinch Townline - County Road 34 to Maltby Road East - Asset No. 153	Asset Management	\$54,921		\$54,921		\$109,842
		Nassagaweya-Puslinch Townline - Hume Road to Maltby Road East - Asset No. 154	Asset Management	\$28,974		\$28,974		\$57,948
		Nassagaweya-Puslinch Townline - Hume Road to Arkell Road (County Road 37) - Asset No. 155	Asset Management	\$21,613		\$21,613		\$43,225
		Guiderail Allowances - Bridges and Culverts - Asset No. 2004, 2005, 2014, 2019	New Asset		\$200,000			\$200,000
Grand Total				\$202,544	\$1,627,966	\$1,835,742	\$464,054	\$4,130,305

2025 Capital Plan Summary

Project Cost				Funding Type				
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_Reserves	Restricted_Reserves	Grand Total
Building								
	Building							
		Tablet	Information Technology Enhancement			\$9,000		\$9,000
Fire and Rescue								
	Fire and Rescue							
		Fire Master Plan	Study/Plan		\$17,600		\$26,400	\$44,000
		Defibrillators Fire & Rescue Service Trucks - Asset No. 12_41FE	Asset Management			\$15,000		\$15,000
		Defibrillators - Municipal Buildings- Asset No. 1212_41FE	Asset Management			\$4,500		\$4,500
		Pump 31 Truck - Asset No. 5031	Asset Management			\$468,000		\$468,000
		Structural Firefighter Gear	Asset Management			\$42,294		\$42,294
General Government								
	Corporate							
		Community Based Strategic Plan	Study/Plan		\$16,500		\$13,500	\$30,000
		Asset Management	Reserve Contribution		\$1,633,366			\$1,633,366
		Computer Equipment - 4002	Asset Management			\$10,000		\$10,000
		Corporate Information Technology	Reserve Contribution		\$10,000			\$10,000
Parks and Recreation								
	PCC							
		Recreation and Parks Master Plan	Study/Plan		\$23,000		\$27,000	\$50,000
Public Works								
	Public Works							
		Bridge and Culvert Inspections-2025	Study/Plan		\$7,500			\$7,500
		Pickup truck-Staff - 3/4 Ton - Asset No. 7009	Asset Management			\$52,000		\$52,000
		Gore Road - Valens Road to Concession 7 - Asset No. 5	Asset Management	\$86,528			\$86,528	\$173,056

2025 Capital Plan Summary

Project Cost				Funding Type				
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_Reserves	Restricted_Reserves	Grand Total
		Gore Road - Concession 7 to Lennon Road - Asset No. 6	Asset Management	\$50,337		\$50,337		\$100,674
		Gore Road- Maddaugh Road to Lennon Road - Asset No. 7	Asset Management	\$64,965		\$64,965		\$129,930
		Gore Road - Sideroad 20 South to Valens Road - Asset No. 4	Asset Management	\$147,745			\$147,745	\$295,490
		Laird Road West - Country Road 32 - dead end - Asset No. 71	Asset Management			\$45,360		\$45,360
		Old Brock Road - County Road 46 to dead end	Asset Management			\$50,285		\$50,285
		Street Lights - Pole and Arm Inspections	Study/Plan		\$20,000			\$20,000
Grand Total				\$349,575	\$1,727,966	\$811,741	\$301,173	\$3,190,455

2026 Capital Plan Summary

Project Cost				Funding Type				
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_Reserves	Restricted_Reserves	Grand Total
Fire and Rescue								
	Fire and Rescue							
		Portable Pumps - Asset No. 13_89FE	Asset Management			\$15,000		\$15,000
		Structural Firefighter Gear	Asset Management			\$9,063		\$9,063
General Government								
	Corporate							
		Asset Management	Reserve Contribution		\$1,803,466			\$1,803,466
		Computer Equipment - 4002	Asset Management			\$10,000		\$10,000
		Computer Equipment - 4002 - New Term of Council	Asset Management			\$9,000		\$9,000
		Corporate Information Technology	Reserve Contribution		\$10,000			\$10,000
Parks and Recreation								
	ORC							
		Floor Scrubber - Asset No. 4060	Asset Management			\$8,000		\$8,000
	Parks							
		Pickup Truck - Trsfr from Public Works - Asset No. 7008	Asset Management			\$0		\$0
		Improvements to Tennis Courts - Asset No. 14003	Asset Management			\$10,000		\$10,000
		Playground area at Boreham Park (also known as Arkell Park) - Asset No. 3075	Asset Management	\$10,000			\$65,000	\$75,000
		Light Poles Replacement at the Puslinch Community Centre Grounds - Asset No. 3028	Asset Management			\$5,200		\$5,200
		Fencing Replacement at the Puslinch Community Centre Grounds - Asset No. 3029	Asset Management			\$9,694		\$9,694
		Fencing Replacement at the Badenoch Soccer Field (East Side) - Asset No. 3070	Asset Management			\$14,934		\$14,934
Public Works								

2026 Capital Plan Summary

Project Cost				Funding Type				
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_Reserves	Restricted_Reserves	Grand Total
	Public Works							
		Bridge and Culvert Inspections-2027	Study/Plan		\$7,500			\$7,500
		Pickup Truck- Director - 1/2 Ton - Asset No. 8019	Asset Management			\$40,000		\$40,000
		Concession 1 - Sideroad 10 South to County Road 35 - Asset No. 14	Asset Management			\$202,616	\$31,893	\$234,510
		Mason Road - Concession 7 to dead end - Asset No. 38	Asset Management			\$25,238		\$25,238
		Concession 4 - Sideroad 20 North to curve in road - Asset No. 160	Asset Management			\$50,656		\$50,656
		Concession 4 - Curve in Road to Highway 6 - Asset No. 161	Asset Management			\$38,310		\$38,310
		Concession 4 - County Road 35 to Sideroad 20 North - Asset No. 59	Asset Management			\$202,578	\$31,887	\$234,465
		Leslie Road West - Victoria Road South to Watson Road South - Asset No. 21	Asset Management			\$8,495	\$220,000	\$228,495
		Gilmour Road - County Road 46 (Brock Road) to Subdivision Entrance - Asset No. 46_SURFACE	Asset Management			\$37,404		\$37,404
		Smith Road - Concession 7 to County Road 34 - Asset No. 48	Asset Management			\$37,631		\$37,631
		Deer View Ridge - Hammersley Drive to Fox Run Drive - Asset No. 195	Asset Management			\$86,702	\$13,648	\$100,350
		Carroll Pond & Lesic Jassal Municipal Drain - Sediment Survey - Asset No. 12009 (Cell 1), 12010 (Cell 2), 12011 (Cell 3)	Study/Plan		\$7,000			\$7,000
Grand Total				\$10,000	\$1,827,966	\$820,522	\$362,428	\$3,020,916

2027 Capital Plan Summary

Project Cost				Funding Type			
Service	Department	Capital Project	Classification	Levy	Discretionary_Reserves	Restricted_Reserves	Grand Total
Fire and Rescue							
	Fire and Rescue						
		Washer/Extractor - Asset No. 9_104FE	Asset Management		\$10,000		\$10,000
		Gear Dryer - Asset No. 10_2FE	Asset Management		\$6,000		\$6,000
		Thermal Imaging Camera - Asset No. 8_94FE	Asset Management		\$6,000		\$6,000
		Structural Firefighter Gear	Asset Management		\$15,105		\$15,105
General Government							
	Corporate						
		Asset Management	Reserve Contribution	\$1,910,466			\$1,910,466
		Microsoft Office License Upgrades - 4002	Asset Management		\$15,000		\$15,000
		Computer Equipment - 4002	Asset Management		\$10,000		\$10,000
		Corporate Information Technology	Reserve Contribution	\$10,000			\$10,000
Parks and Recreation							
	PCC						
		Rebalancing of HVAC system - Asset No. 93PCC	Asset Management		\$5,000		\$5,000
Public Works							
	Public Works						
		Bridge and Culvert Inspections-2027	Study/Plan	\$7,500			\$7,500
		Fox Run Drive - transition to curb to County Road 46 - Asset No. 205 and 206	Asset Management		\$54,254		\$54,254
		Concession 2 - Country Road 35 to Side Road 20 - Asset No. 34	Asset Management			\$237,573	\$237,573
		Victoria Road Culvert Over Galt Creek - Asset No. 2006	Asset Management		\$111,974	\$17,626	\$129,600
		Victoria Road Culvert North of Leslie - Asset No. 2013	Asset Management		\$129,600		\$129,600
		Ellis Road Culvert Over Puslinch Lake Irish Creek - Asset No. 2010	Asset Management		\$289,267	\$45,533	\$334,800

2027 Capital Plan Summary

Project Cost				Funding Type			
Service	Department	Capital Project	Classification	Levy	Discretionary_Reserves	Restricted_Reserves	Grand Total
		Fox Run Drive - Deer View Ridge to Fox Run Drive transition to curb - Asset No. 196	Asset Management		\$62,153		\$62,153
		Fox Run Drive to Fox Run Drive - Asset No. 207	Asset Management		\$98,630		\$98,630
Grand Total				\$1,927,966	\$812,983	\$300,731	\$3,041,680

2028 Capital Plan Summary

Project Cost				Funding Type				
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_Reserves	Restricted_Reserves	Grand Total
Fire and Rescue								
	Fire and Rescue							
		Aerial 33 Truck - Asset No. 5033	Asset Management			\$500,000		\$500,000
		Tanker 38 Truck - Tire Replacement - Asset No. 5038	Asset Management			\$5,538		\$5,538
		Structural Firefighter Gear	Asset Management			\$12,084		\$12,084
General Government								
	Corporate							
		Asset Management	Reserve Contribution		\$1,924,066			\$1,924,066
		Computer Equipment - 4002	Asset Management			\$10,000		\$10,000
		Corporate Information Technology	Reserve Contribution		\$10,000			\$10,000
	Municipal Office							
		Replacement of metal roofing panels - Asset No. 56MC	Asset Management			\$125,000		\$125,000
		Roads Storage Building Roof Rehabilitation - Asset No. 95RSB	Asset Management			\$15,000		\$15,000
		Municipal Complex: Parking Lot Municipal Complex - Asset No. 15002	Asset Management			\$162,750		\$162,750
Parks and Recreation								
	Parks							
		Replacement of metal roofing panels in Blue Storage Building Behind PCC - Asset No. 71BSBBPCC	Asset Management			\$30,000		\$30,000
		Kabota Lawnmower - Asset No. 7007	Asset Management	\$5,000		\$25,000		\$30,000
		Gravel Road Rehabilitation at Old Morriston Park - Asset No. 3056	Asset Management			\$7,740		\$7,740
	PCC							
		Replacement of metal roofing panels - Asset No. 67PCC	Asset Management			\$100,000		\$100,000
Public Works								
	Public Works							

2028 Capital Plan Summary

Project Cost				Funding Type				
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_Reserves	Restricted_Reserves	Grand Total
		Traffic Calming - Streetscaping Morriston - Phase 2	New Asset		\$86,400		\$13,600	\$100,000
		Bridge and Culvert Inspections-2029	Study/Plan		\$7,500			\$7,500
		Single Axle Dump Truck- 304 - Asset No. 8013 - Proposed to be a Tandem Axle Dump	Asset Management	\$30,000		\$300,000		\$330,000
		Puslinch-Flamborough Townline - Victoria Road South to Maddaugh Road - Asset No. 9	Asset Management			\$61,288		\$61,288
		Puslinch-Flamborough Townline - 14th Concession East to Victoria Road South - Asset No. 10	Asset Management			\$75,390		\$75,390
		Concession 1 - Transition to Transition - Asset No. 13A	Asset Management			\$91,397	\$269,016	\$360,413
		Beiber Road - Nicholas Beaver Road to private property - Asset No. 214	Asset Management			\$25,593		\$25,593
		Niska Road - Bailey Bridge to Whitelaw Road - Asset No. 78	Asset Management			\$68,844		\$68,844
		Telfer Glen - Queen Street (Highway 6) to dead end - Asset No. 190	Asset Management			\$105,215		\$105,215
		Main Street - Back Street to Morriston Ball Park - Asset No. 29	Asset Management			\$29,021		\$29,021
		Main Street and Back Street - Asset No. 30	Asset Management			\$39,165		\$39,165
		Victoria Road South - County Road 34 to Maltby Road East - Asset No. 126	Asset Management			\$203,145	\$31,977	\$235,122
		Sideroad 10 North - Concession Road 4 to Forestell Road - Asset No. 96	Asset Management			\$113,400		\$113,400
Grand Total				\$35,000	\$2,027,966	\$2,105,571	\$314,593	\$4,483,129

2029 Capital Plan Summary

Project Cost				Funding Type				
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_Reserves	Restricted_Reserves	Grand Total
Fire and Rescue								
	Fire and Rescue							
		Thermal Imaging Camera - Asset No. 8_93FE	Asset Management			\$6,000		\$6,000
		Structural Firefighter Gear	Asset Management			\$15,105		\$15,105
General Government								
	Corporate							
		Asset Management	Reserve Contribution		\$2,110,466			\$2,110,466
		Computer Equipment - 4002	Asset Management			\$10,000		\$10,000
		Corporate Information Technology	Reserve Contribution		\$10,000			\$10,000
	Municipal Office							
		Exterior wall rehabilitation - Asset No. 46MC	Asset Management			\$25,000		\$25,000
		Replacement of furnaces - Fire area - Asset No. 59MC	Asset Management			\$20,000		\$20,000
		Replacement of washroom plumbing fixtures - Asset No. 59MC	Asset Management			\$5,000		\$5,000
		Replacement of fire alarm system (fire extinguishers, panels, bells, pullstations, heat & smoke detectors) - Asset No. 1MC	Asset Management			\$15,000		\$15,000
Parks and Recreation								
	PCC							
		Exterior wall rehabilitation - Asset No. 9PCC	Asset Management			\$35,000		\$35,000
		Replacement of fire alarm system (fire extinguishers, panels, bells, pullstations, heat & smoke detectors) - Asset No. 40PCC	Asset Management			\$5,000		\$5,000
Public Works								
	Public Works							
		Bridge and Culvert Inspections-2029	Study/Plan		\$7,500			\$7,500

