

**CHAIR:**

F. DALE

**MEMBERS:**

G. CARLSON

D. COOK

B. CROMBIE

J. DOWNEY

C. FONSECA

G. GIBSON

A. GROVES

N. IANNICCA

J. INNIS

L. JEFFREY

J. KOVAC

M. MAHONEY

S. MCFADDEN

M. MEDEIROS

G. MILES

E. MOORE

M. PALLESCHI

C. PARRISH

K. RAS

P. SAITO

B. SHAUGHNESSY

J. SPROVIERI

R. STARR

A. THOMPSON



The Council of the  
**Regional Municipality of Peel**  
**REVISED AGENDA**

**Date:** Thursday, May 24, 2018

**Time:** 9:30 AM

**Place:** Council Chamber, 5<sup>th</sup> Floor  
Regional Administrative Headquarters  
10 Peel Centre Drive, Suite A  
Brampton, Ontario

**For inquiries about this agenda or to make arrangements for accessibility accommodations including alternate formats, please contact:**

Christine Thomson at (905) 791-7800, ext. 4582 or at  
[christine.thomson@peelregion.ca](mailto:christine.thomson@peelregion.ca).

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1. **ROLL CALL**

2. **DECLARATIONS OF CONFLICTS OF INTEREST**

3. **APPROVAL OF MINUTES**

3.1. May 10, 2018 Regional Council meeting

4. **APPROVAL OF AGENDA**

5. **PUBLIC ANNOUNCEMENTS SPONSORED BY A MEMBER OF COUNCIL**

6. **CONSENT AGENDA**

7. **DELEGATIONS**

7.1. **Maureen Johnston, Retired, Peel Region Resident,** Regarding the Holiday Shopping By-law (Related to 7.2)

7.2. **Justin Totten, Grocery Store Worker,** Regarding the Holiday Shopping By-law (Related to 7.1)

8. **ITEMS RELATED TO HEALTH**

*Chaired by Councillor E. Moore or Vice-Chair Councillor G. Gibson*

8.1. 2018 Vector-Borne Disease Update (For information)

8.2. Opioid Strategy for Peel Update (For information) (Related to 8.3)

8.3. Evidence for Supervised Consumption Sites (For information) (Related to 8.2)

8.4. Update on Enhancements to the Region of Peel Low Income Seniors Dental Program

8.5. Community Paramedicine Program Study

9. **COMMUNICATIONS**

9.1. **Dr. Helena Jaczek, Minister of Health and Long-Term Care,** Letter dated April 27, 2018, Regarding One Time Funding to Support Dedicated Nurses to Receive Ambulance Patients at Local Hospitals (Receipt recommended)

9.2. **Dipika Damerla, Minister of Seniors Affairs,** Letter dated May 4, 2018, Advising that June is Ontario's 34th Seniors Month (Receipt recommended) (Related to 13.1)

- 9.3. **Dr. Helena Jaczek, Minister of Health and Long-Term Care**, Letter dated May 7, 2018, Regarding One time Funding to Support Public Health Programs and Services in the Community (Receipt recommended)

**10. ITEMS RELATED TO HUMAN SERVICES**

*Chaired by Councillor M. Medeiros or Vice-Chair Councillor J. Downey*

- 10.1. Service Delivery Model to Create Equitable Access to High Quality EarlyON Child and Family Programs  
Presentation by Suzanne Finn, Director, Early Years and Child Care Services;  
and Lory Wolter, Executive Director, BridgeWay Family Centre

**11. COMMUNICATIONS**

**12. ITEMS RELATED TO ENTERPRISE PROGRAMS AND SERVICES**

*Chaired by Councillor C. Fonseca or Vice-Chair Councillor G. Miles*

- 12.1. Funding of Capped Tax Increases - 2018 (Related to By-law 32-2018)
- 12.2. 2017 Treasury Report (For information)
- 12.3. Municipalities for Climate Innovation Program Fund Application (**A copy of the Application is available from the Office of the Regional Clerk for viewing**)
- 12.4. 2018 Region of Peel Corporate Social Responsibility Strategy Annual Update Report (For information) (Related to 14.1)
- 12.5. Public Sector Network (PSN) Update and Budget
- 12.6. Supply of CISCO Hardware, Software, Annual Maintenance and Services for Region of Peel – Document 2015-035T
- 12.7. Report of the Emergency Management Program Committee (EMPC-1/2018) meeting held on May 3, 2018

**13. COMMUNICATIONS**

- 13.1. **Dipika Damerla, Minister of Seniors Affairs**, Letter dated May 2018, Regarding Nominations for the Ontario Senior Achievement Award (Receipt recommended) (Related to 9.2)

**14. ITEMS RELATED TO PUBLIC WORKS**

*Chaired by Councillor R. Starr or Vice-Chair Councillor A. Groves*

- 14.1. The Region of Peel's Green Fleet Strategy (For information) (Related to 12.4)  
Presentation by Shaun Hewitt, Director, Operations Support

- 14.2. Accessible Transportation Master Plan Update
- 14.3. *Clean Water Act* Requirements - Amendments to the Assessment Reports and Source Protection Plan
- 14.4. Engineering Services for Detailed Design for Structure Widening at Regional Road 19 (Winston Churchill Boulevard) at Highway 407, Project 16-4070, and Regional Road 18 (Mavis Road) at Highway 407, Project 18-4070, Document 2018-409N, City of Brampton, Wards 4 and 6 and City of Mississauga, Wards 9 and 11

**15. COMMUNICATIONS**

- 15.1. **Cordelia Clarke Julien, Assistant Deputy Minister, Ontario Growth Secretariat, Ministry of Municipal Affairs**, Email dated May 4, 2018, Announcing the Final Land Needs Assessment Methodology for the Greater Golden Horseshoe (Referral to Public Works recommended)

**16. OTHER BUSINESS**

**17. NOTICE OF MOTION/MOTION**

- 17.1. **Motion from Councillor Groves** Regarding Air Quality in Caledon
- 17.2. **Motion from Councillor Saito** Regarding Reconsideration of Resolution 2018-211, Community Event Paid Duty Policing
- 17.3. **Motion from Councillor Sprovieri** Regarding Community Water Fluoridation Committee Vacancies

**18. BY-LAWS**

Three Readings

By-law 32-2018: A by-law to establish percentages by which tax decreases are limited for 2018 for properties in the commercial, industrial and multi-residential property classes. (Related to 12.1)

**19. IN CAMERA MATTERS**

**20. BY-LAW TO CONFIRM THE PROCEEDINGS OF COUNCIL**

**21. ADJOURNMENT**



**THE COUNCIL OF  
THE REGIONAL MUNICIPALITY OF PEEL  
May 10, 2018**

Regional Chair Dale called the meeting of Regional Council to order at 9:33 a.m. in the Council Chamber, Regional Administrative Headquarters, 10 Peel Centre Drive, Suite A, Brampton.

**1. ROLL CALL**

**Members Present:**

<b>G. Carlson</b>	<b>S. McFadden</b>
<b>D. Cook</b>	<b>M. Medeiros</b>
<b>B. Crombie*</b>	<b>G. Miles</b>
<b>F. Dale</b>	<b>E. Moore</b>
<b>J. Downey</b>	<b>M. Palleschi</b>
<b>G. Gibson</b>	<b>C. Parrish</b>
<b>A. Groves</b>	<b>K. Ras</b>
<b>N. Iannicca</b>	<b>P. Saito</b>
<b>J. Innis</b>	<b>B. Shaughnessy</b>
<b>L. Jeffrey</b>	<b>J. Sprovieri</b>
<b>J. Kovac*</b>	<b>R. Starr</b>
<b>M. Mahoney</b>	<b>A. Thompson</b>

**Members Absent:** **C. Fonseca** **Due to personal matters**

**Also Present:** D. Szwarc, Chief Administrative Officer; L. Graham-Watson, Commissioner of Corporate Services; S. VanOfwegen, Commissioner of Finance and Chief Financial Officer and Acting Commissioner of Digital and Information Services; P. O'Connor, Regional Solicitor; J. Smith, Commissioner of Public Works; J. Sheehy, Commissioner of Human Services; N. Polsinelli, Commissioner of Health Services; Dr. J. Hopkins, Medical Officer of Health; K. Lockyer, Regional Clerk and Director of Clerk's; C. Thomson, Legislative Specialist; S. Valteau, Legislative Technical Coordinator; H. Gill, Legislative Technical Coordinator

**2. DECLARATIONS OF CONFLICTS OF INTEREST - Nil**

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\* See text for arrivals  
♦ See text for departures  
★ Denotes alternate member

**3. APPROVAL OF MINUTES**

**3.1. April 26, 2018 Regional Council meeting**

Moved by Councillor Mahoney,  
Seconded by Councillor Innis;

That the minutes of the April 26, 2018 Regional Council meeting be approved.

Carried 2018-365

**4. APPROVAL OF AGENDA**

Moved by Councillor Groves,  
Seconded by Councillor Saito;

That the agenda for the May 10, 2018 Regional Council meeting include a Notice of Motion regarding Air Quality in Caledon for consideration at the May 24, 2018 Regional Council meeting, to be dealt with under Notice of Motion/Motion – Item 17.1;

And further, that the agenda for the May 10, 2018 Regional Council meeting include a Notice of Motion regarding Paid Duty Policing for consideration at the May 24, 2018 Regional Council meeting, to be dealt with under Notice of Motion/Motion – Item 17.2;

And further, that the agenda for the May 10, 2018 Regional Council meeting be approved, as amended.

Carried 2018-366

**5. PUBLIC ANNOUNCEMENTS SPONSORED BY A MEMBER OF COUNCIL**

**6. CONSENT AGENDA**

Moved by Councillor Palleschi,  
Seconded by Councillor Shaughnessy;

That the following matters listed on the May 10, 2018 Regional Council Agenda be approved under the Consent Agenda:

10.1. 2018 Tax Capping Policy - Selection of Options

10.2. Report of the Audit and Risk Committee (ARC-2/2018) meeting held on April 19, 2018

- 10.3. Report of the Region of Peel Accessibility Advisory Committee (AAC-2/2018) meeting held on April 19, 2018
- 11.1. Bob Chiarelli, Minister of Infrastructure, Letter dated April 19, 2018, Regarding the Integrated Bilateral Agreement
- 12.1. Detailed Design, Contract Administration, and Construction Inspection and Supervision Services for Regional Road 15 (Steeles Avenue) from Regional Road 1 (Mississauga Road) to Regional Road 19 (Winston Churchill Boulevard), Capital Project 16-4020, Document 2018-024P, City of Brampton, Wards 4 and 6
- 13.2. Carey deGorter, General Manager, Corporate Services/Town Clerk, Town of Caledon, Letter dated April 18, 2018, Regarding a Resolution Requesting the Region of Peel for All-Day Street Parking - Queen Street
- 14.1. Peel Long Term Care's Complex Care Model - Update
- 14.3. Report of the Community Water Fluoridation Committee (CWFC-1/2018) meeting held on April 19, 2018
- 15.1. Dr. Helena Jaczek, Minister of Health and Long-Term Care, Letter dated April 13, 2018, Regarding Additional Base Funding for the Provision of Public Health Programs and Services

<b>In Favour</b>	G. Carlson; D. Cook; B. Crombie; J. Downey; G. Gibson; A. Groves; N. Iannicca; J. Innis; L. Jeffrey; J. Kovac; M. Mahoney; S. McFadden; M. Medeiros; G. Miles; E. Moore; M. Palleschi; C. Parrish; K. Ras; P. Saito; B. Shaughnessy; J. Sprovieri; R. Starr; A. Thompson	<b>Total 23</b>
<b>Opposed</b>		
<b>Abstain</b> <i>(counted as a no vote)</i>		
<b>Absent</b> <i>(from meeting and/or vote)</i>	C. Fonseca	1

Carried 2018-367

*Councillor Kovac arrived at 9:37 a.m.  
Councillor Crombie arrived at 9:40 a.m.*

**RESOLUTIONS AS A RESULT OF THE CONSENT AGENDA**

10.1. **2018 Tax Capping Policy - Selection of Options**

Moved by Councillor Palleschi,  
Seconded by Councillor Shaughnessy;

That a by-law be presented for enactment authorizing the Region of Peel to apply the optional tools for tax capping available to it under subsection 329.1(1) of the *Municipal Act, 2001*, as amended, (the "Act") and Ontario Regulation 73/03, as amended, as recommended in the report of the Commissioner of Finance and Chief Financial Officer titled "2018 Tax Capping Policy-Selection of Options";

And further, that the subject by-law remove property in the commercial, industrial and multi-residential property classes from capping and clawback of 2018 taxes for municipal and school purposes, by exempting property from the application of Part IX of the Act in accordance with Ontario Regulation 73/03, as amended and as recommended in the subject report.