2029 Capital Plan Summary

Project Cost				Funding Type				
Service	Department	Capital Project	Classification	Grant	Levy	Discretionary_Reserves	Restricted_Reserves	Grand Total
		Tandem Dump Truck- 302 - Asset No. 8014	Asset Management	\$30,000		\$300,000		\$330,000
		Tandem Dump Truck- 301 - Asset No. 8016	Asset Management	\$30,000		\$300,000		\$330,000
		Nicholas Beaver Road - Brock Road South to Winer Road - Asset No. 162_SURFACE	Asset Management			\$124,804	\$19,645	\$144,449
		Ellis Road - Sideroad 10 North to 6725 Ellis Road - Asset No. 45A	Asset Management			\$57,964		\$57,964
		Ellis Road - transition to County Road 32 - Asset No. 45B	Asset Management			\$176,667	\$27,809	\$204,475
		Boreham Drive - County Road 37 (Arnell Road) to County Road 41 (Watson Road South) - Asset No. 208_SURFACE	Asset Management			\$66,683		\$66,683
		Hume Road - Nassagaweya-Puslinch Townline to Watson Road South - Asset No. 77	Asset Management			\$229,625	\$36,145	\$265,769
		Sideroad 10 North - County Road 34 to transition - Asset No. 95b	Asset Management			\$8,732		\$8,732
		Sideroad 10 North - Wellington Road 34 to Ellis Road - Asset No. 94	Asset Management				\$226,800	\$226,800
Grand Total				\$60,000	\$2,127,966	\$1,400,580	\$310,398	\$3,898,944

2020 Proposed Operating Budget

	2017 Actuals	2018 Actuals	2019 YTD	2019 Budget	2020 Budget
Administration					
Expenditures					
FT Wages	\$231,212	\$238,816	\$173,458	\$256,859	\$291,808
PT Wages	\$32,533	\$37,922	\$16,248	\$20,630	\$4,252
OT Wages	\$1,371	\$1,525	\$0	\$500	\$500
FT Wage Related Expenses	\$39,982	\$41,491	\$32,996	\$44,625	\$51,167
PT Wage Related Expenses	\$2,791	\$3,381	\$2,106	\$1,922	\$400
Manulife Benefits	\$31,664	\$36,392	\$20,135	\$29,129	\$28,853
WSIB	\$6,382	\$7,175	\$6,602	\$7,217	\$7,554
Office Supplies & Equipment	\$1,558	\$930	\$2,192	\$1,200	\$1,200
Communication (phone, fax, internet)	\$1,630	\$1,861	\$1,569	\$1,836	\$1,836
Professional Fees - Legal	\$31,610	\$62,644	\$31,259	\$48,500	\$23,500
Professional Fees - Engineering	\$24,029	\$16,088	\$14,912	\$55,640	\$55,640
Events and Other	\$11,494	\$9,682	\$9,212	\$10,775	\$11,275
Mileage	\$1,984	\$2,008	\$948	\$2,000	\$2,000
Professional Development	\$20,680	\$17,683	\$4,884	\$40,843	\$30,408
Membership and Subscription Fees	\$8,925	\$9,132	\$9,838	\$10,871	\$10,871
Employee Travel - Meals	\$78	\$154	\$25	\$200	\$200
Employee Travel - Accom/Parking	\$2,272	\$760	\$1,450	\$1,200	\$1,200
Employee Travel - Air Fare	\$303	\$0	\$0	\$500	\$500
Insurance	\$61,113	\$59,617	\$58,949	\$64,960	\$72,423
Advertising	\$1,886	\$2,637	\$5,786	\$2,900	\$2,250
Ground Water Monitoring	\$4,416	\$3,385	\$4,259	\$3,500	\$3,500
Contract Services	\$0	\$1,978	\$68,329	\$17,000	\$7,000
Expenditures Total	\$517,915	\$555,262	\$465,157	\$622,807	\$608,335
ReserveTransfers					
Transfer from Operating Carryforward	-\$23,632	-\$19,840	\$0	\$0	\$0
Transfer from Legal Contingency	\$0	-\$115,212	-\$63,181	\$0	\$0
Contribution to Legal Contingency	\$5,000	\$361,100	\$50,000	\$50,000	\$50,000
Transfer from Insurance Contingency	-\$25,000	-\$7,658	-\$6,070	-\$10,000	-\$14,900
Contribution to Insurance Contingency	\$5,000	\$0	\$25,000	\$25,000	\$25,000
ReserveTransfers Total	-\$38,632	\$218,389	\$5,749	\$65,000	\$60,100
Revenues					

	2017 Actuals	2018 Actuals	2019 YTD	2019 Budget	2020 Budget
Agreement, Commissioner and FOI, Photocopies	-\$965	-\$1,107	-\$1,611	-\$1,200	-\$1,300
Eng., Env., and Legal Recoveries	-\$3,660	-\$3,000	-\$3,603	-\$2,500	-\$2,500
Recoveries from Staff Events	-\$1,649	-\$1,403	-\$343	-\$1,200	-\$1,300
Other recoveries	-\$516	\$0	\$0	-\$500	-\$500
Nestle Agreement	\$0	-\$500	-\$500	-\$500	-\$500
Ontario Cannabis Legalization Implementation Fund	\$0	\$0	-\$15,000	-\$10,000	\$0
Revenues Total	-\$6,790	-\$6,011	-\$21,057	-\$15,900	-\$6,100

	2017 Actuals	2018 Actuals	2019 YTD	2019 Budget	2020 Budget
Building					
Expenditures					
FT Wages	\$117,055	\$140,975	\$170,540	\$223,041	\$237,282
PT Wages	\$0	\$8,060	\$6,104	\$6,975	\$2,280
OT Wages	\$1,424	\$0	\$0	\$500	\$500
FT Wage Related Expenses	\$21,262	\$21,405	\$30,435	\$38,835	\$42,588
PT Wage Related Expenses	\$0	\$651	\$281	\$650	\$215
Manulife Benefits	\$13,213	\$12,710	\$17,685	\$28,903	\$28,728
WSIB	\$3,597	\$4,809	\$5,642	\$7,061	\$7,021
Computer Software & Hardware	\$340	\$380	\$1,776	\$250	\$250
Office Supplies	\$9,571	\$4,020	\$3,560	\$5,000	\$5,000
Hydro	\$2,395	\$0	\$0	\$0	\$0
Heat	\$1,580	\$0	\$0	\$0	\$0
Fuel	\$1,632	\$1,461	\$0	\$1,500	\$1,500
Water Protection	\$53	\$0	\$0	\$0	\$0
Signage	\$0	\$0	\$0	\$0	\$0
Cleaning, Maint & supplies for Bldg	\$7,001	\$0	\$0	\$0	\$0
Kitchen Supplies and Equipment	\$597	\$0	\$0	\$0	\$0
Vehicle Maintenance	\$94	\$470	\$233	\$600	\$600
Outdoor Maintenance of Building	\$226	\$0	\$0	\$0	\$0
Postage	\$3,893	\$3,186	\$2,012	\$3,000	\$3,000
Communication (phone, fax, internet)	\$2,901	\$2,389	\$3,384	\$3,350	\$2,195
Professional Fees - Legal	\$8,559	\$6,791	\$14,754	\$20,000	\$20,000
Professional Fees - Audit	\$6,411	\$5,007	\$6,411	\$6,000	\$6,000
Professional Fees - Engineering	\$117,581	\$244,425	\$218,208	\$244,920	\$244,920
Mileage	\$440	\$514	\$189	\$1,000	\$1,000
Professional Development	\$5,496	\$8,138	\$3,200	\$13,350	\$13,350
Membership and Subscription Fees	\$1,540	\$1,904	\$2,265	\$3,089	\$3,089
Employee Travel - Meals	\$506	\$125	\$0	\$500	\$500
Employee Travel - Accomodations	\$1,678	\$0	\$277	\$1,500	\$1,500
Insurance	\$17,009	\$18,720	\$18,066	\$19,784	\$22,794
Advertising	\$1,613	\$3,212	\$1,168	\$1,560	\$1,560
Vehicle Plates	\$120	\$120	\$120	\$120	\$120
Contract Services	\$20,083	\$17,757	\$32,131	\$19,175	\$22,118
Clothing, Safety Allowance	\$158	\$373	\$195	\$720	\$720
Emergency Management	\$1,121	\$1,157	\$1,095	\$1,269	\$550
Bank Service Charges	\$639	\$2,058	\$3,059	\$5,216	\$3,500

	2017 Actuals	2018 Actuals	2019 YTD	2019 Budget	2020 Budget
Municipal Office Costs Recovered from Building Department	\$0	\$20,038	\$18,153	\$20,697	\$20,811
Expenditures Total	\$369,788	\$530,858	\$560,944	\$678,566	\$693,691
ReserveTransfers					
Contribution to Building Surplus RF	\$220,113	\$0	\$0	\$0	\$0
Transfer from Building Surplus RF	\$0	-\$48,583	-\$45,988	-\$239,697	-\$252,713
ReserveTransfers Total	\$220,113	-\$48,583	-\$45,988	-\$239,697	-\$252,713
Revenues					
Reproduction of Drawings Fees	-\$200	-\$200	-\$100	-\$150	-\$153
Other recoveries	\$0	\$0	\$0	-\$500	-\$500
Designated Structures Permit	-\$2,496	-\$2,912	-\$1,248	-\$2,496	-\$2,496
Tent or Marquee Application Fee	-\$780	-\$1,092	-\$2,600	-\$936	-\$1,065
Transfer of Permit	-\$156	-\$156	\$0	-\$156	-\$159
Revision to Approved Plans	-\$4,244	-\$6,240	-\$7,910	-\$4,992	-\$5,406
Alternative Solution Application	-\$364	\$0	\$0	-\$500	-\$510
Residential Building Permits	-\$472,996	-\$345,147	-\$375,686	-\$330,000	-\$336,600
Institutional, Commercial & Industrial Building Permits	-\$52,532	-\$35,626	-\$38,469	-\$38,000	-\$40,000
Farm Building Permits	-\$5,707	-\$46,039	-\$18,141	-\$7,000	-\$10,000
Demolition Permits	-\$936	-\$2,496	-\$2,652	-\$1,716	-\$1,749
Occupancy Permits	-\$8,736	-\$6,965	-\$6,708	-\$7,800	-\$7,155
Sign Permits	-\$1,300	-\$1,040	\$0	-\$780	-\$795
Septic System Permit - New	-\$34,308	-\$33,883	-\$31,200	-\$35,568	-\$31,164
Inspection of works not ready	-\$468	\$0	-\$312	-\$936	-\$318
Septic System Permit - Alter	-\$4,680	-\$468	-\$2,340	-\$2,340	-\$1,908
Online Service Fee	\$0	-\$10	-\$944	-\$5,000	-\$1,000
Revenues Total	-\$589,901	-\$482,275	-\$488,309	-\$438,870	-\$440,978

	2017 Actuals	2018 Actuals	2019 YTD	2019 Budget	2020 Budget
By-law					
Expenditures					
PT Wages	\$10,071	\$5,174	\$7,526	\$12,674	\$21,219
PT Wage Related Expenses	\$601	\$278	\$532	\$2,193	\$1,931
WSIB	\$254	\$125	\$215	\$377	\$616
Office Supplies	\$72	\$0	\$57	\$150	\$150
Signage - 911 Signs	\$1,995	\$794	\$2,157	\$1,300	\$1,400
Professional Fees - Legal	\$43,214	\$64,066	\$24,702	\$20,000	\$20,000
Professional Fees - Engineering	\$6,561	\$3,981	\$8,841	\$17,280	\$17,280
Mileage	\$634	\$359	\$157	\$150	\$150
Professional Development	\$0	\$0	\$0	\$1,200	\$1,200
Employee Travel - Meals	\$0	\$0	\$0	\$50	\$50
Employee Travel - Accomodations	\$0	\$0	\$0	\$250	\$250
Advertising	\$941	\$768	\$515	\$1,500	\$1,500
Contract Services	\$9,361	\$9,494	\$10,988	\$20,360	\$10,800
Livestock Loss	\$3,741	\$1,766	\$846	\$1,500	\$1,500
Clothing, Safety Allowance	\$0	\$0	\$0	\$0	\$85
Expenditures Total	\$77,668	\$87,021	\$56,767	\$79,234	\$78,381
Revenues					
Lottery Licences	-\$430	-\$523	-\$277	-\$500	-\$500
Sign Permits	\$0	-\$100	\$0	-\$100	-\$102
Fence Viewer's Application	\$0	\$0	\$0	\$0	\$0
Engineering, Environmental and Legal Fees Recovered	-\$13,636	-\$9,829	-\$33,207	-\$5,000	-\$5,000
Site Alteration Agreement	\$0	-\$1,905	\$0	-\$500	-\$500
Other recoveries	-\$571	\$0	\$0	-\$500	-\$500
Ontario Wildlife Damage Compensation	-\$3,861	-\$1,856	-\$906	-\$1,500	-\$1,500
Dog Tags and Kennel Licences	-\$10,200	-\$9,950	-\$10,757	-\$11,000	-\$11,000
Municipal addressing signs and posts	-\$1,900	-\$1,780	-\$2,080	-\$1,800	-\$1,775
Septic Compliance Letter	-\$675	-\$900	-\$1,125	-\$750	-\$689
Special Occasion Permit Letters	\$0	\$0	\$0	-\$150	-\$77
Swimming Pool Enclosure Permit	-\$2,520	-\$4,410	-\$4,085	-\$3,655	-\$3,285
Liquor License Letter	\$0	\$0	\$0	-\$156	-\$159
Guelph Humane Society Fees	-\$1,256	-\$1,093	-\$455	-\$1,000	\$0
Filming Permit Fee	\$0	\$0	-\$500	-\$500	-\$510
Property Standards Appeal Fee	\$0	\$0	\$0	\$0	-\$260
Revenues Total	-\$35,049	-\$32,346	-\$53,392	-\$27,111	-\$25,856