Carried 2018-368

Related to 2018-467

10.2. **Report of the Audit and Risk Committee (ARC-2/2018) meeting held on April 19, 2018**

Moved by Councillor Palleschi,  
Seconded by Councillor Shaughnessy;

That the report of the Audit and Risk Committee (ARC-2-2018), meeting held on April 19, 2018 be adopted.

Carried 2018-369

Related to 2018-467

**1. DECLARATIONS OF CONFLICTS OF INTEREST - Nil**

**2. APPROVAL OF AGENDA**

RECOMMENDATION ARC-3-2018:

*That the agenda for the April 19, 2018 Audit and Risk Committee meeting, be approved.*

Approved 2018-370



**3. DELEGATIONS**

- 3.1. **Stephanie Nagel, Treasurer and Director of Corporate Finance, Region of Peel, Presenting the Outstanding Agency Accreditation Achievement Award by the National Institute for Governmental Procurement to the Purchasing Division of Finance at the Region of Peel**

Received 2018-371

- 3.2. **Trevor Ferguson, Audit Partner, Deloitte LLP, Presenting the 2017 Deloitte Audit Results Report**

Received 2018-372

**4. REPORTS**

- 4.1. **2017 Region of Peel Consolidated Financial Statements**

Received 2018-373

- 4.2. **2017 Peel Housing Corporation Financial Statements**

Received 2018-374

- 4.3. **2017 Deloitte Audit Results Report**

Received 2018-375

- 4.4. **2017 Region of Peel Debt Retirement and Sinking Funds Financial Statements**

Received 2018-376

- 4.5. **2017 Region of Peel Trust Funds Financial Statements**

Received 2018-377

- 4.6. **New Procurement By-Law**  
*Presentation by Patricia Caza, Acting Director, Procurement*

Received 2018-378

Related to 2018-379

RECOMMENDATION ARC-4-2018:

*That a revised Procurement By-law, as generally described in the report of the Commissioner of Finance and Chief Financial Officer, titled "New Procurement By-law", be presented to Regional Council for enactment.*

Approved 2018-379

Related to 2018-378 and 2018-467

4.7. **Board of Health Financial Controls Checklist**

Received 2018-380

5. **COMMUNICATIONS**

5.1. **Rick Grimm, Chief Executive Officer, The Institute for Public Procurement, Regarding the Region of Peel's Outstanding Agency Accreditation Achievement Award from the National Institute for Governmental Procurement.**

Received 2018-381

10.3. **Report of the Region of Peel Accessibility Advisory Committee (AAC-2/2018) meeting held on April 19, 2018**

Moved by Councillor Palleschi,  
Seconded by Councillor Shaughnessy;

That the report of the Region of Peel Accessibility Advisory Committee (AAC-2/2018) meeting held on April 19, 2018 be adopted.

Carried 2018-382

1. **CALL TO ORDER**

2. **DECLARATIONS OF CONFLICTS OF INTEREST - Nil**

**3. APPROVAL OF AGENDA**

RECOMMENDATION AAC-2-2018:

*That the agenda for the April 19, 2018, Region of Peel Accessibility Advisory Committee meeting be approved.*

Approved 2018-383

**4. PREVIOUS MEETING MINUTES**

- 4.1. *Minutes of the Region of Peel Accessibility Advisory Committee (AAC-1/2018) meeting held on February 15, 2018*

Received 2018-384

**5. DELEGATIONS - Nil**

**6. REPORTS**

6.1. **Workspace Design Standards**

*Presentation by Jane Rowbotham, Manager, Workplace Planning & Asset Management and Heather Montgomery, Supervisor, Occupant Services*

Received 2018-385

- 6.2. **Food Handler Certification Training – Addressing the Accessibility Needs of Clients**

Received 2018-386

Related to 2018-387

RECOMMENDATION AAC-3-2018:

*That staff report back to a future meeting of the Accessibility Advisory Committee with an update on the Food Handler Certification Training Program.*

Approved 2018-387

Related to 2018-386

6.3. **Annual Accessibility Status Report 2017**

Received 2018-388

6.4. **Accessibility Planning Program Update - April 19, 2018**

Received 2018-389

7. **COMMUNICATIONS**

7.1. **Accessibility Directorate of Ontario, Email dated March 20, 2018, Regarding Employment Standards Review: Public Feedback Wanted**

Received 2018-390

7.2. **Coalition for Persons With Disabilities, Flyer received April 4, 2018, Regarding Connections 2018 Resource Fair and Career Corner for Persons with Disabilities**

Received 2018-391

7.3. **Town of Caledon, Flyer received April 10, 2018, Regarding Seniors Day**

Received 2018-392

8. **OTHER BUSINESS**

8.1. **Tarryl Tamlin, Region of Peel Accessibility Advisory Committee Member, Email dated March 7, 2018, Advising of His Resignation from the Region of Peel Accessibility Advisory Committee**

*Moved Rabia Khedr;*

RECOMMENDATION AAC-4-2018:

*That the resignation of Tarryl Tamlin from the Region of Peel Accessibility Advisory Committee (AAC), be received.*

Approved 2018-393

11.1. **Bob Chiarelli, Minister of Infrastructure, Letter dated April 19, 2018, Regarding the Integrated Bilateral Agreement**

Received 2018-394

- 12.1. **Detailed Design, Contract Administration, and Construction Inspection and Supervision Services for Regional Road 15 (Steeles Avenue) from Regional Road 1 (Mississauga Road) to Regional Road 19 (Winston Churchill Boulevard), Capital Project 16-4020, Document 2018-024P, City of Brampton, Wards 4 and 6**

Moved by Councillor Palleschi,  
Seconded by Councillor Shaughnessy;

That the contract (Document 2018-024P) for detailed design, contract administration, and construction inspection and supervision services for Regional Road 15 (Steeles Avenue) from Regional Road 1 (Mississauga Road) to Regional Road 19 (Winston Churchill Boulevard) in the City of Brampton be awarded to WSP Canada Group Limited, in the estimated amount of \$3,071,000 (excluding applicable taxes), under Capital Project 16-4020, in accordance with Purchasing By-law 113-2013;

And further, that additional funds of \$1,600,000 be provided to Capital Project 16-4020, financed from the Roads Development Charge Reserve Fund, R3505.

Carried 2018-395

- 13.2. **Carey deGorter, General Manager, Corporate Services/Town Clerk, Town of Caledon**, Letter dated April 18, 2018, Regarding a Resolution Requesting the Region of Peel for All-Day Street Parking - Queen Street

Received 2018-396

- 14.1. **Peel Long Term Care's Complex Care Model - Update**

Received 2018-397

Related to 2018-463

- 14.3. **Report of the Community Water Fluoridation Committee (CWFC-1/2018) meeting held on April 19, 2018**

Moved by Councillor Palleschi,  
Seconded by Councillor Shaughnessy;

That the report of the Community Water Fluoridation Committee (CWFC-1/2018) meeting held on April 19, 2018, be approved.

Carried 2018-398

**4. DELEGATIONS**

- 4.3. **Dr. Gilles Parent**, Addressing the Ministry of Health and Long-Term Care's Response to Regional Chair Dale's Letter Regarding Regional Water Fluoridation in Ontario

Received 2018-399

**A quorum of voting members was achieved.**

**1. ELECTION OF CHAIR AND VICE-CHAIR**

RECOMMENDATION CWFC-1-2018

*That Councillor Downey be appointed Chair of the Community Water Fluoridation Committee for a term ending on November 30, 2018, or upon dissolution of the Committee, whichever occurs first.*

Approved 2018-400

RECOMMENDATION CWFC-2-2018

*That Councillor Sprovieri be appointed Vice-Chair of the Community Water Fluoridation Committee for a term ending on November 30, 2018, or upon dissolution of the Committee, whichever occurs first.*

Approved 2018-401

**2. DECLARATIONS OF CONFLICTS OF INTEREST – Nil**

**3. APPROVAL OF AGENDA**

RECOMMENDATION CWFC-3-2018:

*That Delegations 4.1 and 4.2 listed on the agenda for the April 19, 2018 Community Water Fluoridation Committee meeting, be withdrawn;*

*And further, that the agenda for the April 19, 2018 Community Water Fluoridation Committee meeting be approved, as amended.*

Approved 2018-402

**4. DELEGATIONS**

- 4.1. **Liesa Cianchino, Resident, Regarding Water Fluoridation in Peel**

This item was withdrawn under Resolution 2018-402

- 4.2. **Christine Massey, Spokesperson, Fluoride Free Peel, Regarding Water Fluoridation in Peel**

This item was withdrawn under Resolution 2018-402

- 4.3. **Dr. Gilles Parent, Addressing the Ministry of Health and Long-Term Care's Response to Regional Chair Dale's Letter Regarding Regional Water Fluoridation in Ontario**

This item was dealt with earlier in the meeting

**5. REPORTS – Nil**

**6. COMMUNICATIONS**

- 6.1. **Tobiah Abramson, Order of Business Coordinator, Office of the City Clerk, The City of Windsor, E-mail dated March 1, 2017, Responding to a Letter from Regional Chair Dale, Acknowledging Receipt of Resolution 2017-68**

Received 2018-403

- 6.2. **Heather Woolsey, Administrative Assistant, Administration and Legislation, City Clerk's Office, City of London, E-mail dated March 7, 2017, Responding to a Letter from Regional Chair Dale, Acknowledging Receipt of Resolution 2017-68**

Received 2018-404

- 6.3. **Nancy J. Bozzato, Town Clerk, Pelham Niagara, Letter dated March 8, 2017, Responding to a Letter from Regional Chair Dale, Acknowledging Receipt of Resolution 2017-68**

Received 2018-405

- 6.4. **Clerk's Office, Municipality of Dutton Dunwich**, Council Resolution dated March 8, 2017, Supporting the Region of Peel's Resolution 2017-68

Received 2018-406

- 6.5. **Kathleen Wynne, Premier of Ontario**, Letter dated March 9, 2017, Responding to a Letter from Regional Chair Dale, Acknowledging Receipt of Resolution 2017-68 and Deferring Consideration to the Minister of Health and Long-Term Care

Received 2018-407

- 6.6. **Dan Thibeault, Clerk Treasurer and Chief Administrative Officer, Municipality of Charlton and Dack**, Resolution dated March 13, 2017, Supporting the Region of Peel's Resolution 2017-68

Received 2018-408

- 6.7. **Amber McDonald, Deputy Clerk, Township of Georgian Bay**, Letter dated March 14, 2017, Acknowledging Receipt of a Letter from Chair Dale, With Respect to Resolution 2017-68

Received 2018-409

- 6.8. **Guyaine Coulombe, Chief Administrative Officer and Clerk, Municipality of Mattice Val Côté**, Resolution dated March 20, 2017, Supporting the Region of Peel's Resolution 2017-68

Received 2018-410

- 6.9. **Agatha Armstrong, Deputy Clerk, Corporation of the Town of LaSalle**, Letter dated March 21, 2017, Providing a Copy of a Letter Sent to Kathleen Wynne, Premier of Ontario, Indicating Support of Region of Peel Resolution 2017-68

Received 2018-411

- 6.10. **Alison Collard, Clerk, The Corporation of Champlain Township**, Letter dated March 21, 2017, Supporting the Region of Peel's Resolution 2017-68