	2017 Actuals	2018 Actuals	2019 YTD	2019 Budget	2020 Budget
Corporate					
Expenditures					
Taxes written off (Twp share only)	\$21,671	\$24,852	\$12,969	\$25,000	\$25,000
Conservation Authorities Levy Payment	\$163,966	\$161,939	\$167,217	\$167,217	\$169,442
Expenditures Total	\$185,637	\$186,791	\$180,186	\$192,217	\$194,442
Revenues					
Supplemental Billings	-\$101,334	-\$56,668	-\$84,554	-\$60,000	-\$65,000
Mun Tax Assistance	-\$17,531	-\$19,636	-\$23,732	-\$23,654	-\$25,819
Host Kilmer (Service Ontario)	-\$26,205	-\$27,345	-\$28,891	-\$28,388	-\$29,951
Ontario Hydro	-\$12,147	-\$12,147	-\$12,147	-\$12,147	-\$12,147
Metrolinx	-\$15,337	-\$10,422	-\$10,740	-\$10,705	-\$11,025
Hydro One	-\$8,100	-\$8,409	-\$8,672	-\$8,409	-\$8,672
Grant Guelph Junction Railway	-\$5,330	-\$5,330	-\$5,330	-\$5,330	-\$5,330
Puslinch Landfill/Wellington County	-\$4,508	-\$5,575	-\$7,353	-\$7,581	-\$8,746
City of Guelph	-\$29,691	-\$32,396	-\$34,582	-\$35,656	-\$37,744
University of Guelph	-\$289	-\$428	-\$569	-\$567	-\$707
CN Railway	-\$1,219	-\$1,316	-\$1,316	-\$1,316	-\$1,316
CP Railway	-\$7,854	-\$7,854	-\$7,854	-\$7,854	-\$7,854
OMPF	-\$370,200	-\$413,600	-\$415,700	-\$380,200	-\$417,400
Penalties - Property Taxes	-\$91,994	-\$94,531	-\$108,658	-\$87,475	-\$88,098
Interest - Tax Arrears	-\$83,278	-\$92,329	-\$101,318	-\$87,099	-\$88,953
Interest on General	-\$67,707	-\$131,548	-\$100,021	-\$70,000	-\$90,092
Sale of Flags	-\$25	-\$88	-\$172	-\$22	\$0
Other Revenues	-\$322	-\$437	-\$488	-\$500	-\$500
Revenues Total	-\$843,071	-\$920,060	-\$952,098	-\$826,903	-\$899,354

	2017 Actuals	2018 Actuals	2019 YTD	2019 Budget	2020 Budget
Council					
Expenditures					
PT Wages	\$84,085	\$85,313	\$86,349	\$99,297	\$101,183
PT Wage Related Expenses	\$2,055	\$2,320	\$4,767	\$7,000	\$7,285
Manulife Benefits	\$22,294	\$21,955	\$21,573	\$23,294	\$23,634
Office Supplies & Equipment	\$131	\$164	\$0	\$250	\$250
Mileage	\$773	\$798	\$422	\$1,000	\$1,000
Professional Development	\$1,939	\$3,495	\$0	\$3,200	\$3,200
Membership and Subscription Fees	\$0	\$0	\$157	\$150	\$150
Employee Travel - Meals	\$94	\$162	\$95	\$300	\$300
Employee Travel - Accom/Parking	\$2,166	\$2,188	\$2,322	\$4,000	\$4,000
Employee Travel - Air Fare	\$408	\$0	\$0	\$500	\$500
Expenditures Total	\$113,945	\$116,397	\$115,685	\$138,992	\$141,503

	2017 Actuals	2018 Actuals	2019 YTD	2019 Budget	2020 Budget
Elections					
Expenditures					
Per Diems	\$0	\$4,955	\$94	\$0	\$0
Office Supplies & Equipment	\$0	\$1,549	\$0	\$0	\$0
Postage	\$0	\$2,318	\$0	\$0	\$0
Professional Fees - Audit	\$0	\$0	\$0	\$1,550	\$0
Professional Development	\$0	\$260	\$0	\$0	\$0
Advertising	\$80	\$7,929	\$0	\$0	\$0
Contract Services	\$1,208	\$37,314	\$1,476	\$0	\$1,476
Expenditures Total	\$1,289	\$54,325	\$1,569	\$1,550	\$1,476
ReserveTransfers					
Contribution to Elections	\$12,787	\$12,787	\$13,750	\$13,750	\$13,750
Transfer From Elections	\$0	-\$48,574	\$0	\$0	\$0
ReserveTransfers Total	\$12,787	-\$35,787	\$13,750	\$13,750	\$13,750
Revenues					
Election - Other Recoveries	\$0	\$0	\$0	\$0	\$0
Nomination Fees	\$0	\$0	\$0	\$0	\$0
Revenues Total	\$0	\$0	\$0	\$0	\$0

	2017 Actuals	2018 Actuals	2019 YTD	2019 Budget	2020 Budget
Finance					
Expenditures					
Principal Repayment	\$116,000	\$119,000	\$0	\$0	\$0
FT Wages	\$281,721	\$293,721	\$247,731	\$287,897	\$301,914
PT Wages	\$0	\$0	\$0	\$0	\$0
OT Wages	\$1,551	\$428	\$0	\$500	\$500
FT Wage Related Expenses	\$48,908	\$51,077	\$43,361	\$50,676	\$53,186
PT Wage Related Expenses	\$0	\$0	\$0	\$0	\$0
Manulife Benefits	\$33,506	\$33,236	\$33,600	\$33,708	\$34,638
WSIB	\$7,990	\$8,878	\$7,887	\$8,533	\$8,478
Computer Software & Hardware	\$1,244	\$888	\$4,145	\$500	\$500
Office Supplies	\$6,470	\$5,956	\$5,693	\$6,000	\$6,000
Hydro	\$5,629	\$0	\$0	\$0	\$0
Heat	\$1,824	\$0	\$0	\$0	\$0
Cleaning, Maintenance, Building Supplies	\$16,286	\$0	\$0	\$0	\$0
Kitchen Supplies and Equipment	\$1,392	\$0	\$0	\$0	\$0
Outdoor Maintenance of Building	\$528	\$0	\$700	\$0	\$0
Postage	\$8,990	\$9,643	\$9,971	\$8,200	\$10,000
Communication (phone, fax, internet)	\$6,479	\$5,901	\$6,294	\$5,360	\$3,491
Professional Fees - Audit	\$14,959	\$12,242	\$14,959	\$14,000	\$14,000
Mileage	\$580	\$1,611	\$762	\$1,000	\$1,000
Professional Development	\$3,341	\$7,791	\$3,707	\$6,754	\$6,754
Membership and Subscription Fees	\$2,047	\$1,979	\$986	\$2,425	\$2,425
Employee Travel - Meals	\$20	\$25	\$25	\$150	\$150
Employee Travel - Accomodations	\$25	\$207	\$180	\$400	\$400
Advertising	\$2,360	\$10,189	\$4,973	\$7,670	\$7,670
Contract Services	\$43,591	\$35,093	\$47,837	\$35,641	\$41,532
Emergency Management	\$2,617	\$2,700	\$2,556	\$2,650	\$1,282
Environmental Service - Garbage Bags	\$15,130	\$16,230	\$19,677	\$17,500	\$17,500
Bank Service Charges	\$2,684	\$5,093	\$7,151	\$5,504	\$8,000
Other written off (non collectible inv's)	\$5,669	\$584	\$75	\$0	\$0
Debt Interest Repayment	\$8,792	\$2,975	\$0	\$0	\$0
Community Grants	\$32,475	\$31,750	\$37,553	\$37,553	\$37,540
Expenditures Total	\$672,807	\$657,198	\$499,824	\$532,621	\$556,960
Revenues					
Advertising, Legal, and Realtax Fees Recovered	\$0	-\$7,153	-\$4,019	-\$7,000	-\$5,000

Schedule B

	2017 Actuals	2018 Actuals	2019 YTD	2019 Budget	2020 Budget
NSF Fees	-\$880	-\$720	-\$480	-\$640	-\$640
Online Service Fee	\$0	-\$168	-\$495	-\$5,000	-\$1,000
Tax Certificates	-\$9,540	-\$8,040	-\$9,180	-\$8,520	-\$8,220
Other Recoveries	-\$5,257	-\$7,859	-\$8,781	-\$2,500	-\$6,500
Garbage bags	-\$17,930	-\$22,020	-\$19,515	-\$17,500	-\$17,500
Revenues Total	-\$33,607	-\$45,960	-\$42,469	-\$41,160	-\$38,860

	2017 Actuals	2018 Actuals	2019 YTD	2019 Budget	2020 Budget
Fire and Rescue					
Expenditures					
PT Wages	\$418,073	\$407,876	\$379,327	\$402,559	\$415,009
PT Wage Related Expenses	\$30,573	\$55,406	\$87,503	\$31,970	\$44,257
Group Benefits	\$18,429	\$17,796	\$18,918	\$17,231	\$17,231
WSIB	\$11,607	\$12,425	\$11,230	\$12,681	\$12,450
Office Supplies	\$2,880	\$2,903	\$2,106	\$3,000	\$3,000
Hydro	\$6,243	\$0	\$0	\$0	\$0
Heat	\$1,397	\$0	\$0	\$0	\$0
Fuel	\$14,992	\$13,960	\$0	\$14,400	\$14,400
Water Protection	\$175	\$0	\$0	\$0	\$0
Equipment Maintenance & Supplies	\$24,525	\$26,814	\$24,741	\$25,000	\$25,000
Oxygen & Medical Supplies	\$3,026	\$1,307	\$3,755	\$3,100	\$3,100
Public Education	\$3,465	\$2,580	\$3,885	\$3,800	\$3,800
Cleaning, Maint & supplies for Bldg	\$8,498	\$0	\$0	\$0	\$0
Kitchen Supplies and Equipment	\$555	\$0	\$0	\$0	\$0
Waste Removal	\$675	\$0	\$0	\$0	\$0
Vehicle Maintenance	\$33,577	\$57,416	\$19,740	\$26,000	\$26,000
Communication (phone, fax, internet)	\$11,825	\$8,863	\$6,016	\$8,300	\$6,304
Mileage	\$3,559	\$3,471	\$3,982	\$4,000	\$4,000
Professional Development	\$20,304	\$20,174	\$19,600	\$24,105	\$24,105
Membership and Subscription Fees	\$3,319	\$4,162	\$4,607	\$4,712	\$4,892
Employee Travel - Meals	\$1,135	\$4,922	\$681	\$1,000	\$1,000
Employee Travel - Accomodations	\$1,718	\$959	\$2,251	\$2,600	\$2,600
Insurance	\$23,443	\$21,386	\$23,097	\$22,722	\$23,858
Advertising	\$2,021	\$166	\$0	\$1,000	\$1,000
Permits	\$471	\$471	\$471	\$485	\$485
Contract Services	\$30,713	\$37,857	\$71,709	\$75,495	\$93,801
Clothing, Safety Allowance	\$25,821	\$18,032	\$18,179	\$16,550	\$16,550
Vehicle Plates	\$189	\$265	\$265	\$265	\$265
Expenditures Total	\$703,208	\$719,210	\$702,063	\$700,974	\$743,107
Revenues					
Tent or Marquee Application Fee	-\$520	-\$728	\$0	-\$624	\$0
Open Burning Permit and Inspection	-\$15,150	-\$15,260	-\$15,380	-\$15,000	-\$15,300
Burning Permit Violations	-\$1,350	-\$1,350	-\$931	-\$1,396	-\$1,431
Fire Extinguisher Training	-\$225	-\$720	-\$150	-\$500	-\$505

	2017 Actuals	2018 Actuals	2019 YTD	2019 Budget	2020 Budget
Water Tank Locks	-\$53	-\$18	\$0	-\$53	-\$54
Fireworks Permits	-\$300	-\$200	-\$200	-\$200	-\$204
Information/Fire Reports	-\$750	-\$375	-\$300	-\$450	-\$459
Other recoveries	-\$4,452	-\$851	-\$333	-\$3,000	-\$9,437
Occupancy Load	\$0	\$0	\$0	\$0	\$0
Fire Safety Plan Review	\$0	\$0	\$0	-\$240	-\$244
Post Fire Watch	\$0	\$0	\$0	\$0	\$0
Boarding up or Barricading	\$0	\$0	\$0	\$0	\$0
Key Boxes	\$0	-\$100	-\$100	-\$100	-\$102
Inspections	\$0	\$0	\$0	\$0	\$0
Motor Vehicle Emergency Responses	-\$114,465	-\$112,424	-\$74,889	-\$90,000	-\$91,800
Fire Alarm False Alarm Calls	\$0	\$0	\$0	\$0	\$0
Carbon Monoxide Alarms and Smoke Alarms	\$0	\$0	\$0	\$0	-\$245
Revenues Total	-\$137,266	-\$132,027	-\$92,283	-\$111,564	-\$119,781

	2017 Actuals	2018 Actuals	2019 YTD	2019 Budget	2020 Budget
Heritage Committee					
Expenditures					
Per Diems	\$1,750	\$1,416	\$1,940	\$1,865	\$1,914
Heritage Plaques	\$0	\$0	\$46	\$100	\$100
Mileage	\$668	\$0	\$201	\$600	\$600
Training	\$824	\$0	\$305	\$1,250	\$1,000
Employee Travel - Meals	\$58	\$0	\$0	\$100	\$100
Employee Travel - Accomodations	\$1,705	\$0	\$390	\$1,000	\$1,000
Expenditures Total	\$5,006	\$1,416	\$2,882	\$4,915	\$4,714

	2017 Actuals	2018 Actuals	2019 YTD	2019 Budget	2020 Budget
Library					
Expenditures					
Library Rent for Historical society	\$4,902	\$4,828	\$4,715	\$4,850	\$4,850
Library Water Monitoring	\$1,764	\$1,857	\$1,690	\$1,750	\$1,750
Expenditures Total	\$6,666	\$6,685	\$6,405	\$6,600	\$6,600
Revenues					
Library Costs Recovered from County	-\$3,060	-\$2,920	-\$3,002	-\$3,000	-\$3,000
Revenues Total	-\$3,060	-\$2,920	-\$3,002	-\$3,000	-\$3,000

	2017 Actuals	2018 Actuals	2019 YTD	2019 Budget	2020 Budget
Municipal Office					
Expenditures					
Hydro	\$0	\$17,799	\$15,931	\$20,000	\$20,000
Heat	\$0	\$11,756	\$11,096	\$12,000	\$12,000
Water Protection	\$0	\$525	\$945	\$420	\$420
Cleaning, Maint & supplies for Bldg	\$0	\$29,413	\$26,909	\$26,451	\$26,451
Kitchen Supplies and Equipment	\$0	\$3,878	\$4,064	\$3,400	\$3,400
Waste Removal	\$0	\$1,767	\$1,935	\$1,600	\$1,980
Outdoor Maintenance of Building	\$0	\$1,655	\$440	\$1,300	\$1,300
Contract Services	\$0	\$0	\$4,233	\$3,820	\$3,820
Expenditures Total	\$0	\$66,793	\$65,553	\$68,991	\$69,371
Revenues					
Municipal Office Costs Recovered from Building Department	\$0	-\$20,038	\$18,153	-\$20,697	-\$20,811
Revenues Total	\$0	-\$20,038	\$18,153	-\$20,697	-\$20,811

	2017 Actuals	2018 Actuals	2019 YTD	2019 Budget	2020 Budget
ORC					
Expenditures					
FT Wages	\$57,980	\$58,739	\$53,176	\$60,108	\$61,256
PT Wages	\$21,318	\$24,419	\$23,206	\$29,560	\$30,613
OT Wages	\$1,464	\$1,518	\$954	\$2,000	\$2,000
FT Wage Related Expenses	\$10,196	\$12,582	\$10,973	\$10,873	\$11,136
PT Wage Related Expenses	\$1,158	\$1,180	\$1,177	\$2,754	\$2,881
Manulife Benefits	\$7,779	\$8,751	\$7,352	\$8,280	\$7,045
WSIB	\$2,466	\$2,716	\$2,577	\$2,888	\$2,816
Office Supplies	\$390	\$184	\$601	\$300	\$300
Hydro	\$25,728	\$26,874	\$25,794	\$30,000	\$30,000
Heat	\$5,570	\$5,941	\$4,921	\$5,500	\$5,500
Fuel	\$446	\$0	\$0	\$0	\$0
Water Protection	\$829	\$753	\$572	\$700	\$700
Equipment Maintenance & Supplies	\$7,985	\$8,261	\$2,864	\$6,870	\$6,870
Signage	\$28	\$0	\$0	\$100	\$100
Bldg-Cleaning, Maint,Supplies Interior	\$2,846	\$5,216	\$3,377	\$6,000	\$6,000
Waste Removal	\$716	\$943	\$1,136	\$800	\$1,560
Bldg-Cleaning, Maint,Supplies Exterior	\$5,069	\$6,415	\$6,944	\$8,000	\$8,000
Communication (phone, fax, internet)	\$2,368	\$2,523	\$2,967	\$2,860	\$3,120
Mileage	\$0	\$0	\$0	\$100	\$100
Professional Development	\$555	\$0	\$0	\$1,000	\$1,000
Membership and Subscription Fees	\$218	\$153	\$158	\$220	\$220
Employee Travel - Meals	\$0	\$0	\$0	\$100	\$100
Insurance	\$8,733	\$8,134	\$8,611	\$8,642	\$9,074
Advertising	\$371	\$525	\$0	\$500	\$500
Contract Services	\$66	\$66	\$630	\$1,480	\$1,480
Clothing, Safety Allowance	\$0	\$107	\$0	\$515	\$515
Expenditures Total	\$164,278	\$176,000	\$157,989	\$190,150	\$192,887
Revenues					
Ice Rental - Prime	-\$13,200	-\$18,012	-\$20,772	-\$18,000	-\$18,360
Ice Rental - Non-Prime	-\$385	\$0	\$0	\$0	\$0
Arena Summer Rentals	-\$14,841	-\$13,423	-\$13,440	-\$15,000	-\$13,750
Gymnasium Rental	-\$20,206	-\$20,418	-\$26,469	-\$17,000	-\$20,000
Rink Board and Ball Diamond Advertising	\$0	\$0	\$0	-\$350	-\$357
Other Recoveries	\$0	-\$421	-\$386	-\$500	-\$500

	2017 Actuals	2018 Actuals	2019 YTD	2019 Budget	2020 Budget
Revenues Total	-\$48,633	-\$52,274	-\$61,066	-\$50,850	-\$52,967
Parks					
Expenditures					
FT Wages	\$0	\$43,849	\$40,425	\$43,804	\$0
PT Wages	\$13,228	\$9,828	\$10,134	\$9,536	\$9,719
OT Wages	\$0	\$3,265	\$6,104	\$2,000	\$0
FT Wage Related Expenses	\$0	\$7,916	\$7,948	\$8,210	\$0
PT Wage Related Expenses	\$1,138	\$840	\$882	\$889	\$915
WSIB	\$419	\$1,762	\$1,872	\$1,743	\$292
Hydro	\$2,552	\$2,558	\$2,652	\$3,400	\$3,400
Fuel	\$1,910	\$2,663	\$0	\$2,200	\$2,200
Water Protection	\$657	\$646	\$35	\$1,000	\$1,000
Equipment Maintenance and Supplies	\$1,118	\$644	\$1,231	\$1,480	\$1,480
Vehicle Maintenance	\$542	\$244	\$197	\$500	\$500
Maintenance Grounds	\$10,393	\$7,963	\$4,132	\$10,000	\$10,000
Insurance	\$6,346	\$6,575	\$7,190	\$6,986	\$7,335
Advertising	\$623	\$0	\$1,134	\$500	\$500
Contract Services	\$28,474	\$18,551	\$7,272	\$15,660	\$5,160
Manulife Benefits	\$0	\$7,163	\$6,961	\$7,614	\$0
Expenditures Total	\$67,402	\$114,468	\$98,170	\$115,522	\$42,501
Revenues					
Horse Paddock Rental	-\$200	-\$200	-\$250	-\$200	-\$204
Picnic Shelter	-\$220	-\$220	-\$400	-\$300	-\$306
Ball Diamond Rentals	-\$2,606	-\$3,023	-\$5,627	-\$4,000	-\$5,500
Sports Facility User Fees	-\$15,313	-\$920	-\$730	-\$800	-\$800
Soccer Field Rentals	\$0	-\$2,321	-\$2,331	-\$3,000	-\$3,000
Revenues Total	-\$18,339	-\$6,684	-\$9,338	-\$8,300	-\$9,810

	2017 Actuals	2018 Actuals	2019 YTD	2019 Budget	2020 Budget
PCC					
Expenditures					
FT Wages	\$6,946	\$0	\$0	\$0	\$56,638
PT Wages	\$47,348	\$40,085	\$37,914	\$41,198	\$41,266
OT Wages	\$853	\$398	\$401	\$500	\$2,000
FT Wage Related Expenses	\$12	\$3	\$7	\$0	\$10,299
PT Wage Related Expenses	\$2,163	\$1,821	\$1,769	\$6,960	\$4,072
Manulife Benefits	\$0	\$0	\$0	\$0	\$7,791
WSIB	\$1,520	\$1,262	\$1,231	\$1,313	\$2,997
Office Supplies	\$265	\$132	\$82	\$150	\$150
Hydro	\$16,043	\$12,632	\$10,361	\$16,500	\$16,500
Heat	\$4,300	\$4,482	\$4,040	\$4,300	\$4,300
Fuel	\$0	\$0	\$0	\$500	\$500
Water Protection	\$4,875	\$4,386	\$4,394	\$5,100	\$5,100
Bldg-Cleaning, Maint,Supplies Interior	\$8,385	\$13,503	\$8,666	\$13,870	\$13,870
Kitchen Supplies and Equipment	\$5,944	\$2,102	\$557	\$1,500	\$1,500
Waste Removal	\$2,864	\$2,881	\$4,544	\$2,500	\$6,240
Outdoor Maintenance of Building	\$2,618	\$1,546	\$2,335	\$1,200	\$1,200
Communication (phone, fax, internet)	\$2,278	\$2,251	\$3,147	\$2,800	\$3,000
Mileage	\$0	\$0	\$0	\$100	\$100
Professional Development	\$36	\$0	\$0	\$0	\$0
Membership and Subscription Fees	\$0	\$500	\$500	\$500	\$500
Employee Travel - Meals	\$0	\$0	\$0	\$150	\$150
Employee Travel - Accomodations	\$0	\$0	\$0	\$450	\$450
Insurance	\$7,110	\$7,537	\$7,996	\$8,008	\$8,408
Advertising	\$0	\$0	\$914	\$2,000	\$2,000
Contract Services	\$1,611	\$1,903	\$2,937	\$3,660	\$3,660
Clothing, Safety Allowance	\$0	\$0	\$0	\$0	\$260
Expenditures Total	\$115,171	\$97,425	\$91,792	\$113,260	\$192,951
Revenues					
Hall - Prime	-\$25,713	-\$22,692	-\$29,365	-\$22,800	-\$27,246
Hall - Non-Prime	-\$16,971	-\$21,209	-\$19,969	-\$16,000	-\$19,120
Meeting Room	-\$9,324	-\$9,937	-\$13,427	-\$8,000	-\$11,950
Licensed Events Using Patio	-\$334	-\$336	-\$285	-\$229	-\$234
Hall - Commercial Rentals	-\$765	-\$3,060	-\$1,547	-\$782	-\$636
Bartenders	-\$10,434	-\$8,720	-\$7,227	-\$8,500	-\$8,354

	2017 Actuals	2018 Actuals	2019 YTD	2019 Budget	2020 Budget
Kitchen Facilities - Non-Prime	-\$3,251	-\$2,969	-\$3,143	-\$3,180	-\$3,800
Advertising Sign	-\$225	-\$33	-\$33	-\$324	-\$102
Other Recoveries	-\$360	-\$1,851	-\$1,321	-\$400	-\$1,000
Recreation Conditional Grants	-\$6,253	-\$5,325	\$0	-\$5,167	-\$5,167
Donations	-\$400	-\$7,031	-\$19,435	\$0	\$0
Projector and Microphone Rental Fee	-\$25	-\$128	-\$75	-\$100	-\$102
Revenues Total	-\$74,055	-\$83,292	-\$95,827	-\$65,481	-\$77,710

	2017 Actuals	2018 Actuals	2019 YTD	2019 Budget	2020 Budget
PDAC					
Expenditures					
Per Diems	\$3,934	\$3,910	\$4,280	\$4,360	\$4,466
Office Supplies & Equipment	\$42	\$0	\$62	\$50	\$50
Mileage	\$0	\$0	\$0	\$150	\$150
Training	\$0	\$0	\$0	\$1,500	\$1,500
Expenditures Total	\$3,977	\$3,910	\$4,342	\$6,060	\$6,166

	2017 Actuals	2018 Actuals	2019 YTD	2019 Budget	2020 Budget
Planning					
Expenditures					
FT Wages	\$66,557	\$57,905	\$50,404	\$57,040	\$60,803
OT Wages	\$0	\$0	\$0	\$500	\$500
FT Wage Related Expenses	\$11,617	\$10,523	\$9,848	\$10,152	\$10,839
Manulife Benefits	\$8,117	\$5,887	\$4,061	\$4,393	\$4,545
WSIB	\$2,004	\$1,876	\$1,679	\$1,813	\$1,839
Office Supplies	\$18	\$656	\$752	\$100	\$400
Communication (phone, fax, internet)	\$136	\$0	\$0	\$200	\$200
Professional Fees - Legal	\$5,699	\$32,733	\$32,084	\$27,000	\$17,000
Professional Fees - Engineering	\$61,512	\$67,792	\$51,711	\$57,849	\$57,849
Mileage	\$0	\$0	\$99	\$250	\$250
Professional Development	\$356	\$0	\$712	\$1,401	\$1,401
Membership and Subscription Fees	\$120	\$280	\$300	\$150	\$150
Employee Travel - Meals	\$0	\$0	\$0	\$100	\$100
Employee Travel - Accomodations	\$0	\$0	\$0	\$350	\$350
Advertising	\$8,158	\$5,840	\$2,735	\$4,000	\$3,500
Professional Fees - Water Monitoring	\$2,150	\$529	\$3,818	\$2,000	\$2,000
Contract Services	\$4,868	\$9,719	\$7,830	\$13,000	\$23,440
CIP Grants	\$1,487	\$427	\$0	\$7,500	\$7,500
Expenditures Total	\$172,798	\$194,167	\$166,033	\$187,797	\$192,665
ReserveTransfers					
Transfer from Operating Carryforward	\$0	\$0	\$0	-\$7,500	-\$7,500
Transfer to Operating Carryforward	\$0	\$7,500	\$0	\$0	\$0
ReserveTransfers Total	\$0	\$7,500	\$0	-\$7,500	-\$7,500
Revenues					
Engineering, Environmental, Legal, and Advertising Fees Recovered	-\$58,257	-\$47,321	-\$27,977	-\$20,000	-\$20,000
Minor Variance	-\$11,492	-\$13,110	-\$18,154	-\$9,884	-\$18,199
Agreements	-\$510	-\$765	-\$1,015	-\$765	-\$780
Part Lot Control Exemption By-law	\$0	\$0	-\$585	\$0	\$0
Site Plan Control	-\$8,081	-\$42,300	-\$31,450	-\$21,700	-\$23,292
Consent Review and Clearance	-\$3,840	-\$5,633	-\$3,750	-\$2,010	-\$4,110
Zoning By-law Amendment	-\$7,200	-\$16,500	-\$43,600	-\$16,200	-\$29,684
Telecommunication Tower Proposals	-\$1,520	-\$521	-\$532	-\$532	-\$2,293
Zoning By-law Amendment - Aggregate	\$0	\$0	\$0	\$0	\$0