Received 2018-412



- 6.11. **Therese Hall, Administrative Assistant, Town of Englehart**, Letter dated March 22, 2017, Supporting the Region of Peel's Resolution 2017-185 Regarding Alternative Approaches to Water Fluoridation to the Current Community Water Fluoridation
- Received 2018-413
- 6.12. **Krista Royal, Deputy Clerk, Town of The Blue Mountains**, Resolution dated March 27, 2017, Acknowledging Receipt of a Letter from Chair Dale, With Respect to Resolution 2017-68
- Received 2018-414
- 6.13. **Liesa Cianchino, Resident**, E-mail dated March 29, 2017, Inquiring if the Region of Peel has Received a Response to Resolution 2017-68 from the Ministry of Health and Long-Term Care
- Received 2018-415
- 6.14. **John Sprovieri, Regional Councillor, City of Brampton**, E-mail dated March 31, 2017, Providing Information on the Biological Effects of Fluoride
- Received 2018-416
- 6.15. **Liesa Cianchino, Resident**, E-mail dated March 31, 2017, Requesting a Copy of Regional Chair Dale's Letter to the Minister of Health and Long-Term Care and Responses Received from the Ministry
- Received 2018-417
- 6.16. **Bonnie Nistico-Dunk, City Clerk, City of St. Catherines**, Letter dated March 31, 2017, Responding to a Letter from Regional Chair Dale, Acknowledging Receipt of Resolution 2017-68
- Received 2018-418
- 6.17. **John Sprovieri, Regional Councillor, City of Brampton**, E-mail dated March 31, 2017, Providing Information and Studies Related to the Effects of Fluoride in Relation to Dementia/Alzheimer's
- Received 2018-419

- 6.18. **John Sprovieri, Regional Councillor, City of Brampton, E-mail dated March 31, 2017, Providing the 1957 Supreme Court Ruling that Fluoride is a Medication**

Received 2018-420

- 6.19. **Dr. Lawrence Loh, Acting Medical Officer of Health, Region of Peel, Email dated April 4, 2017, Responding to an Email from Councillor Tovey Regarding the Environmental Protection Agency's Response to the Challenges to Community Water Fluoridation Asserted by Paul Connett**

Received 2018-421

- 6.20. **Christine Massey, Spokesperson, Fluoride Free Peel, E-mail dated April 4, 2017, Providing Information Regarding the Jurisdiction of the Ministry of Environment and Climate Change Over Large Municipal Drinking Water Systems**

Received 2018-422

- 6.21. **Christine Massey, Spokesperson, Fluoride Free Peel, E-mail dated April 7, 2017, Responding to Information Contained in the Region of Peel Oral Health Report**

Received 2018-423

- 6.22. **Robert Deschene, Chief Administrative Officer, Clerk, and Treasurer, Township of Nairn and Hyman, Letter dated April 13, 2017, Responding to a Letter from Regional Chair Dale, Advocating to the Provincial Government to Clarify and Assume a Legislative Role in Community Water Fluoridation (Resolution 2017-185)**

Received 2018-424

- 6.23. **Christine Massey, Spokesperson, Fluoride Free Peel, Email dated April 28, 2017, Providing Comments to Dr. Loh's Response to Ms. Massey's Formal Complaint**

Received 2018-425

- 6.24. **John Sprovieri, Regional Councillor, City of Brampton, Email dated April 28, 2017, Providing a List of Issues to be Considered by the Community Water Fluoridation Committee**

Received 2018-426

- 6.25. **Victoria Bull, Deputy Clerk, The Corporation of the Township of Minden Hills, Resolution dated May 25, 2017, Supporting the Region of Peel's Resolution 2017-68**
- Received 2018-427
- 6.26. **Jim Tovey, Regional Councillor, City of Mississauga, Email dated July 4, 2017, Requesting the Inclusion of a Study Related to Water Fluoridation on the Community Water Fluoridation Committee Agenda**
- Received 2018-428
- 6.27. **Christine Massey, Spokesperson, Fluoride Free Peel, Email dated July 5, 2017, Responding to Kathryn Lockyer's E-mail dated July 5, 2017, Requesting Clarification on How and What Items will be Referred to the Community Water Fluoridation Committee**
- Received 2018-429
- 6.28. **Olha Dobush, Director, Chronic Disease and Injury Prevention, Region of Peel, Email dated July 17, 2017, Providing Councillor Sprovieri with Examples of Studies Demonstrating the Effectiveness and Safety of Community Water Fluoridation**
- Received 2018-430
- 6.29. **Christine Massey, Spokesperson, Fluoride Free Peel, Email dated August 8, 2017, Providing Information from the Fluoride Action Network Regarding Australia's Fluoridation Review**
- Received 2018-431
- 6.30. **Christine Massey, Spokesperson, Fluoride Free Peel, Email dated August 21, 2017, Providing a Report Regarding Fluoride and Cataract Blindness**
- Received 2018-432
- 6.31. **Christine Massey, Spokesperson, Fluoride Free Peel, Email dated September 12, 2017, Providing Information from a Former Chief Dental Officer at the US Public Health Service**
- Received 2018-433

- 6.32. **Merilyn Haines, Chair, Fluoride Action Network, Australia, Email dated September 13, 2017, Regarding Flawed Review of Water Fluoridation from the 2017 National Health and Medical Research Council**
- Received 2018-434
- 6.33. **Christine Massey, Spokesperson, Fluoride Free Peel, Email dated September 22, 2017, Providing Information on Studies Regarding Fluoride Exposure in Utero Linked to Lower IQ in Kids**
- Received 2018-435
- 6.34. **Christine Massey, Spokesperson, Fluoride Free Peel, Email dated October 11, 2017, Providing a News Release Regarding Tooth Decay Rates in Calgary**
- Received 2018-436
- 6.35. **Christine Massey, Spokesperson, Fluoride Free Peel, Email dated January 26, 2018, Regarding the Region of Peel Budget Related to Hydrofluorosilicic Acid in Drinking Water**
- Received 2018-437
- 6.36. **Christine Massey, Spokesperson, Fluoride Free Peel, E-mail dated February 22, 2018, Providing an Update Regarding Fluoride Effects on Pineal Glands**
- Received 2018-438
- 6.37. **Christine Massey, Spokesperson, Fluoride Free Peel, Email dated February 8, 2018, Regarding Article in "Nature", an Academic Journal, Regarding "Impact of Drinking Water Fluoride on Human Thyroid Hormones: A Case-Control Study"**
- Received 2018-439
- 6.38. **Gurpreet Singh Dhillon, City Councillor, City of Brampton, Providing Comments Regarding Water Fluoridation as Referred from the November 16, 2017 Regional Council Budget Meeting**
- Received 2018-440

- 6.39. **John Sprovieri, Regional Councillor, City of Brampton, Email dated February 27, 2018, Regarding the Minister of Health and Long-Term Care's Resignation**

Received 2018-441

- 6.40. **John Sprovieri, Regional Councillor, City of Brampton, E-mail dated March 2, 2018, Regarding a Blog Posted by Siskinds Environmental Law Related to the Safe Water Drinking Act and the Standard of Care**

Received 2018-442

- 6.41. **John Sprovieri, Regional Councillor, City of Brampton, E-mail dated March 10, 2018, Responding to an E-mail from Christine Massey, Regarding the Medical Officer of Health Declining Fluoridation Debate in Parry Sound**

Received 2018-443

- 6.42. **Dr. Raymond Ray, Retired Biochemist and Nuclear Physicist, E-mail dated March 12, 2018 Regarding Concerns Associated with Water Fluoridation**

Received 2018-444

- 6.43. **Roselle Martino, Assistant Deputy Minister, Population and Public Health Division, Ministry of Health and Long-Term Care, Letter dated March 23, 2018, Providing a Response to Regional Chair Dale's Letter Regarding Regional Water Fluoridation in Ontario (Resolution 2017-68)**

Received 2018-445

- 6.44. **Christine Massey, Spokesperson, Fluoride Free Peel, E-mail dated April 2, 2018, Regarding Fluoride Intake for Children**

Received 2018-446

- 6.45. **Christine Massey, Spokesperson, Fluoride Free Peel, E-mail dated April 4, 2018, Regarding Fluoride Exposure in Utero**

Received 2018-447

- 6.46. **Karen Ras, Regional Councillor, City of Mississauga, E-mail dated April 5, 2018, Providing Her Resignation from the Community Water Fluoridation Committee**

Received 2018-448

- 6.47. **John Sprovieri, Regional Councillor, City of Brampton, E-mail dated April 6, 2018, Submitting a Hyperlink to a Video from Simon Fraser University Regarding the Impact of Toxins on the Developing Brain**

Received 2018-449

- 6.48. **Annette Groves, Regional Councillor, Town of Caledon, E-mail dated April 10, 2018, Providing Her Resignation from the Community Water Fluoridation Committee**

Received 2018-450

**7. IN CAMERA MATTERS - Nil**

**8. OTHER BUSINESS**

- 8.1 **Recommendation from Councillor Palleschi Regarding Verification of Water Fluoridation Statements**

RECOMMENDATION CWFC-4-2018:

*That staff report to the next Community Water Fluoridation Committee meeting to verify the following listed statements:*

1. *The Supreme Court of Canada ruled that water fluoridation is a medication.*
2. *Health Canada classifies water fluoridation as a water treatment chemical.*
3. *The Supreme Court Ruling that water fluoridation is a medication is still in effect.*
4. *The Minister of Health and Long Term Care states that tooth decay is a disease.*
5. *The Minister of Health and Long Term Care states that water fluoridation prevents tooth decay.*
6. *Section 7 of the Charter of Rights and Freedoms protect Canadians from forced medication.*
7. *The Centers for Disease Control and Prevention (CDC) states that fluoride is mainly effective in reducing cavities when applied topically.*

8. *Dr. Cooney admitted that water fluoridation prevents less than a ½ cavity per person per lifetime.*
9. *The World Health Organization (WHO) reports that cavity rates in un-fluoridated countries are similar to fluoridated countries.*
10. *Health Canada and the Provincial Minister of Health promote water fluoridation to be safe and effective.*
11. *Seventy per cent of Canadian towns and cities have discontinued water fluoridation.*
12. *Fluoride, classified as a Neuro Toxin by the US Environmental Protection Agency (EPA), is similar in toxicity to lead and arsenic.*
13. *Health Canada has the authority to legislate water fluoridation to all Canadians.*
14. *The Province of Ontario has the authority to legislate water fluoridation for all Ontarians.*
15. *Toxicology reviews are recommended by Health Canada to ensure the safety of fluoridation products.*
16. *Toxicology studies are required on fluoridation products to obtain National Sanitation Foundation (NSF) Standard 60 certification.*
17. *Health Canada required toxicology reviews on hydroflourosilicic acid (HFSA) have not been done.*
18. *The U.S. Food and Drug Administration (FDA) has never approved fluoride supplements as safe and effective in preventing tooth decay.*
19. *Harmful chemicals that make up fluoridation products such as HFSA accumulate in our bodies.*
20. *No one has the authority to force medication on people without their consent.*

*And further, that given that 70 per cent of Canadian towns and cities have discontinued water Fluoridation in the past 70 years, and given that both Health Canada and the Province claim that water fluoridation is important for good health:*

1. *Why has the Province or Health Canada not legislated Water Fluoridation for all Canadians?*
2. *Why has the responsibility to approve water fluoridation been placwd on Municipal Councillors when 70 per cent of Canadians have rejected the practice?*
3. *Why do Malton's children have much higher cavity rates than the rest of the Region's children?*
4. *Why did the Provincial Government fail to approve MPP Delaney's Private Member's Bill to legislate water fluoridation in Ontario?*
5. *Who is responsible to conduct the Health Canada Toxicology reviews on HFSA to ensure it is safe for human consumption?*

- 15.1. **Dr. Helena Jaczek, Minister of Health and Long-Term Care**, Letter dated April 13, 2018, Regarding Additional Base Funding for the Provision of Public Health Programs and Services

Received 2018-452

## **AGENDA ITEMS SUBJECT TO DISCUSSION AND DEBATE**

### **7. DELEGATIONS**

- 7.1. **Ted Comiskey, Mayor, Town of Ingersoll**, Regarding the "Demand the Right" Campaign, Giving Municipalities the Right to Say Yes or No to Proposed Landfills Planned in their Boundaries

Received 2018-453

Related to 2018-466

Moved by Councillor Cook,  
Seconded by Councillor Thompson;

That in accordance with section 5.4.9 of Region of Peel Procedure By-law 9-2018, the time for the delegation by Ted Comiskey, Mayor, Town of Ingersoll, be extended.

Carried 2018-454

Ted Comiskey, Mayor, Town of Ingersoll, advised that while municipalities have authority to make decisions on developments in their communities, they do not have the right to approve or deny landfill projects, as part of the current Ministry of the Environment and Climate Change approval process. He invited the Council of the Regional Municipality of Peel to join the "Demand the Right" campaign by passing a resolution calling upon the Government of Ontario and all political parties, to formally grant municipalities the authority to approve landfill projects in or adjacent to their communities.