	2017 Actuals	2018 Actuals	2019 YTD	2019 Budget	2020 Budget
Zoning Compliance Letter	-\$2,700	-\$2,325	-\$2,850	-\$2,250	-\$2,295
Zoning By-law #19/85	\$0	\$0	\$0	\$0	\$0
Business Retention and Expansion Municipal Implementation Fund	\$0	-\$25,000	\$0	\$0	\$0
Lifting of Holding Designation Fee (Zoning)	\$0	-\$1,146	\$0	-\$586	-\$598
Ownership List Confirmation	\$0	\$0	\$0	\$0	-\$2,100
Pre-Consultation	\$0	\$0	\$0	\$0	-\$615
Garden Suites and Renewals (Zoning)	\$0	\$0	\$0	\$0	-\$1,200
Revenues Total	-\$93,600	-\$154,621	-\$129,913	-\$73,927	-\$105,166

	2017 Actuals	2018 Actuals	2019 YTD	2019 Budget	2020 Budget
Public Works					
Expenditures					
FT Wages	\$337,479	\$372,764	\$291,715	\$379,496	\$381,001
PT Wages	\$45,548	\$35,837	\$16,068	\$19,293	\$40,056
OT Wages	\$34,427	\$38,290	\$46,644	\$30,700	\$32,700
FT Wage Related Expenses	\$60,342	\$65,136	\$59,913	\$69,423	\$70,182
PT Wage Related Expenses	\$4,556	\$41,630	\$3,193	\$3,534	\$7,375
Manulife Benefits	\$39,336	\$40,262	\$36,482	\$44,381	\$44,432
WSIB	\$12,089	\$13,835	\$11,912	\$12,948	\$13,374
Office Supplies	\$1,068	\$167	\$20	\$500	\$500
Hydro	\$9,143	\$667	\$678	\$1,000	\$1,000
Heat	\$5,117	\$0	\$0	\$0	\$0
Fuel	\$67,350	\$68,538	\$90,279	\$70,000	\$70,000
Equipment Maintenance & Supplies	\$1,955	\$2,423	\$2,166	\$2,050	\$2,050
Signage	\$9,559	\$9,402	\$9,403	\$10,000	\$10,000
Pavement Markings	\$30,940	\$35,986	\$14,485	\$35,500	\$35,500
Railway Maintenance	\$0	\$5,993	\$488	\$5,000	\$5,000
Maintenance Gravel	\$67,621	\$48,384	\$73,349	\$80,000	\$80,000
Calcium	\$49,044	\$55,840	\$61,026	\$58,800	\$60,564
Winter Maintenance	\$191,710	\$200,567	\$194,595	\$203,000	\$229,250
Waste Removal	\$1,460	\$0	\$0	\$1,500	\$1,500
Shop Overhead	\$8,346	\$8,349	\$7,110	\$7,400	\$7,400
Road Maintenance supplies	\$35,796	\$34,631	\$29,934	\$35,400	\$35,400
Vehicle Maintenance	\$41,184	\$48,504	\$73,691	\$46,000	\$46,000
Speed Monitor	\$0	\$0	\$0	\$500	\$500
Sidewalk Repairs	\$0	\$0	\$890	\$5,000	\$5,000
Communication (phone, fax, internet)	\$2,925	\$3,051	\$2,903	\$4,182	\$3,144
Professional Fees - Engineering	\$0	\$0	\$466	\$2,000	\$2,000
Mileage	\$0	\$36	\$0	\$100	\$100
Professional Development	\$415	\$1,232	\$1,211	\$1,420	\$1,420
Membership and Subscription Fees	\$787	\$598	\$698	\$900	\$900
Employee Travel - Meals	\$0	\$0	\$0	\$100	\$100
Insurance	\$73,154	\$71,607	\$77,372	\$76,082	\$79,886
Advertising	\$1,371	\$342	\$989	\$1,000	\$1,000
Vehicle Plates	\$7,240	\$7,255	\$6,012	\$7,255	\$7,255
Permits	\$505	\$105	\$50	\$100	\$100
Contract Services	\$29,098	\$30,516	\$30,523	\$44,120	\$45,220

	2017 Actuals	2018 Actuals	2019 YTD	2019 Budget	2020 Budget
Clothing, Safety Allowance	\$584	\$847	\$702	\$1,050	\$4,000
Street Lights: Repairs and Hydro Bills	\$53,350	\$44,766	\$21,882	\$14,850	\$14,850
Cleaning, Maint & supplies for Bldg	\$1,091	\$0	\$0	\$0	\$0
Tree Maintenance Program	\$0	\$0	\$19,898	\$20,000	\$20,000
Expenditures Total	\$1,224,591	\$1,287,558	\$1,186,747	\$1,294,585	\$1,358,759
ReserveTransfers					
Contribution to Winter Maintenance	\$0	\$0	\$8,405	\$0	\$0
Contribution from Winter Maintenance	-\$8,710	-\$17,567	\$0	\$0	\$0
Transfer from Asset Management Discretionary Reserve	\$0	-\$5,993	\$0	-\$10,000	-\$10,000
Contribution to Aggregate Levy Discretionary Reserve	\$0	\$0	\$279,089	\$0	\$240,000
ReserveTransfers Total	-\$8,710	-\$23,560	\$287,494	-\$10,000	\$230,000
Revenues					
Provincial Aggregate Levy	-\$275,293	-\$281,367	-\$507,089	-\$228,000	-\$468,000
Oversize-Overweight Load Permits	\$0	-\$300	\$0	\$0	-\$102
Entrance Permit	-\$4,139	-\$6,210	-\$2,580	-\$4,465	-\$3,520
Roads Other Recoveries	-\$560	-\$500	-\$1,150	-\$1,000	-\$1,000
Third Party Cost Recovery	\$0	\$0	\$0	\$0	\$0
Third Party Cost Recovery Administration Fee	\$0	\$0	\$0	\$0	\$0
Revenues Total	-\$279,992	-\$288,377	-\$510,819	-\$233,465	-\$472,622

	2017 Actuals	2018 Actuals	2019 YTD	2019 Budget	2020 Budget
Recreation Committee					
Expenditures					
Per Diems	\$2,605	\$1,532	\$2,565	\$2,546	\$2,605
Expenditures Total	\$2,605	\$1,532	\$2,565	\$2,546	\$2,605

	2017 Actuals	2018 Actuals	2019 YTD	2019 Budget	2020 Budget
Source Water Protection					
Expenditures					
FT Wages/Benefits	\$10,907	\$9,253	\$6,794	\$9,650	\$8,960
Public Education Costs	\$0	\$0	\$0	\$0	\$0
Professional Fees	\$5,474	\$0	\$0	\$0	\$0
Expenditures Total	\$16,380	\$9,253	\$6,794	\$9,650	\$8,960
ReserveTransfers					
Transfer from Operating Carryforward	-\$2,836	\$0	\$0	\$0	\$0
ReserveTransfers Total	-\$2,836	\$0	\$0	\$0	\$0
Revenues					
Source Protection Municipal Implementation Fund	\$0	-\$17,260	\$0	\$0	\$0
Revenues Total	\$0	-\$17,260	\$0	\$0	\$0
Grand Total	\$2,440,489	\$2,740,082	\$2,191,051	\$2,851,360	\$2,866,694

THE CORPORATION OF THE TOWNSHIP OF PUSLINCH

BY-LAW NUMBER 2020 - 010

A By-law Prescribing Standards for the Maintenance and Occupancy of Property

WHEREAS Section 15.1(3) of the *Building Code Act, 1992, S.O. 1992, c. 23*, as amended, authorizes the council of a municipality to pass a by-law prescribing standards for the maintenance and occupancy of property within the municipality and for prohibiting the occupancy or use of such property that does not conform to the standards; and for requiring property that does not conform with the standards to be repaired and maintained to conform with the standards or requiring the property to be cleared of all buildings, structures, debris or refuse and left in a graded and levelled condition;

AND WHEREAS the County of Wellington Official Plan for the Township of Puslinch includes provisions relating to property conditions;

AND WHEREAS Section 15.6(1) of the *Building Code Act, 1992, S.O. 1992, c. 23*, as amended requires that a By-law passed under Section 15.1(3) of the *Building Code Act, 1992, S.O. 1992, c. 23* shall provide for the establishment of a Property Standards Committee;

NOW THEREFORE, the Council of the Corporation of the Township of Puslinch enacts as follows:

1.0 TITLE AND SCOPE

- 1.1 This By-Law may be referred to as "The Property Standards By-Law".
- 1.2 The standards for maintenance and occupancy of **property** set forth in this By-Law are hereby prescribed and adopted as the minimum standards for all **property** within the **Township**.
- 1.3 No **person** shall occupy a **property** if there is a condition which poses or constitutes an **unsafe condition**.

1.4 A **property** within the **Township** that does not conform with the standards contained in this By-law shall be:

- (a) **repaired** and maintained to conform with such standards; or
- (b) cleared of all **buildings, accessory buildings, structures** or **waste** and left in a graded and levelled condition.

1.5 This By-law does not apply so as to prevent a farm, meeting the definition of "agricultural operation" under the *Farming and Food Production Protection Act, 1998*, S.O. 1998, c.1, from carrying out a normal farm practice as provided for and defined under that Act.

2.0 APPLIED MEANING OF WORDS AND TERMS

2.1 Interchangeability: Words used in the present tense include the future, words in the masculine gender include the feminine and neuter; the singular number includes the plural, and the plural includes the singular.

3.0 DEFINITIONS

In this By-law:

"accessory building" means a detached **building** or **structure**, not used for human habitation that is subordinate to the primary use on the same **property**;

"basement" means that portion of a **building** between two floors, which is partly underground of the first floor joists above the average finished grade level adjacent to the exterior walls of the **building** and includes a crawl space and cellar;

"boat" includes any vessel which floats or is designed to float on the surface of the water and is capable of carrying

people or material whether motorized or not and includes but is not limited to pleasure craft, scows, personal water craft, canoes, row boats, pontoon boats and commercial boats, when on the water or on land;

"building" means a building as defined in the **Building Code Act**, or a **structure** used or intended to be used for supporting or sheltering any use or occupancy;

"Building Code Act" means the Building Code Act, 1992, S.O. 1992, c. 23, as amended and any prescribed regulations under the Building Code Act;

"Committee" means the **Township's** Planning and Development Advisory Committee or a Property Standards Committee established under this By-law;

"Compost" means a collection of humus material such as kitchen and table waste, grass clippings, plant trimmings, weeds or other leaves;

"Council" means the Council for the **Township**;

"dwelling" means a **building** or part of a **building**, occupied or capable of being occupied, in whole or in part for the purpose of human habitation;

"dwelling unit" means a room or a suite of rooms operated as a housekeeping unit, used or intended to be used as a domicile by one or more persons and supporting general living conditions including cooking, eating, sleeping and sanitary facilities;

"exterior property areas" means the **property**, exclusive of a **building** and an **accessory building**;

"fence" means a **structure**, wall or barrier, other than a **building**, erected at grade for the purpose of defining boundaries of **property**, separating open space, restricting ingress to or egress from **property**, providing security or

protection to **property** or acting as a visual or acoustic screen;

“firewood” means any lumber, timber, logs, poles, cut up trees or felled trees, any salvaged wood products included but not limited to wood skids, wood boxes, and used wood products that are not required for a **building, accessory building or structure** currently under construction on the **property** or for which there is a current or regular use;

“ground cover” means organic or non-organic material applied to prevent the erosion of the soil, e.g., concrete, flagstone, gravel, asphalt, grass or other forms of landscaping;

“guard” means a protective barrier installed around openings in floor area or on the open sides of a stairway, a landing, a balcony, a mezzanine, a gallery, a raised walkway, or other locations as required to prevent accidental falls from one level to another. Such barriers may or may not have openings through them;

“habitable room” means a room or enclosed floor space used, or capable of being used for living, eating, sleeping or domestic food preparation purposes, but excludes a bathroom, water closet compartment, laundry, pantry, foyer, lobby, hall, passageway, corridor, closet, stairway, storage room, furnace room or other accessory space used for service, maintenance or access within a **building**;

“heritage attribute” means an attribute of a heritage property that contributes to its cultural heritage value or interest that is defined, described or inferred:

- (a) in a By-law designating a heritage property;
- (b) in a By-law designating a heritage conservation district;
- (c) in a Minister’s Order made under the *Ontario Heritage Act*;
- (d) in any documentation considered as part of (a), (b) and (c) above;

and includes any elements, features or components that support or protect the heritage attribute.

“heritage property” means a Property designated under Part IV or Part V or by a Minister’s Order under the *Ontario Heritage Act*.

“Landlord” includes:

- a) The owner of a rental unit or any other person who permits occupancy of a rental unit, other than a tenant who occupies a rental unit in a residential complex and who permits another person to also occupy the unit or any part of the unit; and,
- b) The heirs, assigns, personal representatives and successors in title of a person referred to in clause (a)

“Naturalized Area” means a landscape area that has been deliberately implemented to produce ground cover which consists of one or more species of wildflowers, annuals, perennials, shrubs and grasses or a combination thereof and includes natural areas such as wooded lots, forests and wetlands.

“occupant” means any **person** or **persons** over the age of eighteen years in possession of the **property**;

“openable area” means that part of a window or door which is available for unobstructed ventilation and which opens directly to the outdoors;

“owner” includes,

- (a) the **person** for the time being managing or receiving the rent of the land or premises in connection with which the word is used, whether on the **person’s** own account or as agent or trustee of any other **person**, or who would receive the rent if the land and premises were let; and

- (b) a lessee or **occupant** of the **property** who, under the terms of a lease, is required to **repair** and maintain the **property** in accordance with the standards for the maintenance and occupancy of **property**;

"person" includes a corporation and its heirs, executors, administrators, or other representatives of a person to whom the context can apply according to law;

"property" means a **building** or **accessory building**, or part of a **building** or **accessory building**, and includes the lands and premises appurtenant thereto and all mobile structures, mobile buildings, mobile homes, outbuildings, **fences**, **retaining walls**, and erections thereon, whether heretofore or hereafter erected, and also includes **vacant property**;

"Property Standards Officer" shall mean a Property Standards Officer who has been appointed by by-law to administer and enforce this By-law;

"Rental Unit" means a dwelling unit used, or intended to be used, as a residential rental property;

"Repair" includes the making of additions or alterations or the taking of such action as may be required so that the **property** shall conform to the standards established in this By-law;

"Residential rental property" includes a rental unit and the yards;

"retaining wall" means a **structure** that holds back soil or loose material to prevent it from assuming the natural angle of repose at locations where an abrupt change in ground elevation occurs;

"safe condition" means a condition that does not pose or constitute an undue or unreasonable hazard or risk of life, limb or health of any **person** on or about the **property**, and includes a structurally sound condition;

"sewage" means water-carried waste, together with such ground, surface and storm waters as may be present;

"sewage system" means the **Township's** system of storm sewers, sanitary sewers and combined sewers, or a private sewage disposal system;

"structure" means anything constructed either permanent or temporary, the use of which requires location on or an attachment to something having location on the ground;

"Tenant" means a person who pays rent or is required to pay rent in return for a right to occupy a rental unit;

"Township" means the Corporation of the Township of Puslinch or the land within the geographic limits of the Corporation of the Township of Puslinch as the context requires;

"unsafe condition" means any condition that poses or constitutes an undue or unreasonable hazard or risk to life, limb or health of any **person** on or about the **property**.

"vacant building" means any **building or accessory building** that is or appears to be vacant, partially vacant, or unoccupied, or that, by reason of its unfinished or dilapidated condition, is open to the elements and in a state that there is little to no control over unauthorized entry, but does not include:

- (a) a **dwelling unit** occupied by the **owner** on a seasonal basis but otherwise maintained throughout the year;

- (b) a **building** or **accessory building** on **property** used for farming purposes, except a **dwelling unit**.

"vacant property" means a **property** that does not have a **building** or **accessory building**;

"waste" includes any debris, rubbish, refuse, sewage, effluent, garbage, brush, ashes, litter, wrappings, salvage, vehicle parts, discarded material or things, broken or dismantled things, or materials or things exposed to the elements, deteriorating or decaying on a **property** due to exposure to the weather.

"yard" means the land within the boundary lines of a property not occupied by a principal building, if any, and includes grounds or vacant property.

4.0 EXTERIOR PROPERTY AREAS – GENERAL REQUIREMENTS

4.1 **Exterior Property Areas** shall be kept in a neat and tidy condition, and free from:

- (a) **waste**;
- (b) injurious insects, termites, rodents, vermin and other pests and any condition that may promote an infestation;
- (c) Excessive growth of weeds and grass;
- (d) unsightly and unreasonably overgrown, in relation to their environment, **ground cover**, hedges and bushes;
- (e) dead, decayed, or damaged trees, or other natural growth and the branches and limbs thereof which create an **unsafe condition**;
- (f) wrecked, dismantled, derelict, inoperative, discarded, unused or an unlicensed vehicle or trailer,

except in an establishment licensed or authorized to conduct and operate such a business in accordance with any other by-laws, and then only in an arrangement such as to prevent an **unsafe condition** or an unsightly condition and screened from view from an adjacent **property**;

- (g) wrecked, dismantled, derelict, inoperative, discarded or unused **boat** and any component parts thereof, except in an establishment licensed or authorized to conduct and operate such a business, and then only in an arrangement such as to prevent an **unsafe condition** or an unsightly condition and screened from view from an adjacent **property**;
- (h) machinery or any parts thereof, or other objects or parts thereof, or accumulations of material or conditions that create an **unsafe condition** or an unsightly condition out of character with the surrounding environment;
- (i) dilapidated or collapsed **building** or **accessory building** and any unprotected well or other **unsafe condition** or unsightly condition out of character with the surrounding environment;
- (j) stagnant water;
- (k) animal excrement, except in connection with a lawful agricultural use on a **property**;

4.2 Suitable **ground cover** shall be provided to prevent erosion of the soil.

4.3 Hedges, plantings, trees or other landscaping including lighting, required by the **Township** as a condition of site development or redevelopment, shall be maintained in a living condition or shall be replaced with equivalent

landscaping or lighting, so as to carry out its intended function and maintain an attractive appearance.

4.4 An abandoned or unused well, septic tank or a hole on a **property** shall be filled or safely covered and protected.

4.5 An ice-box, refrigerator, freezer or other container shall not be placed in an **exterior property area** for disposal without first removing all locks and doors or taking some other adequate precautionary measure to prevent a **person** from being trapped in an ice-box, refrigerator, freezer or other container.

5.0 DRAINAGE

5.1 **Exterior property areas** shall be:

- (a) graded and maintained in such a manner as to prevent the excessive or recurrent ponding of storm water thereon; and
- (b) cultivated or protected with a suitable **ground cover** to prevent erosion of the soil.

5.2 All catch basins, swales and ditches shall be maintained so as to not impede the natural flow of water.

5.3 The storm water run-off from all downspouts of impervious surfaces shall be contained within the limits of the **property** from which it originates until absorbed by the soil or drained to a storm sewer, or to a natural or artificially-created swale, ditch or watercourse.

6.0 HEALTH

6.1 All **sewage** shall be discharged into an approved **sewage system**.

7.0 BUFFERING

7.1 **Property** which, because of its use or occupancy, or for other reasons is required to be buffered shall:

- (a) maintain an effective barrier to prevent lighting and vehicle headlights from shining directly into a **dwelling unit**;
- (b) maintain an effective barrier to prevent wind-blown **waste** from encroaching on an adjacent **property**;
- (c) maintain a visual screen, to minimize the visual impact of a nuisance to a **person** who owns or occupies an adjacent **property**.

8.0 RETAINING WALLS

8.1 A **retaining wall** shall be maintained in good **repair** and free from accident hazards.

8.2 Without restricting the generality of section 8.1 the maintenance of a **retaining wall** may include:

- (a) redesigning, **repairing** or replacing all deteriorated, damaged, misaligned or missing portions of the wall, or railings and **guards** appurtenant thereto;
- (b) installing subsoil drains where required to maintain the stability of the **retaining wall**;
- (c) grouting masonry cracks;
- (d) applying a coat of paint or equivalent preservative to all metal or wooden exposed components.

9.0 SUPPLEMENTARY STANDARDS FOR RESIDENTIAL RENTAL PROPERTIES

9.1 GENERAL

- 9.1.1 The following additional standards shall only apply to a residential rental property:
- a) Subject to the tenant's responsibility for ordinary cleanliness of the residential rental property, the landlord shall provide such facilities and take such action to ensure that the residential rental property is:
 - I. Safe
 - II. Clean
 - III. In a state of good repair
 - IV. Fit for habitation; and,
 - V. Free from accumulations of snow and ice
 - b) The landlord shall maintain, in a state of good repair and in a clean, safe condition, any facilities supplied by the landlord and all common areas intended for the use of tenants.
- 9.1.2 All repairs and maintenance of property required by the standards prescribed in this part shall be carried out in a manner accepted as good craftsmanship in the trade concerned and with materials suitable and sufficient for the purpose.
- 9.1.3 Unless otherwise specified, the landlord, and not the tenant, shall be responsible for ensuring that all of the provisions of this part are being complied with.
- 9.2.0 RECREATIONAL FACILITIES, LAUNDRY FACILITIES ROOMS AND AREAS
- 9.2.1 A recreational facility, laundry facility, mail collection area including mailboxes, room or area and the equipment and appliances provided in connection therewith shall be:
- (a) maintained in an operable and usable condition;
 - (b) maintained in a **safe condition**;

- (c) with the exception of an outdoor recreational facility, maintained in a clean condition.

9.3.0 HEATING, HEATING SYSTEMS, CHIMNEYS, VENTS AND FUEL BURNING APPLIANCES

9.3.1 Every **building** containing an occupied **dwelling unit** or **habitable room** shall be provided with suitable heating facilities capable of maintaining an indoor ambient temperature of 21 degrees Celsius between the 15th day of September to the 1st day of June the following year. A heating system shall be maintained in good working condition so as to be capable of safely heating the **dwelling unit** or **habitable room** to the required standard.

9.3.2 No rental **dwelling unit** shall be equipped with portable heating equipment as a primary source of heat.

9.3.3 A fuel burning appliance shall:

- (a) have ample air supply to permit combustion to occur with optimum oxygen available;
- (b) be located in such a manner as to prevent impediment to the free movement of a **person** and the overheating of adjacent materials and equipment;
- (c) have **guards** where necessary to minimize the risk of an accident.

9.3.4 Where a heating system or part thereof requires solid or liquid fuel to operate, a place or receptacle for such fuel shall be provided and maintained in a **safe condition** and location so as to be free from fire or accident hazard.

9.3.5 A fuel burning appliance, equipment and accessories shall be properly vented to the outside air by means of a smoke-pipe, vent pipe, chimney flue or other approved method and as may be required by the **Building Code Act**.

- 9.3.6 Every chimney, smoke-pipe, flue and vent shall be maintained in a good state of **repair** so as to prevent the escape of smoke, fumes or gases from entering a **building**. Maintenance may include the removal of obstructions, sealing open joints, and the **repair** of loose or broken masonry units.
- 9.3.7 Every chimney, smoke-pipe, flue and vent shall be maintained in a good state of **repair** so as to prevent the heating of adjacent combustible material or structural members to unsafe temperatures.
- 9.4.0 AIR CONDITIONING
- 9.4.1 An air conditioner shall be equipped with adequate devices for the prevention of condensation drainage on to entrance areas, sidewalks or pathways and shall be maintained in a safe mechanical and electrical condition.
- 9.4.2 Cooling water from water-cooled equipment shall not be discharged on a driveway, walkway or other areas used for pedestrian or vehicular traffic, or in such a manner that it may cause damage to a wall, foundation or part of a **building** or **accessory building**.
- 9.4.3 The discharge of cooling water from water-cooled equipment shall be made to a proper drainage system and shall be connected in accordance with all applicable government regulations.
- 9.5.0 INTERIOR LIGHTING
- 9.5.1 Interior lighting standards and fixtures shall comply with the requirements of section 10.
- 9.6.0 VENTILATION
- 9.6.1 Sufficient ventilation shall be provided to all areas of a **building** or an **accessory building** so as to prevent

accumulations of heat, dust, vapours, odours, carbon monoxide and other gases likely to create a potential **unsafe condition** or to become a nuisance.

9.6.2 A kitchen, bathroom, shower room and toilet room shall be provided with adequate natural or artificial means of ventilation.

9.6.3 An enclosed area of a **building** or an **accessory building** including a **basement** and an attic shall be adequately ventilated.

9.6.4 A system of mechanical ventilation shall be maintained in good working order.

9.7.0 PLUMBING

9.7.1 A **dwelling unit** shall be provided with an adequate supply of potable running water from a source approved by the Medical Officer of Health and/or the Chief Building Official of the **Township**.

9.7.2 A washbasin, bathtub or shower, and one kitchen sink in a **dwelling unit** shall be equipped with an adequate supply of hot and cold running water. All hot water shall be supplied at a minimum of 43 degrees Celsius and a maximum of 49 degrees Celsius.

9.7.3 A fixture shall be of such materials, construction and design as will ensure that the exposed surface of all parts are hard, smooth, impervious to hot and cold water, readily accessible for cleansing and free from blemishes, cracks, stains or other defects that may harbor germs or impede thorough cleansing.

9.7.4 All plumbing, including drains, water supply pipes, water closets and other plumbing fixtures shall be maintained in good working order free of leaks and defects and all water pipes and appurtenances thereto shall be protected from freezing.

- 9.7.5 All plumbing fixtures in every **building** or **accessory building** shall discharge the water, liquids or sewage into drainage piping, which shall be connected to a **sewage system** approved by the authority having jurisdiction.
- 9.7.6 All toilet facilities, sanitary conveniences and washing facilities shall be maintained:
- (a) in good working order;
 - (b) in a clean and sanitary condition;
 - (c) and supplied with hot and cold running water, with cold water connection only to toilets and urinals;
 - (d) and connected to the drainage system.
- 9.8.0 KITCHEN
- 9.8.1 A **dwelling unit** shall contain a kitchen area equipped with:
- (a) one sink surrounded by a surface that is impervious to grease and water;
 - (b) a suitable storage area;
 - (c) a counter or work area, exclusive of the sink and covered with a material that is impervious to moisture and grease and is easily cleanable;
 - (d) a space provided for cooking and refrigeration appliances including suitable electrical or gas connections;
- 9.8.2 A cooking appliance and a refrigeration appliance shall be maintained in a good state of **repair** and operating condition.
- 9.9.0 BATHROOM

- 9.9.1 A **dwelling unit** shall contain a bathroom consisting of at least one fully operational toilet, washbasin, and a bathtub or suitable shower unit.
- 9.9.2 A bathroom and a toilet shall be located within and accessible from within the **dwelling unit**.
- 9.9.3 Where a toilet or bathroom facility is shared by occupants of a residential accommodation, other than a self-contained **dwelling unit**, an appropriate entrance shall be provided from a common passageway, hallway, corridor or other common space to the room or rooms containing the said facility.
- 9.9.4 Every wall surrounding a shower shall be of impervious material and shall be maintained in a good state of **repair**.
- 9.9.5 A bathroom as required by section 22.1 shall be located in a room used for no other purpose and provided with a door capable of being locked from the inside and opened from the outside in an emergency.
- 9.10.0 FLOORS
- 9.10.1 A floor shall be smooth, level and maintained so as to be free of all loose, warped, protruding, broken or rotted boards that may create an **unsafe condition** or surface. A defective floor shall be **repaired** or replaced.
- 9.10.2 Where a floor covering has become worn or torn so that it retains dirt or may create an **unsafe condition**, the floor covering shall be **repaired** or replaced.
- 9.10.3 A bathroom, kitchen and shower room shall have a floor covering of water-resistant material and be capable of being cleaned.
- 9.11.0 ELECTRICAL SERVICE

- 9.11.1 A **dwelling** and **dwelling unit** shall be wired for electricity and shall be connected to an approved electrical supply system.
- 9.11.2 The capacity of the connection to a **building** or **accessory building** and the system of circuits distributing the electrical supply of the **building** or **accessory building** shall be adequate for the use and intended use.
- 9.11.3 Electrical wiring, cords, circuits, fuses, circuit breakers, electrical equipment and electrical heating systems shall be maintained in good working order, free from fire and accident hazards.
- 9.12.0 DISCONNECTED UTILITIES
- 9.12.1 An **owner** of a residential **building** or any **person** acting on behalf of such **owner** shall not disconnect or cause to be disconnected any service or utility supplying heat, electricity, gas, refrigeration or water to a **dwelling unit** and **habitable room** occupied by a tenant or lessee, except for such reasonable period of time as may be necessary for the purpose of **repairing**, replacing or otherwise altering said service or utility.
- 9.13.0 INTERIOR WINDOWS, DOORS, SURFACES, FLOORS AND STAIRS
- 9.13.1 Interior windows, doors, surfaces, floors and stairs shall be maintained:
- (a) in a clean, odour free and sanitary condition, reasonable for the normal use or occupancy of the room, passageway, enclosure or space;
 - (b) in good working order and good state of **repair**, free from holes, loose, broken, warped, torn, damaged or decayed boards or materials;

- (c) free from depressions, protrusions, deterioration or other defects which could create an **unsafe condition** or which are out of character with the normal use of the area in which such defect occurs;
- (d) so as to afford the fire resistive properties and other protection for which they shall be designed; and
- (e) free of any graffiti, markings, stains or other defacement.