Mayor Comiskey advised that, to date, 50 municipalities have approved motions; 150 municipal leaders have signed a petition; and, 100,000 Ontarians have signed petitions supporting the "Demand the Right" campaign.

Moved by Councillor Ras,  
Seconded by Councillor Groves;

That section 5.4.4 of Procedure By-law 9-2018 be waived to permit the consideration of a motion related to a delegation.



<b>In Favour</b>	G. Carlson; D. Cook; B. Crombie; J. Downey; A. Groves; N. Iannicca; J. Innis; L. Jeffrey; J. Kovac; M. Mahoney; S. McFadden; M. Medeiros; G. Miles; E. Moore; M. Palleschi; C. Parrish; K. Ras; P. Saito; B. Shaughnessy; J. Sprovieri; R. Starr; A. Thompson	<b>Total</b> 22
<b>Opposed</b>	G. Gibson	1
<b>Abstain</b> <i>(counted as a no vote)</i>		
<b>Absent</b> <i>(from meeting and/or vote)</i>	C. Fonseca	1

Carried by a two-thirds majority 2018-455

Moved by Councillor Ras,  
Seconded by Councillor Palleschi;

Whereas municipal governments in Ontario do not have the right to approve landfill projects in their communities, but have authority for making decisions on all other types of development;

And whereas, this out-dated policy allows private landfill operators to consult with local residents and municipal Councils, but essentially ignore them;

And whereas, proposed Ontario legislation (Bill 139) will grant municipalities additional authority and autonomy to make decisions for their communities;

And whereas, municipalities already have exclusive rights for approving casinos and nuclear waste facilities within their communities;

And whereas, the province has recognized the value of municipal approval for the siting of power generation facilities;

And whereas, the recent report from Ontario's Environmental Commissioner has found that Ontario has a garbage problem, particularly from Industrial, Commercial and Institutional (ICI) waste generated within the City of Toronto, where diversion rates are as low as 15%;

And whereas, significant efforts are made to increase recycling and diversion rates, a new home for this Toronto garbage will need to be found, as landfill space is filling up quickly;

And whereas, municipalities across Ontario are quietly being identified and targeted as potential landfill sites for future Toronto garbage by private landfill operators;

And whereas, other communities should not be forced to take Toronto waste, as landfills can contaminate local watersheds, air quality, dramatically increase heavy truck traffic on community roads, and reduce the quality of life for local residents;

And whereas, municipalities should be considered experts in waste management, as they are responsible for this within their own communities, and often have decades' worth of in-house expertise in managing waste, recycling, and diversion programs;

And whereas, municipalities should have the exclusive right to approve or reject these projects, and assess whether the potential economic benefits are of sufficient value to offset any negative impacts and environmental concerns;

Therefore be it resolved, that the Region of Peel calls upon the Government of Ontario, and all political parties, to formally grant municipalities the authority to approve landfill projects in or adjacent to their communities, prior to June 2018;

And whereas, in the case of a two-tier municipality, the approval be required at both the upper-tier and affected lower-tier municipalities;

And whereas, the Region of Peel encourage all other municipalities in Ontario to consider this motion calling for immediate provincial action.

Councillor Innis indicated her support for the motion, noting that a large portion of the Town of Caledon is located within the Greenbelt and that landfill is a permitted use for Greenbelt lands.

Councillor Shaughnessy suggested that the Ontario Stone, Sand and Gravel Association (OSSGA) be requested to adopt a position regarding the "Demand the Right" campaign and she requested a friendly amendment to the motion to send a copy of the Region of Peel's resolution to the OSSGA.

Regional Chair Dale requested a friendly amendment to the motion to request that the Government of Ontario and all political parties formally grant municipalities the authority to approve landfill projects in or adjacent to their communities as soon as possible, instead of prior to June 2018.

Moved by Councillor Ras,  
Seconded by Councillor Palleschi;

Whereas municipal governments in Ontario do not have the right to approve landfill projects in their communities, but have authority for making decisions on all other types of development;

And whereas, this out-dated policy allows private landfill operators to consult with local residents and municipal Councils, but essentially ignore them;

And whereas, proposed Ontario legislation (Bill 139) will grant municipalities additional authority and autonomy to make decisions for their communities;

And whereas, municipalities already have exclusive rights for approving casinos and nuclear waste facilities within their communities;

And whereas, the province has recognized the value of municipal approval for the siting of power generation facilities;

And whereas, the recent report from Ontario's Environmental Commissioner has found that Ontario has a garbage problem, particularly from Industrial, Commercial and Institutional (ICI) waste generated within the City of Toronto, where diversion rates are as low as 15%;

And whereas, significant efforts are made to increase recycling and diversion rates, a new home for this Toronto garbage will need to be found, as landfill space is filling up quickly;

And whereas, municipalities across Ontario are quietly being identified and targeted as potential landfill sites for future Toronto garbage by private landfill operators;

And whereas, other communities should not be forced to take Toronto waste, as landfills can contaminate local watersheds, air quality, dramatically increase heavy truck traffic on community roads, and reduce the quality of life for local residents;

And whereas, municipalities should be considered experts in waste management, as they are responsible for this within their own communities, and often have decades' worth of in-house expertise in managing waste, recycling, and diversion programs;

And whereas, municipalities should have the exclusive right to approve or reject these projects, and assess whether the potential economic benefits are of sufficient value to offset any negative impacts and environmental concerns;

Therefore be it resolved, that the Region of Peel calls upon the Government of Ontario, and all political parties, to formally grant municipalities the authority to approve landfill projects in or adjacent to their communities, as soon as possible;

And whereas, in the case of a two-tier municipality, the approval be required at both the upper-tier and affected lower-tier municipalities;

And whereas, the Region of Peel encourage all other municipalities in Ontario to consider this motion calling for immediate provincial action;

And further, that a copy of this resolution be sent to the Ontario Stone, Sand and Gravel Association.

<b>In Favour</b>	G. Carlson; D. Cook; B. Crombie; J. Downey; G. Gibson; A. Groves; N. Iannicca; J. Innis; L. Jeffrey; J. Kovac; M. Mahoney; S. McFadden; M. Medeiros; G. Miles; E. Moore; M. Palleschi; C. Parrish; K. Ras; P. Saito; B. Shaughnessy; J. Sprovieri; R. Starr; A. Thompson	<b>Total</b> 23
<b>Opposed</b>		
<b>Abstain</b> <i>(counted as a no vote)</i>		
<b>Absent</b> <i>(from meeting and/or vote)</i>	C. Fonseca	1

Carried 2018-456

7.2. **Doug Kwan and Doris Cooper, Members, Peel Poverty Reduction Strategy Committee, Regarding the Peel Poverty Reduction Strategy Report**

Received 2018-457

Related to 2018-458

Doug Kwan and Doris Cooper, Members, Peel Poverty Reduction Strategy Committee, highlighted key milestones that have been achieved since the 2012 launch of the Peel Poverty Reduction Strategy, including the launch of a food map and affordable transit program; and, the completion of a Food Charter.

Doris Cooper stated that the vision of the Peel Poverty Reduction Strategy Committee is that Peel Region is a livable community for all individuals and families and its mission is to create a Peel community where everyone works together to build a poverty free future.

Doug Kwan noted that poverty is a complex issue and continues to impact many Peel residents and that in 2016, 175,980 people experienced poverty in Brampton, Caledon and Mississauga.

The delegates highlighted the following three priorities of the refreshed Strategy:

- Income security
- Economic opportunity
- Wellbeing and social inclusion

The refreshed Strategy will be presented to the local municipalities and will be formally launched at the September 2018 Tamarack Institute's Cities Reducing Poverty Eastern Summit, to be held in Peel Region. An implementation plan will also be completed and ongoing progress updates will be provided to Regional Council and the community.

Councillor Medeiros highlighted the community benefits program for the Metrolinx project and how key public investments can be leveraged to bring further benefits in the community.

Doug Kwan stated that the Committee is hoping that the Community Benefits Agreement with Metrolinx will enable infrastructure money to be used for the public good, such as the creation of apprenticeships and jobs which will leave a legacy for the local community. The Committee plans to use the Hurontario Street Light Rail Transit project to develop best practices for future infrastructure projects.

Councillor Jeffrey encouraged the Committee to educate Members of Provincial Parliament on the gaps in community services, after the provincial election.

Councillor Saito suggested that highlighting the gaps in community services be included as part of the new Councillor Orientation Session.

Councillor Thompson suggested that the Committee present to local service clubs such as the Rotary Club, Lions and Kinsmen Clubs.

Councillor Parrish highlighted the need to encourage developers to include affordable units in buildings. Councillor Parrish further suggested that the Centre of Excellence planned for the Pearson Airport grounds could provide training and apprenticeships programs.

**Item 8.1 was dealt with.**

**8.1. Peel Poverty Reduction Strategy 2018-2028**

Moved by Councillor Medeiros,  
Seconded by Councillor Crombie;

That the 10-year Peel Poverty Reduction Strategy 2018-2028, attached as Appendix III to the report from the Commissioner of Human Services, titled "Peel Poverty Reduction Strategy 2018-2028, be endorsed.

<b>In Favour</b>	G. Carlson; D. Cook; B. Crombie; J. Downey; G. Gibson; A. Groves; N. Iannicca; J. Innis; L. Jeffrey; J. Kovac; M. Mahoney; S. McFadden; M. Medeiros; G. Miles; E. Moore; M. Palleschi; C. Parrish; K. Ras; P. Saito; B. Shaughnessy; R. Starr	<b>Total</b> 21
<b>Opposed</b>		
<b>Abstain</b> <i>(counted as a no vote)</i>		
<b>Absent</b> <i>(from meeting and/or vote)</i>	C. Fonseca; J. Sprovieri; A. Thompson	3

Carried 2018-458

Related to 2018-457

**Items 7.4 and 7.5 were dealt with.**

Moved by Councillor Medeiros,  
Seconded by Councillor Miles;

That in accordance with section 5.4.9 of Region of Peel Procedure By-law 9-2018, the time for the delegations listed as items 7.3 to 7.5 inclusive on the May 10, 2018 Regional Council agenda, be extended.

Carried 2018-459

Cathy Granger, Director, Long Term Care, thanked Regional Council for helping to create the first Butterfly home in Ontario at Malton Village, called Redstone. She advised that since the Butterfly home opened, residents are experiencing fewer falls, there has been reduced use of antipsychotic drugs and fewer cases of worsening depression, as well as more social engagement. The transformation has helped staff create an inclusionary culture where staff are happy to come to work and a place that people living with dementia can call home.

7.4. **Rhonda McLoughlin, Family Member of Resident in Redstone (Butterfly) at Malton Village**, Regarding the Experience and Impact of the Butterfly Program

Received 2018-460

Related to 2018-462, 2018-461 and 2018-463

Rhonda McLoughlin, Family Member of a Resident at Redstone at Malton Village, stated that she is very thankful that her mother resided in a Region of Peel long term care home, particularly Malton Village and for the Region of Peel's support for the creation of a Butterfly home lead by Dr. David Sheard. She shared that her mother passed away just five days ago and that Ms. McLoughlin felt it was very important to attend the Regional Council meeting to convey how much she believes in the Butterfly model of care.

Ms. McLoughlin recalled that when her mother first came to Malton Village, it was very institutional looking and that her mother spent most of her time in her room, with the door closed. As the Butterfly program progressed, her mother started to spend more time out of her room and participating in more activities with staff and Ms. McLoughlin noticed staff's changing attitudes about how to deal with people with dementia and Alzheimer's disease. She also observed other residents of the home become more verbal and engaged.

Rhonda McLoughlin encouraged Regional Council to support the expansion of the Butterfly Care Model to all regionally-operated long term care homes.

7.5. **Malcolm Nicholson, Friend of Resident in Redstone (Butterfly) at Malton Village**, Regarding the Experience and Impact of the Butterfly Program

Received 2018-461

Related to 2018-462, 2018-460 and 2018-463

Malcolm Nicholson, Friend of a Resident at Redstone at Malton Village, advised that his friend, Dorothy, preferred to spend her time at Malton Village in her room with the door shut. Although her family was pleased with the arrangement at Malton Village, Dorothy was not happy and her dementia symptoms were increasing. When the opportunity became available, the family agreed to move Dorothy to the Autumn Leaf wing which was being renovated to incorporate the Butterfly model of care. Since the move, Dorothy is significantly less agitated and interacts with other residents. Malcolm Nicholson stated that the Butterfly program is important to the community because it enables residents to be independent, happy and to move freely through the home and live with dignity.

Mr. Nicholson thanked Regional Council for supporting the Butterfly program.

- 7.3. **Dr. David Sheard, Chief Executive Officer, Dementia Care Matters; and Cathy Granger, Director, Long Term Care**, Providing an Update on the Implementation of the Butterfly Model at Malton Village Long Term Care Facility

Received 2018-462

Related to 2018-460, 2018-461 and 2018-463

Dr. David Sheard, Chief Executive Officer, Dementia Care Matters, compared the results of the baseline observational audit by Dementia Care Matters conducted at Malton Village in November 2016 with the results of the final audit conducted in April 2018. Dr. Sheard advised that Malton Village's Butterfly home is a remarkable achievement and a testament to the leadership, staff and families who have changed their belief system about dementia care.

Dr. Sheard highlighted staff's affection, kindness and genuine regard for residents in all interactions and the passionate daily modelling by leadership. Areas of future development identified in the final audit include further training for staff in maximizing playful interactions.

Dementia Care Matters will be presenting the Butterfly Model of Care to senior provincial health care leaders to promote its importance to the future of long term care.

- 7.4. **Rhonda McLoughlin, Family Member of Resident in Redstone (Butterfly) at Malton Village**, Regarding the Experience and Impact of the Butterfly Program

This item was dealt with under Resolution 2018-460

- 7.5. **Malcolm Nicholson, Family Member of Resident in Redstone (Butterfly) at Malton Village**, Regarding the Experience and Impact of the Butterfly Program

This item was dealt with under Resolution 2018-461

**Item 14.2 was deal with.**

**14.2. Dementia Butterfly Care Model**

Moved by Councillor Crombie,  
Seconded by Councillor Groves;

That the Dementia Butterfly Care Model be implemented in dedicated units for people living in the advanced stages of dementia across all five Peel Long Term Care centres, in accordance with the three-year implementation plan for 2018 – 2021 as outlined in Appendix II to the report from the Commissioner of Health Services titled, “Dementia Butterfly Care Model”;

And further, that the Long Term Care Director be authorized to enter into a license agreement with Dementia Care Matters Limited, at an annual fee of \$7,000 per home;

And further, that staff report to Regional Council annually to provide updates on the progress of implementing the Dementia Butterfly Care Model within dedicated units across all five Peel Long Term Care Centres;

And further, that staff advocate for the implementation of the Butterfly Model of Care across the Province.

<b>In Favour</b>	G. Carlson; D. Cook; B. Crombie; J. Downey; G. Gibson; A. Groves; N. Iannicca; J. Innis; L. Jeffrey; J. Kovac; M. Mahoney; S. McFadden; M. Medeiros; G. Miles; E. Moore; M. Palleschi; C. Parrish; K. Ras; P. Saito; B. Shaughnessy; J. Sprovieri; R. Starr; A. Thompson	<b>Total</b> 23
<b>Opposed</b>		
<b>Abstain</b> <i>(counted as a no vote)</i>		
<b>Absent</b> <i>(from meeting and/or vote)</i>	C. Fonseca	1

Carried 2018-463

Related to 2018-462 to 2018-461 inclusive and 2018-397

Several Members of Regional Council thanked the delegates for sharing their personal experiences at Malton Village and commended staff for their commitment to the success of the program.

In response to questions from members, David Szwarc, Chief Administrative Officer (CAO), advised that Regional staff are working with staff at the Ministry of Health and Long Term Care



to demonstrate the positive results of the Butterfly Model and to encourage adjustments to regulations that would help to promote the Butterfly approach in private long term care settings.

The CAO also noted that the Malton Village transformation project was documented on video which will be used to help to champion the model through professional networks across Ontario.

In response to interest expressed by Regional Council, David Szwarc stated that implementing the Butterfly program in the Region of Peel's five Long Term-Care centres would cost approximately \$400,000 per home, totalling approximately \$2.5 million by the time the program is fully implemented. He noted that implementation is planned to commence with two to three units and will be expanded in the forthcoming years based on the different needs of the centres. David Szwarc indicated that costs associated with the program will be presented to Regional Council during annual budget deliberations.

Councillor Innis encouraged Region of Peel staff to communicate with Regional Councillors regarding items that could be used in the Butterfly homes, as well as, to provide Councillors with information that could be shared with community seniors groups about the Butterfly Model of Care.

Councillor Miles requested that staff report to Regional Council annually with updates on the implementation of the Butterfly model within the Region's long term care homes.

Members of Regional Council expressed their appreciation to Dr. Sheard for his dedication to improving the quality of life for people living with dementia.

Regional Chair Dale requested that staff advocate for the implementation of the Butterfly model of care across the province.

**8. ITEMS RELATED TO HUMAN SERVICES**

*Chaired by Councillor M. Medeiros*

**8.1. Peel Poverty Reduction Strategy 2018-2028**

This item was dealt with under Resolution 2018-458

**9. COMMUNICATIONS - Nil**

**10. ITEMS RELATED TO ENTERPRISE PROGRAMS AND SERVICES**

*Chaired by Vice-Chair Councillor G. Miles*

These items were dealt with under Consent Agenda

11. **COMMUNICATIONS**

11.2. **Trevor Wilcox, Secretary-Treasurer, Association of Municipalities of Ontario (AMO)**, Email dated April 23, 2018, Requesting Nominations to the 2018 – 2020 AMO Board of Directors

Received 2018-464

Related to 2018-465

Moved by Councillor Crombie,  
Seconded by Councillor Palleschi;

Whereas the Association of Municipalities of Ontario (AMO), in accordance with the governing By-law regarding the election of the AMO Board of Directors, requires that qualified nominees submit a Council resolution of support that specifies one of AMO's named caucuses, prior to close of nominations;

Therefore be it resolved, that Councillor Thompson be nominated as the Region of Peel representative of the Regional and Single Tier Caucus Directors for the term 2018-2020.

<b>In Favour</b>	G. Carlson; D. Cook; B. Crombie; J. Downey; G. Gibson; A. Groves; N. Iannicca; J. Innis; L. Jeffrey; J. Kovac; M. Mahoney; S. McFadden; M. Medeiros; G. Miles; E. Moore; M. Palleschi; C. Parrish; K. Ras; P. Saito; B. Shaughnessy; J. Sprovieri; R. Starr; A. Thompson	<b>Total</b> 23
<b>Opposed</b>		
<b>Abstain</b> <i>(counted as a no vote)</i>		
<b>Absent</b> <i>(from meeting and/or vote)</i>	C. Fonseca	1

Carried 2018-465

Related to 2018-464

12. **ITEMS RELATED TO PUBLIC WORKS**

*Chaired by Councillor R. Starr*

This item was dealt with under Consent Agenda

**13. COMMUNICATIONS**

- 13.1. **Ernie Hardeman, MPP, Oxford, Letter dated March 26, 2018**, Requesting Support of his Private Member's Bill 16, Respecting Municipal Authority Over Landfilling Sites Act, Municipalities Call on the Provincial Government for "Right to Approve" Landfill Developments

Received 2018-466

Related to 2018-453

**14. ITEMS RELATED TO HEALTH**  
*Chaired by Councillor E. Moore*

- 14.2. **Dementia Butterfly Care Model**

This item was dealt with under Resolution 2018-463

**15. COMMUNICATIONS**

This item was dealt with under Consent Agenda

**16. OTHER BUSINESS - Nil**

**17. NOTICE OF MOTION/MOTION**

- 17.1. **Notice of Motion from Councillor Groves**, Regarding Air Quality in Caledon

Whereas in 2006 the Ministry of Environment and Climate Change conducted ambient air quality sampling and testing in Bolton and Caledon Village;

And whereas, additional industry and vehicular traffic has resulted from the increased growth in the municipality;

And whereas, residents have expressed concern regarding changes to air quality in the Town of Caledon;

Therefore be it resolved, that the Ministry of the Environment and Climate Change be requested to deploy a Trace Atmospheric Gas Analyzer unit to:

1. Caledon Village to assess the air quality impacts of on-going aggregate operations in light of the growth described above; and
2. Bolton, to assess the ambient air quality implications of growth.

To be considered at the May 24, 2018 Regional Council Meeting

17.2. **Notice of Motion from Councillor Saito, Regarding Community Event Paid Duties**

That Resolution 2018-211 from the April 5, 2018 Regional Council meeting, regarding Community Event Paid Duties, be reconsidered.

To be considered at the May 24, 2018 Regional Council Meeting

18. **BY-LAWS**

**Three Readings**

By-law 29-2018: A by-law to adopt the optional tools for calculating the amount of taxes for municipal and school purposes payable in respect of property in the commercial classes, industrial classes and multi-residential property class for 2018.

By-law 30-2018: A by-law to govern the procurement and disposal of goods and services and to repeal By-law 113-2013.

Moved by Councillor Groves,  
Seconded by Councillor Iannicca;

That the by-laws listed on the Regional Council agenda, being By-laws 29-2018 and 30-2018, be given the required number of readings, taken as read, signed by the Regional Chair and the Regional Clerk, and the Corporate Seal be affixed thereto.

Carried 2018-467

Related to 2018-368 and 2018-369

19. **IN CAMERA MATTERS**

Council opted not to move into closed session to consider the following matters:

- Proposed Property Acquisition Burnhamthorpe Road Watermain Twinning from Regional Road 17 (Cawthra Road) to Grand Park Drive - City of Mississauga, Wards 3, 4 and 7 (A Proposed or Pending Acquisition or Disposition of Land by the Municipality or Local Board)

- Proposed Property Acquisition Burnhamthorpe Road Watermain Twinning from Regional Road 17 (Cawthra Road) to Grand Park Drive - City of Mississauga, Wards 3, 4 and 7 (A Proposed or Pending Acquisition or Disposition of Land by the Municipality or Local Board)

19.1. **Proposed Property Acquisition Burnhamthorpe Road Watermain Twinning from Regional Road 17 (Cawthra Road) to Grand Park Drive - City of Mississauga, Wards 3, 4 and 7 (A Proposed or Pending Acquisition or Disposition of Land by the Municipality or Local Board)**

Moved by Councillor Iannicca,  
Seconded by Councillor Kovac;

That The Regional Municipality of Peel, as Purchaser, enter into an Agreement of Purchase and Sale with Morguard Corporation and MCC Ontario Limited, as Vendors, in a form that is satisfactory to the Regional Solicitor, for the purchase of a permanent easement interest and a temporary easement interest in the lands described as follows;

- A permanent easement interest in the lands described as Part of Blocks 3 and 4 on Registered Plan 43M-1010, City of Mississauga, Regional Municipality of Peel, designated as Parts 2, 3, 4, 5 and 6 on Reference Plan 43R-38166.
- A temporary easement interest in the lands described as Part of Block 3 on Registered Plan 43M-1010, City of Mississauga, Regional Municipality of Peel, designated as Parts 7 and 8 on Reference Plan 43R-38166.

And further that the funds be financed from Capital Project 13-1125.

Carried 2018-468

19.2. **Proposed Property Acquisition Burnhamthorpe Road Watermain Twinning from Regional Road 17 (Cawthra Road) to Grand Park Drive - City of Mississauga, Wards 3, 4 and 7 (A Proposed or Pending Acquisition or Disposition of Land by the Municipality or Local Board)**

Moved by Councillor Iannicca,  
Seconded by Councillor Kovac;

That The Regional Municipality of Peel, as Purchaser, enter into an Agreement of Purchase and Sale with OMERS Realty Management Corporation and ARI SQ1 GP Inc., as Vendors, for the purchase of a permanent easement interest in the lands and a temporary easement interest in the lands, having a term of thirty (30) months ("Initial Term") with an option to extend the term of the temporary easement for a further term of twelve (12) months ("Term Extension"), described as follows:

- A permanent easement interest in the lands described as Part of Block 6 on Registered Plan 43M-1010, City of Mississauga, Regional Municipality of Peel, designated as Part 26 on Reference Plan 43R-13128.
- A temporary easement interest in the lands described as Part of Block 6 on Registered Plan 43M-1010, City of Mississauga, Regional Municipality of Peel, designated as Part 1 on Reference Plan 43R-38121;

And further that the Commissioner of Public Works be granted delegated authority to extend the term for the further Term Extension and to execute any ancillary documents, in a form that is satisfactory to the Regional Solicitor;

And further that the funds be financed from Capital Projects 13-1125 and 16-2243.