9.13.2 Interior windows and doors shall also comply with the requirements of section 28.

9.14.0 INTERIOR STRUCTURE – COLUMNS AND BEAMS

9.14.1 A **building** and an **accessory building** and all structural components, including but not limited to all joists, beams, studding, and roof rafters, shall be maintained with material adequate for the load to which they are subjected to.

9.15.0 WALLS-CEILINGS

9.15.1 Every interior surface and finish of walls and ceilings shall be maintained:

- (a) in good state of **repair**, a surface which is reasonably smooth, clean, tight and easily cleaned;
- (b) free of holes, cracks, loose plaster or other material;
- (c) in a **safe condition**;
- (d) so as to possess the fire resistant properties required by the **Building Code Act** and the Fire Protection and Prevention Act, as amended.

9.16.0 ELEVATORS

- 9.16.1 An elevator, an elevating device, dumb-waiters, hoists, escalators, incline lifts including all parts, lighting fixtures, lamps, elevator buttons, floor indicators and ventilation fans shall be maintained in good state of **repair**, operable and in a **safe condition**.

10.0 LIGHTING STANDARDS AND FIXTURES

- 10.1 Adequate lighting standards and fixtures shall be maintained so that the work or operations normally carried out in an area, or the use of an area, can be undertaken in safety and to provide safe passage.

- 10.2 Lighting standards and fixtures shall be kept in a **safe condition**, in good working order and in good visual condition.

11.0 FENCES

- 11.1 A **fence** on a **property** separating adjoining **property** shall:

- (a) be in a structurally sound condition and plumb, unless specifically designed to be other than vertical;
- (b) be maintained in a good state of **repair** and free of accident hazards;
- (c) not present an unsightly appearance.

- 11.2 Without restricting the generality of section 9.1 the maintenance of a **fence** may include:

- (a) protecting by paint, treated with a preservative or other weather resistant material unless the aesthetic characteristics of the **fence** are enhanced by the lack of such treatment.

12.0 WALKWAYS, DRIVEWAYS, RAMPS, PARKING AREAS AND LANDINGS

- 12.1 A walkway, driveway, ramp, parking area and landings shall be promptly cleared of snow and appropriate measures shall be taken to minimize the risk of **persons** slipping or vehicles skidding on an icy surface.
- 12.2 An area used for vehicle traffic and parking shall be maintained through paving or surfaced with crushed stone or other suitable and reasonably dust-free substance, and shall be free from ponding and puddles and maintained in good state of **repair** and **safe condition**.
- 12.3 A parking area, driveway, walkway and other similar public access areas of an **exterior property area** shall be kept clean and free from **waste**, objects or conditions that may create an **unsafe condition**, health, fire, accident hazard or unsightly condition.
- 12.4 A paved communal parking area shall be maintained with suitable markings, such as painted lines, to indicate parking spaces, entry and egress for vehicles to the standard established in the **Township's** zoning by-law.
- 12.5 A walkway and driveway shall be repaved, resurfaced or regraded as often as necessary to maintain a reasonably smooth, slip-free and safe walkway and driveway.
- 12.6 An **owner** shall cause any snow disposal site or snow storage site on a **property** to be:
- (a) maintained so as not to cause a hazard on the **property**; and
 - (b) maintained in such a manner and location on the **property** so as to prevent a hazard, flooding, erosion and other damage to a neighbouring **property**.

13.0 BUILDINGS AND ACCESSORY BUILDINGS

STRUCTURAL ADEQUACY - CAPACITY

- 13.1 All **repairs** and maintenance of **property** required by the standards prescribed in this By-law shall be carried out in a manner accepted as good workmanship in the trades concerned and with materials suitable and sufficient for that purpose.
- 13.2 Every part of a **building** or **accessory building** shall be maintained in good **repair** and in a structurally sound condition so as:
- (a) to be capable of sustaining safely its own weight, and any additional load to which it may normally be subjected to;
 - (b) to be capable of safely accommodating all normal structural movements without damage, decay or deterioration;
 - (c) to prevent the entry of moisture that would contribute to damage, fungus growth, decay or deterioration;
 - (d) to be capable of safely and adequately performing its function subject to all reasonable serviceability requirements.
- 13.3 The abating of an **unsafe condition** may include:
- (a) the provision or **repair** of stairs, balustrades, railings, **guards** and screens so as to minimize the risk of accident;
 - (b) the elimination of other conditions which, in themselves are a hazard to life or which risk serious injury to **persons** normally in or about the subject **building, accessory building**, room, suite of rooms or space;
 - (c) the installation of a handrail in conjunction with every set of stairs containing three (3) or more risers

and such handrail shall be adequately secured and maintained in a good state of **repair**.

14.0 HEALTH AND WASTE

14.1 A **building** and **accessory building** on a **property** shall be kept free of mould, **waste** and pests, such as rodents, vermin, termites and injurious insects and any condition that may promote an infestation.

14.2 In a **dwelling unit**, sufficient rooms, containers and receptacles shall be maintained to safely contain all **waste**, which shall not be allowed to accumulate but shall be removed or made available for removal in accordance with any applicable by-laws.

14.3 An external container and receptacle shall be screened from view and shall be provided with a cover so that the material contained therein is not exposed to injurious insects, termites, rodents, vermin or other pests.

14.4 Every **building** and **accessory building** shall be provided with sufficient proper receptacles to contain all **waste**, which accumulates on the **property**, and such **waste** shall be placed for collection in proper receptacles in compliance with applicable laws and not allowed to accumulate for longer than ten (10) days.

14.5 A receptacle for **waste** shall be:

- (a) made of watertight construction;
- (b) provided with a tight fitting cover, which may be removed only when the receptacle is empty or is being actively loaded;
- (c) maintained in good working condition and order without holes or spillage; and

- (d) closed, or emptied, rinsed and cleaned when not in use, to prevent the escape of offensive odour or **waste**.
- 14.6 Garbage chutes, disposal and collection rooms shall be:
 - (a) washed down and disinfected as necessary so as to maintain a clean and odour free condition; and
 - (b) maintained in good working order.
- 14.7 Injurious insects, termites, vermin, rodents and other pests shall be exterminated and appropriate measures shall be taken to prevent their re-entry to a **building** or **accessory building** on a **property**.
- 14.8 In a **dwelling**, openings in the exterior walls or roof shall be fitted and maintained to protect all habitable space from water and weather entry, and to make such space free from drafts.
- 14.9 No portion of a **dwelling** shall be used for human habitation unless:
 - (a) the floors, walls and ceiling areas are watertight and free from dampness and mould at all times;
 - (b) the total window area, the total **openable area** for natural ventilation and the ceiling height are in accordance with the provisions of the **Building Code Act** or, alternatively, reventilation and/or mechanical ventilation is provided as prescribed by the **Building Code Act**;
 - (c) the required minimum window area of every **habitable room** is entirely above the grade of the ground adjoining such window area, or the top of the window well, whichever is the higher elevation.

15.0 COMPOST

15.1 **Compost** on a **property** shall be maintained in a composter or an open **compost** pile that is not larger than 2.0 square metres (21.5 square feet) in area and 1.0 metre (39 inches) in height.

15.2 A composter or an open **compost** pile shall be kept free of pests, such as rodents, vermin, termites and injurious insects and any condition that may promote an infestation.

16.0 HERITAGE PROPERTIES

16.1 In addition, to all other standards prescribed by this By-law, an owner of a Heritage Property shall:
(a) protect, maintain and stabilize a heritage attribute so as to preserve the existing materials.

17.0 FOUNDATIONS

17.1 A foundation of a **building** or an **accessory building** shall be maintained in good state of **repair** so as to prevent settlement detrimental to the appearance of the **building** or **accessory building**, or the entrance of moisture, vermin, termites, insects or rodents into the **building** or **accessory building**.

17.2 Without limiting the generality of section 26.1, the maintenance of a foundation may include:

- (a) the jacking-up, underpinning or shoring of the foundation where necessary;
- (b) the extension of footings and foundations below grade or regrading to provide adequate frost cover;
- (c) installing subsoil drains at the footing where such would be beneficial;

- (d) the grouting of masonry cracks;
- (e) waterproofing the wall and joints;
- (f) the carrying out of such other work as may be required to overcome any existing settlement detrimental to the appearance of the **building** or **accessory building**;
- (g) **repairing** or replacing decayed, damaged or weakened sills, piers, posts or other supports;
- (h) making sills, piers, posts or other supports insect-proof by the application of suitable materials; and
- (i) coating with a preservative.

18.0 EXTERIOR WALLS, COLUMNS AND BEAMS

18.1 The components of an exterior wall of a **building** or an **accessory building** shall be maintained:

- (a) in good state of **repair** and in a **safe condition**;
- (b) weather tight;
- (c) free from loose or unsecured objects or materials;
- (d) so as to prevent the entrance of insects, termites, vermin, rodents or other animals;
- (e) so as to prevent deterioration due to weather, insects, vermin, termites, rodents and other animals; and
- (f) so as to prevent deterioration detrimental to the appearance of the **building** or an **accessory building**.

- 18.2 Without restricting the generality of section 27.1, the maintenance of an exterior wall of a **building** or an **accessory building** may include:
- (a) the applying of materials to preserve all exterior wood and metal work or other materials not inherently resistant to weathering;
 - (b) the applying of materials to improve or maintain a pleasant and satisfying appearance at least commensurate with that of the neighbourhood;
 - (c) the restoring, **repairing** or replacing of:
 - i) the wall;
 - ii) the masonry units and mortar;
 - iii) the stucco, shingles or other cladding;
 - iv) the coping; and
 - v) the flashing and waterproofing of the wall and joint.
- 18.3 Exterior columns and beams and any decorative trim shall be maintained in a good state of **repair** and in a **safe condition**. Where necessary, such columns, beams and trim shall be restored, **repaired** or replaced and suitably protected or treated against weathering, so as to prevent or remedy deterioration detrimental to the appearance of the **building** or **accessory building**.
- 19.0** EXTERIOR DOORS, WINDOWS AND OTHER OPENINGS – CANOPIES-MARQUEES-AWNINGS
- 19.1 Shutters, windows, doors, hatchways and other exterior openings in a **building** or an **accessory building** shall be kept weather tight, draft free, and in good state of **repair** and working order.
- 19.2 Without restricting the generality of section 28.1, the maintenance of a shutter, window, door, hatchway and other exterior opening may include:

- (a) painting or the applying of a similarly effective preservative;
- (b) the **repair**, replacement or renewing of damaged, decaying, missing or defective:
 - i) doors;
 - ii) door frames and casings;
 - iii) windows and window sashes;
 - iv) window frames and casings;
 - v) shutters;
 - vi) screens;
- (c) refitting doors, windows, shutters or screens;
- (d) reglazing or fitting with an translucent substitute;
- (e) rescreening;
- (f) using other approved means of weatherproofing where the opening is used or required for ventilation or illumination and is not protected by a window, door or similar closure:
 - i) screening with wire mesh, metal grills or other equivalent durable material; or
 - ii) other protection so as to effectively prevent the entry of insects, termites, rodents, vermin or other animals.

19.3 Glazed doors, windows and other transparent surfaces shall be kept clean so as to permit unimpeded visibility and unrestricted passage of light.

19.4 A window in a **dwelling unit** that can be or is required by the standards to be openable shall be provided with screening to effectively prevent the entry of insects.

- 19.5 Nothing in this section shall be construed as preventing doors, windows and other openings in an unoccupied **building** or **accessory building** from being protected from damage or to prevent entry, for such time as determined by section 36.
- 19.6 A canopy, marquee or awning shall be properly anchored so as to be kept in a **safe condition** and shall be protected from decay and rust by a periodic application of weather-coating material.
- 19.7 A **building** shall have a safe, continuous and unobstructed passage from the interior to an exit or the outside of the **building** at street or grade level.
- 19.8 A door that facilitates access to or egress from a **dwelling unit** shall be equipped with locks, and shall be maintained in a good state of **repair** and in an operating condition.
- 20.0** EXTERIOR STAIRS, VERANDAS, PORCHES, DECKS, LOADING DOCKS, BALCONIES AND FIRE ESCAPES
- 20.1 An exterior stair, veranda, porch, deck, loading dock, balcony, fire escapes and every appurtenance attached thereto shall be maintained, reconstructed or **repaired** so as to be safe to use and capable of supporting the loads to which it may be subjected, as specified in the **Building Code Act**, and shall be kept in **safe condition** and good state of **repair**, free of all accident hazards and other deterioration or objects detrimental to the appearance of the **building** or **accessory building**.
- 20.2 Without restricting the generality of section 29.1, the maintenance, reconstructing or **repairing** of an exterior stair, veranda, porch, deck, loading dock, balcony and fire escape may include:

- (a) **repairing** or replacing treads, risers or floors that show excessive wear or are broken, warped, loose or otherwise defective;
- (b) **repairing**, renewing or supporting structural members that are rotted, deteriorated or loose;
- (c) providing, **repairing** or renewing **guard** rails, railings and balustrades; and
- (d) painting or the applying of an equivalent preservative.

20.3 Exterior stairs and fire escapes shall be kept free from ice and snow.

21.0 ROOFS AND ROOF STRUCTURES

21.1 A roof, roof deck, roof structures including solar energy panels, wind generators and related **guards** of a **building** or **accessory building** shall be:

- (a) weather tight and free from leaks;
- (b) free from loose or unsecured or unsafe objects and materials;
- (c) free from accident hazards;
- (d) free from dangerous accumulation of ice and snow;
- (e) kept in a good state of **repair** and in a **safe condition**;
- (f) free from other unsightly objects and conditions detrimental to the appearance of the **building** or **accessory building**.

21.2 An eavestrough, roof gutter and downpipe shall be kept:

- (a) in good **repair**;

- (b) in good working order;
- (c) water tight and free from leaks;
- (d) free from accident hazards;
- (e) protected by painting or the applying of other equivalent preservative.

21.3 Chimneys, smoke or vent stacks and other roof structures shall be maintained plumb and in good state of **repair** and shall be:

- (a) free from loose bricks, mortar and loose or broken capping;
- (b) free from loose or rusted stanchions, guy wires, braces and attachments;
- (c) free from any accident hazard;
- (d) free from the entrance of smoke or gases into a **building** or **accessory building**;
- (e) free from the heating of adjacent combustible materials, walls and structural members to unsafe temperatures;
- (f) weather tight and free from leaks;
- (g) free from unsightly objects and conditions detrimental to the appearance of the **building** or **accessory building**.

22.0 EXTERIOR MAINTENANCE

22.1 All exterior surfaces that have been previously painted, stained, varnished or which have received other similar protective finishes shall be maintained without visible

deterioration from the original finish, or shall be suitably refinished by application of an equivalent preservative.

22.2 Appropriate measures shall be taken to remove any graffiti, markings, stains or other defacement, occurring on the exposed finished exterior surfaces and, where necessary, to restore the exterior surface and adjacent areas to, as near as possible, to its appearance before the markings, stains or defacement occurred.

22.3 In the event of fire or other disaster, measures shall be taken as soon as possible to make the damaged **building** or **accessory building** compatible with its environment. Without restricting the generality of the foregoing, such measures include:

- (a) making the **building** or **accessory building** safe;
- (b) **repairing** of damaged surfaces exposed to view;
- (c) cleaning any damaged surfaces exposed to view;
- (d) refinishing so as to be in harmony with adjoining undamaged surfaces.

22.4 In the event the **building** or **accessory building** is beyond **repair**, the **property** shall be cleared of all remains and left in a graded level and tidy condition.

23.0 VACANT PROPERTY AND VACANT BUILDINGS –
ADDITIONAL STANDARDS

23.1 **Vacant property** shall be kept clear of all **waste** and other materials and equipment not otherwise permitted by the zoning by-law.

23.2 A **vacant building** shall:

- (a) be secured against unauthorized entry;

- (b) have liability insurance; and
- (c) be protected against the risk of fire, accident, or other danger.

23.3 Where a **vacant building** has been vacant for at least sixty (60) consecutive days, a **Property Standards Officer** who reasonably believes that a **vacant building** poses a risk to safety may, in writing, require the **Owner** of a **vacant building** to do any one or more of the following, within the timeframe specified by the **Property Standards Officer**:

- (a) install security measures or devices to the satisfaction of the **Property Standards Officer**, and such measures may include boarding of doors, windows, or other openings; or
- (b) do any work or **repairs** which, in the opinion of the **Property Standards Officer**, are necessary to secure a **vacant building** from unauthorized entry or protect a **vacant building** against the risk of fire, accident, or other danger.

23.4 Where a **vacant building** is boarded or required to be boarded:

- (a) boarding materials shall be installed and maintained in good order;
- (b) boarding materials shall be installed to exclude precipitation and wind from entering the **vacant building**, and to secure the **vacant building** from unauthorized entry, and shall be installed within the reveal of the opening frame or cladding, where feasible;
- (c) unless inherently resistant to deterioration, boarding materials shall be treated with a protective coating of paint or equivalent weather resistant material;

- (d) boarding materials shall be selected, coated, coloured, and installed to match surrounding door/window frames and exterior wall finishes.
- 23.5 Where a **vacant building** remains vacant for more than ninety (90) consecutive days, the **Owner** shall ensure that all utilities serving the **vacant building** are properly disconnected, terminated, or capped, unless such utilities are necessary for the safety or security of the **vacant building**, or unless such utilities are otherwise required by law to remain connected.
- 23.6 When openings in a **vacant building** previously boarded or secured become unsecured, such openings shall be secured again, and as determined by the **Property Standards Officer** may require the use of materials and fasteners of greater strength, installed in such a manner to deter their removal or destruction.
- 23.7 Where a **vacant building** has remained vacant or unoccupied for a period of two (2) years and continues in a state of disrepair and deterioration, a **Property Standards Officer** may issue an order to remove all previously installed boarding from windows and doors and to **repair** the **vacant building** in compliance with the standards set out in this By-law.
- 24.0 ADMINISTRATION AND ENFORCEMENT
- 24.1 A **Property Standards Officer** is responsible for the administration and enforcement of this By-law.
- 24.2 A **Property Standards Officer** may, upon producing proper identification, enter upon any **property** at any reasonable time without a warrant for the purpose of inspecting the **property** to determine,
- (a) whether the **property** conforms with the standards prescribed in this by-law;

- (b) whether an order made under this by-law and the **Building Code Act** has been complied with.

24.3 Despite section 37.2, a **Property Standards Officer** shall not enter or remain in any room or place actually being used as a **dwelling** unless,

- (a) the consent of the **occupant** is obtained, the **occupant** first having been informed that the right of entry may be refused and entry made only under the authority of a warrant issued under the **Building Code Act**;
- (b) a warrant issued under the **Building Code Act** is obtained;
- (c) the delay necessary to obtain a warrant or the consent of the **occupant** would result in an immediate danger to the health or safety of any **person**;
- (d) the entry is necessary to terminate a danger under subsection 15.7 (3) or 15.10 (3) of the **Building Code Act**; or
- (e) the requirements of section 37.4 are met and the entry is necessary to remove an **unsafe condition** under clause 15.9 (6) (b) of the **Building Code Act** or to **repair** or demolish under subsection 15.4(1) of the **Building Code Act**.

24.4 Within a reasonable time before entering the room or place for a purpose described in section 37.3 (e), the **Officer** shall serve the **occupant** with notice of his or her intention to enter it.

24.5 A **Property Standards Officer** for the purposes of an inspection has all the powers as provided for in section 15.8(1) of the **Building Code Act**.

25.0 ORDERS AND COMPLIANCE

25.1 An **owner** of **property** shall comply with the standards and requirements prescribed in this By-law.

25.2 Every **Property Standards Officer** who finds that a **property** does not conform with any of the standards of this By-law, may make an order pursuant to the provisions of Section 15.2 of the **Building Code Act**:

- (a) requiring the **property** that does not conform with the standards to be **repaired** and maintained to conform with the standards; or
- (b) requiring that the site be cleared of all **buildings** or **accessory buildings, structures**, debris or refuse and left in a graded and leveled condition.

25.3 Every **owner** of **property** shall comply with an order made pursuant to this By-law and the **Building Code Act** requiring compliance as confirmed or modified. If an order of a **Property Standards Officer** is not complied with in accordance with the order as deemed confirmed or as confirmed or modified by the **Committee** or a judge, the **Township** may cause the **property** to be **repaired** or demolished accordingly.

25.4 Where any **person** fails to comply with an order issued, the **Township** may enter and cause the required work to be done at the cost of the **person**. The cost of such work may be recovered by action or by adding the costs to the tax roll and collecting the costs in the same manner as property taxes.

26.0 APPEAL OF ORDER

26.1 An **owner** who has been served with an order made under this By-law and **Building Code Act** and who is not satisfied with the terms or conditions of the order may appeal to the

- Committee** by sending a notice of appeal by registered mail to the secretary of the **Committee** within 14 days after being served with the order.
- 26.2 An order that is not appealed within the time referred to in Section 39.1 shall be deemed to be confirmed.
- 26.3 The **Committee** shall hear the appeal.
- 26.4 On an appeal, the **Committee** has all the powers and functions of the **Property Standards Officer** who made the order and the **Committee** may do any of the following things if, in the **Committee's** opinion, doing so would maintain the general intent and purpose of the by-law and of the official plan or policy statement:
- (a) Confirm, modify or rescind the order to demolish or **repair**.
 - (b) Extend the time for complying with the order.
- 26.5 The **Township** in which the **property** is situate or any **owner** or **person** affected by a decision under this section may appeal to the Superior Court of Justice by notifying the Clerk of the **Township** in writing and by applying to the court within 14 days after a copy of the decision is sent.
- 26.6 The Superior Court of Justice shall appoint, in writing, a time and place for the hearing of the appeal and may direct in the appointment the matter in which and the **persons** upon whom the appointment is to be served.
- 26.7 On the appeal, the judge has the same powers and functions as the **Committee**.
- 26.8 An order that is deemed to be confirmed under section 39.2 or that is confirmed or modified by the **Committee** under section 39.3 or a judge under section 39.7, as the case may be, shall be final and binding upon the **owner**

who shall carry out the **repair** or demolition within the time and in the manner specified in the order.

27.0 POWER OF TOWNSHIP TO REPAIR AND DEMOLISH

27.1 If an order is not complied with in accordance with the order as deemed confirmed or as confirmed or modified by the **Committee** or a judge, the **Township** in accordance with section 15.4 of the **Building Code Act** may cause the **property** to be **repaired** or demolished.

27.2 Where an order is not complied with and the **Township** has caused the property to be **repaired** or demolished, the **Township** has priority lien status in accordance with section 1 of the *Municipal Act, 2001, as amended*, on the **property** for the amount spent on the **repair** or demolition and the amount may be added to the tax roll by the Treasurer of the **Township** and may be collected in the same manner as taxes on the **property**.

28.0 EMERGENCY ORDERS

28.1 If upon inspection of a **property** an **Property Standards Officer** is satisfied that there is non-conformity with the standards prescribed in this by-law to such extent as to pose an immediate danger to the health or safety of any **person**, the **Property Standards Officer** may make an order in accordance with section 15.7 of the **Building Code Act** containing particulars of the non-conformity and requiring remedial **repairs** or other work to be carried out immediately to terminate the danger.

29.0 CERTIFICATE OF COMPLIANCE

29.1 After inspecting a **property**, a **Property Standards Officer** who is of the opinion that the **property** is in compliance with the standards established in this By-law, may issue a certificate of compliance to the **owner**.

- 29.2 The prescribed fee set out in the **Township's** Fees and Charges By-law shall be payable prior to the issuance of a certificate of compliance where it is issued at the request of the **owner**.
- 30.0 PENALTY
- 30.1 Every **owner** who fails to comply with an order, as confirmed, any other order, a direction or a requirement made under this By-law is guilty of an offence under Section 36.(1) of the **Building Code Act** and is liable to a penalty or penalties as set out in Section 36 of the **Building Code Act**.
- 31.0 PROPERTY STANDARDS COMMITTEE
- 31.1 A **Committee** is hereby established in accordance with the **Building Code Act**.
- 31.2 The **Committee** shall be composed of such persons, not fewer than three (3), as **Council** considers advisable.
- 31.3 The **Committee** shall hold office for the term of **Council** or until such time as successors are appointed.
- 32.0 EXEMPTIONS
- 32.1 This By-law does not apply to lands on which construction is actively proceeding in accordance with a permit issued pursuant to the *Building Code Act*.
- 32.2 This By-law does not apply so as to prevent a farm, meeting the definition of "agricultural operation" under the *Farming and Food Production Protection Act, 1998*, S.O. 1998 c.1, from carrying out a normal farm practice as provided for and defined under that Act.

33.0 VALIDITY

33.1 If any section, subsection, paragraph, sentence, clause, or provision of this By-Law be declared by a Court of competent jurisdiction to be invalid, illegal or ultra vires for any reason, all other provisions of this By-Law shall remain and continue in full force and effect and shall remain valid and binding.

**READ A FIRST, SECOND AND THIRD TIME AND FINALLY PASSED THIS 22nd
DAY OF JANUARY, 2020.**

James Seeley, Mayor

Glenn Schwendinger, CAO/Clerk

THE CORPORATION OF THE TOWNSHIP OF PUSLINCH

BY-LAW NUMBER 011-2020

Being a by-law to confirm the proceedings of the Council of the Corporation of the Township of Puslinch at its Budget Council meeting held on January 22, 2020.

WHEREAS by Section 5 of the *Municipal Act, 2001, S.O. 2001, c.25* the powers of a municipal corporation are to be exercised by its Council;

AND WHEREAS by Section 5, Subsection (3) of the *Municipal Act*, a 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 it is deemed expedient that the proceedings of the Council of the Corporation of the Township of Puslinch at its Budget Council meeting held on January 22, 2020 be confirmed and adopted by By-law;

NOW THEREFORE the Council of the Corporation of the Township of Puslinch hereby enacts as follows:

- 1) The action of the Council of the Corporation of the Township of Puslinch, in respect of each recommendation contained in the reports of the Committees and each motion and resolution passed and other action taken by the Council at said meeting are hereby adopted and confirmed.
- 2) The Head of Council and proper official of the Corporation are hereby authorized and directed to do all things necessary to give effect to the said action of the Council.
- 3) The Head of Council and the Clerk are hereby authorized and directed to execute all documents required by statute to be executed by them, as may be necessary in that behalf and the Clerk authorized and directed to affix the seal of the said Corporation to all such documents.

READ A FIRST, SECOND AND THIRD TIME AND FINALLY PASSED THIS 22nd DAY OF JANUARY, 2020.

James Seeley, Mayor

Glenn Schwendinger, CAO/Clerk