Carried 2018-469

**20. BY-LAW TO CONFIRM THE PROCEEDINGS OF COUNCIL**

Moved by Councillor Innis,  
Seconded by Councillor Gibson;

That By-law 31-2018 to confirm the proceedings of Regional Council at its meeting held on May 10, 2018, and to authorize the execution of documents in accordance with the Region of Peel by-laws relating thereto, be given the required number of readings, taken as read, signed by the Regional Chair and the Regional Clerk, and the corporate seal be affixed thereto.

Carried 2018-470

**21. ADJOURNMENT**

The meeting adjourned at 12:24 p.m.

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Regional Clerk

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Regional Chair

**Request for Delegation**

FOR OFFICE USE ONLY

MEETING DATE YYYY/MM/DD 2018/05/24	MEETING NAME REGIONAL COUNCIL
---------------------------------------	----------------------------------

Attention: Regional Clerk  
Regional Municipality of Peel  
10 Peel Centre Drive, Suite A  
Brampton, ON L6T 4B9  
Phone: 905-791-7800 ext. 4582  
E-mail: [council@peelregion.ca](mailto:council@peelregion.ca)

DATE SUBMITTED YYYY/MM/DD  
**APRIL 26, 2018**

NAME OF INDIVIDUAL(S)  
**MAUREEN JOHNSTON**

POSITION(S)/TITLE(S)  
**RETIRED PEEL REGION RESIDENT.**

NAME OF ORGANIZATION(S)  
\_\_\_\_\_

E-MAIL	TELEPHONE NUMBER	EXTENSION
[REDACTED]	[REDACTED]	[REDACTED]

REASON(S) FOR DELEGATION REQUEST (SUBJECT MATTER TO BE DISCUSSED)  
**HOLIDAY SHOPPING BY-LAW**  
**DATE REQUEST: ~~APRIL 26, 2018~~ May 24.**

A formal presentation will accompany my delegation  Yes  No

Presentation format:  PowerPoint File (.ppt)  Adobe File or equivalent (.pdf)  
 Picture File (.jpg)  Video File (.avi, .mpg)  Other \_\_\_\_\_

Additional printed information/materials will be distributed with my delegation:  Yes  No  Attached

**Note:**  
Delegates are requested to provide an electronic copy of all background material / presentations to the Clerk's Division at **least seven (7) business days prior** to the meeting date so that it can be included with the agenda package. **In accordance with Procedure By-law 9-2018 delegates appearing before Regional Council or Committee are requested to limit their remarks to 5 minutes and 10 minutes respectively (approximately 5/10 slides).**

Delegates should make every effort to ensure their presentation material is prepared in an accessible format.  
Once the above information is received in the Clerk's Division, you will be contacted by Legislative Services staff to confirm your placement on the appropriate agenda. Thank you.

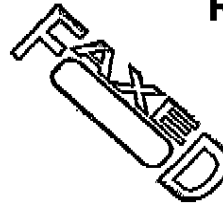
**Notice with Respect to the Collection of Personal Information**  
(Municipal Freedom of Information and Protection of Privacy Act)  
Personal information contained on this form is authorized under Section 5.4 of the Region of Peel Procedure By-law 9-2018, for the purpose of contacting individuals and/or organizations requesting an opportunity to appear as a delegation before Regional Council or a Committee of Council. The Delegation Request Form will be published in its entirety with the public agenda. The Procedure By-law is a requirement of Section 238(2) of the *Municipal Act, 2001*, as amended. Please note that all meetings are open to the public except where permitted to be closed to the public under legislated authority. All Regional Council meetings are audio broadcast via the internet and will be posted and available for viewing subsequent to those meetings. Questions about collection may be directed to the Manager of Legislative Services, 10 Peel Centre Drive, Suite A, 5th floor, Brampton, ON L6T 4B9, (905) 791-7800 ext. 4462.

**RECEIVED**  
APR 26 2018  
REGION OF PEEL  
LEGISLATIVE SERVICES

7.2-1



# Request for Delegation



Attention: Regional Clerk  
Regional Municipality of Peel  
10 Peel Centre Drive, Suite A  
Brampton, ON L6T 4B9  
Phone: 905-791-7800 ext. 4582  
E-mail: [council@peelregion.ca](mailto:council@peelregion.ca)

FOR OFFICE USE ONLY

MEETING DATE YYYY/MM/DD <b>2018/05/24</b>	MEETING NAME <b>REGIONAL COUNCIL</b>
--	---

DATE SUBMITTED YYYY/MM/DD  
**May 15, 2018**

NAME OF INDIVIDUAL(S)  
**Justin Toffen**

POSITION(S)/TITLE(S)  
**grocery store worker.**

NAME OF ORGANIZATION(S)  
**—**

E-MAIL	TELEPHONE NUMBER	EXTENSION
[REDACTED]	[REDACTED]	[REDACTED]

REASON(S) FOR DELEGATION REQUEST (SUBJECT MATTER TO BE DISCUSSED)  
**date request - May 24**

**retail workers need their statutory holidays**

A formal presentation will accompany my delegation  Yes  No

Presentation format:  PowerPoint File (.ppt)  Adobe File or equivalent (.pdf)  
 Picture File (.jpg)  Video File (.avi,.mpg)  Other

Additional printed information/materials will be distributed with my delegation :  Yes  No  Attached

**Note:**  
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**ITEMS RELATED TO  
HEALTH**

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intentionally left blank

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**For Information**


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DATE: May 15, 2018

REPORT TITLE: **2018 VECTOR-BORNE DISEASE UPDATE**

FROM: Nancy Polsinelli, Commissioner of Health Services  
Jessica Hopkins, MD MHScc CCFP FRCPC, Medical Officer of Health

---

**OBJECTIVE**

To provide an update on activities to reduce the burden of Vector-borne diseases of significance in Peel Region.

**REPORT HIGHLIGHTS**

- Vector-borne diseases (VBDs) are transmitted by insects or other arthropods. The Vector-borne Disease team monitors, controls, and where possible, prevents VBDs of local significance (e.g. West Nile virus and Lyme disease).
- In 2017, in Peel, there were 9 confirmed human cases of West Nile virus, and 114 positive mosquito batches reported.
- The 2018 Vector-Borne Disease Prevention Plan will guide continuing vector-borne disease prevention and control activities.
- Black-legged ticks transmit Lyme disease. An established black-legged tick population has not been found in Peel to date, although sporadic Lyme disease positive black-legged ticks are being found throughout Peel, and south-eastern Mississauga falls within the 20 km radius for a known established tick population. The risk of acquiring Lyme disease in Peel remains low.

**DISCUSSION**
**1. Background**

Vector-borne diseases are transmitted to humans by an insect or other arthropod. Vector-borne diseases are transmitted to humans by various species of infected mosquitoes, and Lyme disease, which is transmitted to humans through the bite of an infected black-legged tick.

Currently, West Nile virus and Lyme disease are the only two vector-borne diseases of endemic significance in Ontario, and both are reportable to Public Health. The focus of this report will be on these diseases. Public Health also continues to monitor and conduct prevention activities related to emerging (e.g., Eastern Equine Encephalitis, chikungunya, Zika virus) and travel-related (e.g., malaria, dengue hemorrhagic fever, yellow fever) vector-borne diseases.

**2018 VECTOR-BORNE DISEASE UPDATE**

Surveillance information from past seasons in Peel, and the most current published literature, has been used to prepare the 2018 Vector-Borne Disease Prevention Plan. The plan identifies the activities Public Health intends to carry out in order to meet the mandated requirement to conduct a risk assessment of the conditions pertaining to West Nile virus in the health unit.

**2. West Nile Virus**

West Nile virus is transmitted to humans by the bite of an infected mosquito. Symptoms can range from mild to severe. Most people (70-80 per cent) who are infected with West Nile virus will show no symptoms.

Approximately 20 per cent of those infected will have mild symptoms that can include fever, headache, body aches, a mild rash and swollen lymph glands. These symptoms will usually appear within 3 to 15 days after infection.

Less than 1 per cent of those infected will develop severe symptoms. In many of these cases, the infection affects the central nervous system and can include tremors, seizures, coma and paralysis. Anyone infected can be at risk of developing more severe symptoms, but adults 50 years or older and those with underlying conditions or a weaker immune system are at greater risk.

**a) 2001-2017 Peel West Nile Virus Surveillance**

Surveillance data indicate that West Nile virus activity is expected to occur annually in Peel, but the extent of this activity fluctuates depending on precipitation, temperature, the amount of standing water and the abundance of vector mosquito populations. Increased temperatures accelerate the mosquito life cycle and increases the rate at which the virus multiplies in infected mosquitoes.

In 2017, in Peel, there were nine confirmed human cases of West Nile virus, and 114 positive mosquito batches reported. There were six confirmed human cases in 2016 versus two human cases of West Nile virus in 2015. See Appendix I for the number of human cases in Peel Region, 2001-2017.

**b) 2018 Peel West Nile Virus Surveillance and Control**

A key goal of the Vector-Borne Disease Prevention Plan for 2018 is to minimize the impact of West Nile virus on human health through region-wide surveillance and Integrated Mosquito Management, which includes larviciding, source reduction and public education.

A contractor will apply three rounds of larvicide to approximately 100,000 roadside catch basins in Peel starting in June. Peel Public Health will also continue the region-wide effort to reduce mosquito breeding in stagnant surface water sites by reducing standing water and larviciding in the urban and suburban areas of Peel.

Adult mosquitoes will be collected weekly from mosquito traps at 33 fixed locations throughout Peel from mid-June to late September. In 2017, two new mosquito trapping locations were added in Wards 6 and 9 in Brampton to account for significant growth.

## 2018 VECTOR-BORNE DISEASE UPDATE

Mosquito batches are tested for West Nile virus and Eastern Equine Encephalitis, as appropriate.

Field staff will survey a range of aquatic habitats throughout Peel for the presence of mosquitoes in the larval stage from early June to late September and larviciding will occur if needed. Peel Public Health has developed a process to identify which stormwater management ponds in Peel are conducive to mosquito development to help manage the growing number of stormwater management ponds.

Peel Public Health will continue to provide West Nile virus information through the media, the website and community outreach activities. Residents and organizations are encouraged to sign up at [peelregion.ca/scripts/mailto.pl?mailto=wnv](mailto:peelregion.ca/scripts/mailto.pl?mailto=wnv) to receive email notification of positive West Nile virus activity in Peel. Electronic notification emails will continue to be sent to key stakeholders, including Councillors, when a mosquito batch in their area is reported positive for West Nile virus. Finally, as in past years, local health care providers will be provided with information on the signs and symptoms, diagnosis, management and reporting requirements of West Nile virus.

### 3. Lyme Disease

Lyme disease is an illness caused by the bacterium, *Borrelia burgdorferi*, which is transmitted to ticks when they feed on infected animals. Humans are infected if they are exposed to ticks for a prolonged period of time (attached for at least 24 hours). The first symptom is usually a circular rash that resembles a bulls-eye called erythema migrans. It appears at the site of the tick bite three days to one month after a person is bitten. This rash appears in 70-80 per cent of people infected with Lyme disease. Other symptoms of early Lyme disease include fatigue, chills, fever, headaches, muscle and joint pain and swollen lymph nodes. If left untreated, it can cause nervous system disorders, multiple skin rashes, arthritis symptoms, heart arrhythmias, severe fatigue and general weakness.

#### a) 2001-2017 Peel Lyme Disease Surveillance

In Ontario, Lyme disease is spread by the black-legged tick (*Ixodes scapularis*), which is also known as the deer tick. The risk for infection is highest in areas where this tick species has established populations, including parts of southern and eastern Ontario. A map of the estimated risk areas in Ontario can be found in Appendix II. An established black-legged tick population has not been found in Peel to date, although sporadic Lyme disease positive black-legged ticks are being found throughout Peel, and south-eastern Mississauga falls within the 20 km radius for a known established tick population. Sporadic findings of black-legged ticks are not uncommon because they can be carried to different locations by migrating birds. Public Health Ontario has established protocols for identifying established populations which include finding black-legged ticks in the same location after doing tick dragging in both the spring and fall.

Ticks can be spread by birds, in particular, songbirds that feed off the ground. Since these birds are migratory, there is the potential for new populations of black-legged ticks to spread across the province. Therefore, while the risk is very low, one may encounter infected ticks outside of identified high-risk areas.

**2018 VECTOR-BORNE DISEASE UPDATE**

Peel Public Health investigates reported cases of Lyme disease among Peel residents. The number of cases fluctuates from year to year (Appendix III, Lyme disease cases in the Region of Peel, 2001-2016). In 2017, there were eight confirmed and one probable Lyme disease cases in Peel residents investigated. Of these cases, the one probable case was likely acquired in Peel. Four of the confirmed cases were acquired during travel in Ontario (outside of Peel), and four were acquired during travel outside of Canada. With the exception of two locally acquired cases in 2012, and a possible locally acquired case in 2014, all the Peel human cases have been determined to be travel-related.

In 2017, a total of 154 ticks of various species were submitted to the Region of Peel-Public Health, of which 85 were acquired in Peel. Ticks were submitted to Public Health Ontario for species identification and the National Public Health Laboratory in Winnipeg for *Borrelia burgdorferi* testing. It typically takes between 4-6 weeks to receive results. Laboratory results are used for surveillance purposes not management of human cases. Twenty-three of these ticks were blacklegged ticks. All of the 23 ticks were tested for *B. burgdorferi*. Two tested positive, one from Caledon and one from Mississauga, 18 were negative, and 3 are still pending test results.

**b) 2018 Peel Lyme Disease Activities**

In 2018, Peel Public Health will continue to identify ticks found on people submitted by the public. If the tick is a black-legged tick, it will be sent for testing to determine if it is infected with *B. burgdorferi*. If there is evidence of a confirmed case of Lyme disease that has been acquired locally, then active surveillance will be undertaken. Active surveillance involves dragging a white flannel cloth through grassy areas, the preferred habitat for ticks. The ticks attach themselves to the cloth and can be easily spotted and identified.

It is not possible to control tick populations with pesticides.

In 2018, as in past years, local health care providers will be provided with information on the signs and symptoms, diagnosis, management and reporting requirements of Lyme disease. Educational materials are made available to the public through the website or upon request.

**FINANCIAL IMPLICATIONS**

All activities related to this report are within the approved 2018 budget.

2018 VECTOR-BORNE DISEASE UPDATE

**CONCLUSION**

Peel Public Health undertakes a number of activities aimed at mitigating the impact of vector-borne diseases on the health of Peel residents. Key amongst these activities are surveillance, public education, communications with health professionals and other stakeholders and, where applicable, preventive strategies, such as larviciding.



Nancy Polsinelli, Commissioner of Health Services



Jessica Hopkins, MD MSc CCFP FRCPC, Medical Officer of Health

**Approved for Submission:**



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D. Szwarc, Chief Administrative Officer

**APPENDICES**

Appendix I - West Nile Virus Cases in the Region of Peel, 2001-2017

Appendix II - Ontario Lyme Disease Map 2017

Appendix III - Confirmed Lyme Disease Cases in the Region of Peel, 2001 – 2017

*For further information regarding this report, please contact Paul Callanan, Director Health Protection, extension 2802, paul.callanan@peelregion.ca.*

*Authored By: Louise Aubin, Manager, Health Protection*

Reviewed in the workflow by:  
Financial Support Unit

**8.1-6**

**APPENDIX I  
2018 VECTOR-BORNE DISEASE UPDATE**

**West Nile Virus Cases in the Region of Peel, 2001-2017**

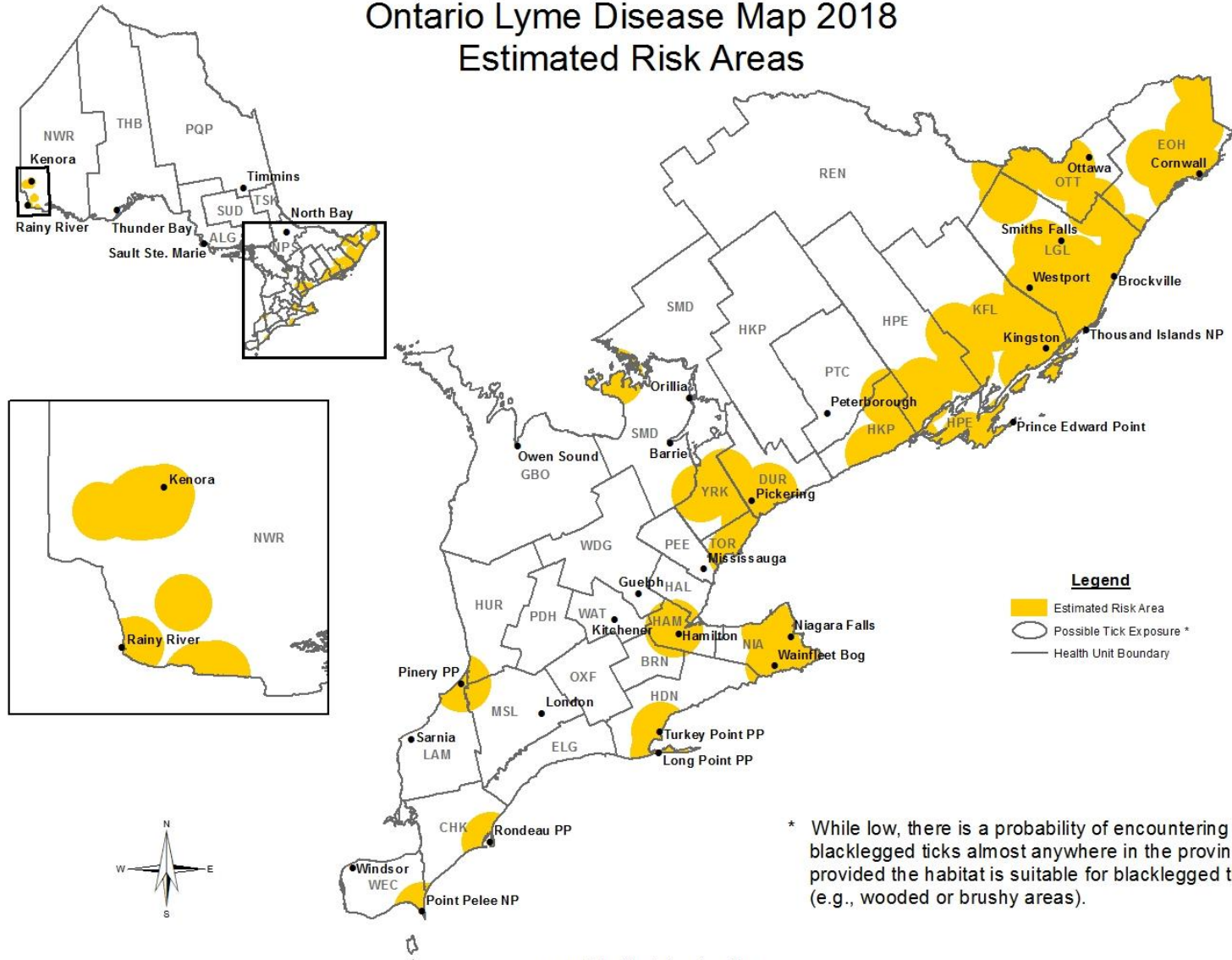
C-Confirmed, P-Probable, S-Suspected

Year	Total		Miss		Bram		Cal	
	Human Cases	Positive Mosquito Batches	Human Cases	Positive Mosquito Batches	Human Cases	Positive Mosquito Batches	Human Cases	Positive Mosquito Batches
2001	0	4	0	4	0	0	0	0
2002	112	128	C-34; P-18; S-46	106	C-3; P-2; S-8	22	C-0; P-0; S-1	0
2003	10	24	C-10	16	0	8	0	0
2004	0	4	0	2	0	2	0	0
2005	3	24	C-2	16	C-1	8	0	2
2006	2	14	0	10	C-2	4	0	0
2007	1	3	C-1	1	0	2	0	0
2008	0	21	0	11	0	10	0	0
2009	0	4	0	4	0	0	0	0
2010	0	14	0	8	0	6	0	0
2011	4	61	C-3, P-1	44	0	16	0	1
2012	24	65	C-9, P-2	29	C-5, P-7	34	P-1	2
2013	5	51	C-2, P-1	21	C-2	27	0	3
2014	0	22	0	6	0	16	0	0
2015	2	22	1	7	1	15	0	0
2016	6	63	6	23	0	40	0	0
2017	9	114	5	46	4	64	0	4

† In 2002, there were a total of 112 cases with laboratory and/or clinical evidence of WNV infection; 57 cases were classified as probable or confirmed. In subsequent years, only confirmed cases were reported as a result of changes in disease classifications. If the present day classifications were applied, there would have been 18 confirmed human cases in 2002.



### Ontario Lyme Disease Map 2018 Estimated Risk Areas



\* While low, there is a probability of encountering blacklegged ticks almost anywhere in the province, provided the habitat is suitable for blacklegged ticks (e.g., wooded or brushy areas).

**8.1-8****APPENDIX III  
2018 VECTOR-BORNE DISEASE UPDATE****Lyme Disease Cases in the Region of Peel, 2001 – 2017**

<b>Year</b>	<b>Confirmed Cases</b>
2001	1
2002	2
2003	2
2004	3
2005	3
2006	8
2007	5
2008	11
2009	1
2010	2
2011	3
2012	7
2013	5*
2014	4*
2015	2
2016	4
2017	8

\*One additional case in 2013 and 2014 were added to previous counts. These cases were investigated in 2016 but exposure and onset of symptoms occurred in 2013 and 2014 respectively.

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**For Information**


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DATE: May 15, 2018

REPORT TITLE: **OPIOID STRATEGY FOR PEEL UPDATE**

FROM: Nancy Polsinelli, Commissioner of Health Services  
 Jessica Hopkins, MD MHSc CCFP FRCPC  
 Medical Officer of Health

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**OBJECTIVE**

To provide an update on the opioid strategy and the expansion of harm reduction services in Peel.

**REPORT HIGHLIGHTS**

- Opioid-related deaths continue to rise. All levels of government continue to put forward initiatives and investments in an effort to help address the on-going crisis.
- Peel's opioid response is framed by a four pillar strategic framework of 1) prevention, 2) harm reduction, 3) treatment and 4) enforcement. This strategic approach focuses on coordination and collaboration with cross-sector organizations and stakeholders. Peel Public Health is leading this coordination and collaboration.
- Over the last six months, cross-sector partners and stakeholders have committed at the strategic and operational levels to advancing work in all pillars of the strategy.
- Given Peel Public Health's mandate, Public Health is leading the prevention and harm reduction pillars focused on upstream, primary prevention and expansion of harm reduction services.
- For the treatment and enforcement pillars, Peel Public Health is engaging with stakeholders who are responsible for related treatment and enforcement initiatives.
- Opioid strategy recommendations will be brought back to Regional Council in spring 2019.

**DISCUSSION**
**1. Background**

On October 12, 2017 Regional Council approved two reports from the Commissioner of Health Services and the Medical Officer of Health that outlined the approach to Peel's response to the ongoing opioid crisis and the expansion of harm reduction services.

Peel's response is framed by a four pillar strategic framework of 1) prevention, 2) harm reduction, 3) treatment and 4) enforcement. A four pillar framework supports cross-sectoral coordination of priorities, policies and interventions to prevent and reduce harms related to opioid use.

## OPIOID STRATEGY FOR PEEL UPDATE

Given Peel Public Health's mandate under the *Health Protection and Prevention Act* and the requirements of the Ontario Public Health Standards, Public Health is leading the harm reduction and prevention pillars. For the treatment and enforcement pillars, Public Health is engaging stakeholders who are responsible for related treatment and enforcement initiatives. As well, given Public Health's mandate and expertise in population health data assessment and emergency management, Public Health is providing data supports across the four pillars and leading the coordination of an urgent response plan.

Opioid-related deaths continue to rise. Peel's opioid-related mortality rate more than doubled between 2013 and 2015 from 21 deaths in 2013 to 53 in 2015<sup>1</sup>. In 2016 there were 46 deaths<sup>2</sup> and available data for 2017 indicates that the increasing trend in the mortality rate is continuing with 65 deaths<sup>3</sup> between January and October 2017. Peel's opioid-related mortality rates continue to be below provincial rates, but the increasing trend reaffirms the need for a regional opioid response.

Since the last report to Council, there have been a number of initiatives at the federal, provincial and local levels in an effort to help address increasing opioid overdose deaths. This report includes an update on the various initiatives and how they fit within the opioid strategy for Peel.

### 2. Findings

The focus of an opioid strategy for Peel is the coordination of and collaboration with cross-sector organizations and stakeholders whose mandates include prevention, harm reduction, treatment and enforcement related to opioid/substance-use. In January 2018, Public Health convened a cross-sectoral leadership meeting in order to:

1. Validate shared objectives to prevent and reduce opioid-related deaths and harms related to opioid use;
2. Endorse a four pillar approach and a governance structure to support an opioid strategy for Peel;
3. Discuss respective roles and responsibilities to advance the objectives of an opioid strategy for Peel; and
4. Confirm organizational commitment to cross-sector collaboration across pillars that enhances coordination, avoids duplication, and focuses on identifying and addressing service and program gaps.

Appendix I includes a list of currently engaged organizations and those who will be engaged as an opioid strategy for Peel advances.

#### a) Opioid-Related Data

Foundational to the opioid response at all levels of government are ongoing enhancements in the quality and accessibility of data to support a timely response and effective interventions. Since October 2017, the Ministry of Health and Long-Term Care

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<sup>1</sup> Peel Public Health. Opioids in Peel: A Profile of Opioid Use and Related Harms, 2017.

<sup>2</sup> Ibid.

<sup>3</sup> Ontario Agency for Health Protection and Promotion (Public Health Ontario). Interactive Opioid Tool. Toronto, ON: Queen's Printer for Ontario; 2017. Available from: <https://www.publichealthontario.ca/en/dataandanalytics/pages/opioid.aspx>.

**OPIOID STRATEGY FOR PEEL UPDATE**

(MOHLTC) has facilitated more timely information sharing related to operations, logistics and emerging issues between health system partners (MOHLTC, Public Health Units, Local Health Integration Networks, Paramedic Services, and Health System Associations).

Publicly available data includes information from Public Health Ontario and Peel Public Health. Public Health Ontario has an online interactive Opioid Tool, which includes data on overdose deaths up to October, 2017. Peel Public Health tracks opioid-related injuries (emergency department visits, hospitalizations), deaths, and naloxone distribution in Peel and receives overdose, and suspected overdose data through Peel Paramedics. As part of a formal surveillance system, these data are monitored on a daily, weekly and monthly basis (dependent on availability of the data source) and summary reports are available on the Region of Peel website.

**b) Urgent Response**

Peel's Opioid Overdose Surveillance and Urgent Response Stakeholder Group, which was convened in early 2017 to facilitate a local surveillance system and urgent response plan and to provide ongoing local situational awareness, continues to monitor and share information. This table facilitated the drafting of Peel's Opioid Overdose Urgent Response Plan that outlines response activities related to surges in opioid overdoses. The group will be completing an urgent response exercise in June 2018 simulating a realistic surge in community overdoses and testing the drafted Urgent Response Plan. The focus of the Urgent Response Plan is timely and effective communication between stakeholders when responding to opioid use issues and surges in overdoses in the region.

**c) Prevention Pillar**

The focus of the prevention pillar is on health promotion and upstream behaviour change interventions to reduce the risks of drug misuse and addiction, including considerations of the social determinants that impact these risks (e.g., building resiliency and positive coping skills among children and youth). Related to opioid use, prevention refers to preventing the onset of opioid use, misuse and addiction, including both prescribed and illicit opioids. Given the urgency of the current opioid crisis, prevention initiatives have mostly focused on prevention of opioid overdoses and deaths. Although these types of initiatives are vital, more upstream, primary prevention interventions strategies are needed. Peel Public Health is looking at root causes associated with substance misuse to inform a more upstream prevention approach.

Over the past six months, Peel Public Health has undertaken foundational activities to inform an upstream prevention approach:

- An evidence review to identify a conceptual framework of risk factors (e.g., peer substance use, academic failure, low socioeconomic status) and protective factors (e.g., resiliency, self-efficacy, recognition for positive behaviour) for substance misuse (including opioid misuse). Once identified, these factors will be prioritized for action using local context and data, and specific prevention activities that address these factors will be explored.

## OPIOID STRATEGY FOR PEEL UPDATE

- An environmental scan of local and international jurisdictions to understand the scope of prevention initiatives in jurisdictions similar to Peel. Preliminary findings include the following:
  - Raising awareness of the risks associated with opioid use and misuse, as well as overdose prevention through informational websites, social media, and public awareness campaigns;
  - School-based education from elementary to post-secondary levels;
  - Community engagement events such as information sessions, and community forums and consultations; and
  - Community partnership committees such as drug strategy steering committees, and task force groups.
- Identifying relevant prevention stakeholders for collaboration, both internally and externally.

The next phase of work will include identifying and engaging appropriate community stakeholders to present findings of the evidence and scan, understanding what is being done at the community level related to opioid-use prevention, and developing a plan for collaboration on opioid prevention initiatives. Part of this approach may include building on existing substance use prevention initiatives such as working in partnership with the local school boards to provide health education curriculum support.

### d) Harm Reduction Pillar

The focus of the harm reduction pillar is reducing the harms associated with drug/opioid use. A key element of the provincial Strategy to Prevent Opioid Addiction and Overdose has been on harm reduction program enhancement which included \$250,000 annually in additional base funding for staff positions in Peel Public Health. (Refer to the October 12, 2017 report from the Commissioner of Health Services and Medical Officer of Health titled “Peel Public Health Harm Reduction Expansion”.)

#### I. Expanding Harm Reduction Services in Peel Region

Since receiving the MOHLTC funding and Council’s/Board of Health’s approval in October 2017, Peel Public Health has hired the five approved full-time equivalent staff to expand the operation of the Peel Works Needle Exchange Program mobile van.

Hours of the community outreach van were altered from 2:00 p.m. - 10:00 p.m. to 3:30 p.m. - 11:30 p.m. Monday to Friday to offer preferred later evening access for clients. Additional Saturday hours were also added from 3:30 p.m. - 11:30 p.m. Since late December, a second van has been mobilized to offer greater reach across the Region.

Overall client interactions through the Peel Works Needle Exchange Program (PWEP) have increased from 2,610 in 2012 to 5,593 in 2017. More specifically, client interactions with the PWEP mobile van have increased by 28 per cent for the first four months of 2018, compared to the same time period in 2017.

Peel Public Health began distributing naloxone on March 1, 2017 through its mobile van. In 2017, it distributed 417 naloxone kits, including over 269 refills. Sixty-nine per cent of clients requesting a refill kit reported using their previous kit on someone experiencing

## OPIOID STRATEGY FOR PEEL UPDATE

an overdose. Over 170 naloxone kits have been distributed from January through April 2018. Current trends project that the PWEF will distribute upwards of 700 naloxone kits in 2018.

In addition to increasing harm reduction and naloxone distribution services through the mobile van, the harm reduction team has expanded naloxone training for the purpose of community distribution through several community agencies. Several organizations seeing at-risk clients have also been trained to administer naloxone on site in the event of a client or staff overdose event (Refer to Appendix II for a list of partner agencies).

### II. Overdose Prevention Site in Brampton

In January 2018, the MOHLTC established an Overdose Prevention Site program as a public health emergency measure to help reduce escalating opioid overdoses. The Peel HIV/AIDS Network received MOHLTC approval to operate a temporary Overdose Prevention Site in Ward one in Brampton, but was unable to secure a suitable location at this time.

An overdose prevention site is a place where people can use pre-obtained drugs in a safe and clean facility, and where staff can monitor and respond to overdoses. These sites can prevent death from overdose and can serve as a link to mental health and addiction services. As part of the provincial Overdose Prevention Site program, public health is mandated to provide overdose prevention sites with harm reduction and disposal supplies, including naloxone, and guidance on infection prevention and control. The provincial Overdose Prevention Site program is an emergency measure and differs from the provision of permanent supervised consumption services in that Overdose Prevention Sites are approved for temporary operations (3-6 months). Key characteristics of a Supervised Consumption Site and an Overdose Prevention Site are summarized below.

Characteristic	Supervised Consumption Site	Overdose Prevention Site
<b>Legal Requirements</b>	Exemption under section 56 of the <i>Controlled Drugs and Substances Act</i>	Exemption under section 56 of the <i>Controlled Drugs and Substances Act</i>  In December 2017, the Federal government issued a class exemption of temporary overdose prevention sites in Ontario.
<b>Operation</b>	Exemptions are valid for one year commencing operations.  Renewal exemptions are issued on a case-by-case basis.	Temporary (3-6 months)  Possibility for extension if community need and support are indicated.
<b>Approval Process</b>	Application is assessed by Health Canada and must include: <ul style="list-style-type: none"> <li>• local conditions indicating a</li> </ul>	Application is assessed by Ontario Ministry of Health and Long-Term Care and must

## OPIOID STRATEGY FOR PEEL UPDATE

Characteristic	Supervised Consumption Site	Overdose Prevention Site
	need for the site; <ul style="list-style-type: none"> <li>• impact on crime rates;</li> <li>• administrative structure in place to support the site;</li> <li>• resources available to support maintenance of the site; and</li> <li>• verbal communications of community support or opposition</li> </ul>	include: <ul style="list-style-type: none"> <li>• evidence of need</li> <li>• model of service (e.g., services, hours, staffing)</li> <li>• site requirements (e.g., accessibility, safety)</li> </ul>
<b>Services</b>	Harm reduction services including: <ul style="list-style-type: none"> <li>• safe drug use supplies</li> <li>• drug testing</li> <li>• overdose prevention</li> </ul> Other services can include: <ul style="list-style-type: none"> <li>• health care</li> <li>• counselling</li> <li>• referrals to addiction services</li> </ul>	Mandatory services include: <ul style="list-style-type: none"> <li>• supervised injection</li> <li>• naloxone</li> <li>• provision and disposal of harm reduction supplies</li> </ul> Other services provided based on capacity.

Refer to companion report from the Commissioner of Health Services and the Medical Officer of Health being presented to Council titled “Review of Evidence on Supervised Consumption Sites” for further information on the health and community outcomes associated with supervised consumption services.

### III. Supervised Consumption Services Feasibility Study

Peel Public Health is undertaking a needs assessment and feasibility study regarding supervised consumption services in Peel in collaboration with the Peel HIV/AIDS Network and the Canadian Mental Health Association Peel Dufferin. The objectives of the study are to better understand the needs and preferences of Peel residents related to supervised consumption services, potential assets and barriers to implementation, and to help determine the most appropriate harm reduction services in Peel.

Similar feasibility studies have been completed across the province (most recently in Thunder Bay, London, and Hamilton). Consistent with those studies, the proposed study in Peel includes both surveys and interviews: (1) survey of people who use drugs, (2) key informant interviews, (3) community online survey. The anticipated start date for the study is June 2018 with the aim of having a summary of study findings by the end of 2018.

#### e) Treatment Pillar

The focus of the treatment pillar is to ensure access to effective addictions and mental health treatment services. Both the federal and provincial governments have invested in initiatives that support the objectives of this pillar:



**OPIOID STRATEGY FOR PEEL UPDATE**

- On March 26, 2018 the federal government put forward regulatory amendments to allow health care practitioners to prescribe and administer methadone as a treatment for opioid addiction without needing to apply for an exemption from federal law.
- The government of Ontario is working with Health Quality Ontario and other partner organizations, such as the College of Physicians and Surgeons of Ontario, to provide customized prescribing data, mentoring, education and other supports for physicians to learn safe opioid prescribing, effective approaches to managing acute and chronic pain, and best practices for supporting people with opioid use disorder.
- Health Quality Ontario released the Opioid Use Disorder quality standard early in 2018 to guide the care for people aged 16 years and older.
- In September 2017 the MOHLTC provided the Local Health Integration Networks (LHINs) with base funding to increase capacity and services for people with addictions. The funding is intended for areas of high need within the addictions system and initiatives that provide an immediate response to the opioid crisis through community-based treatment for opioid use disorder. Priority areas include – 1) Rapid Access Addiction Medicine clinics that provide short-term addictions treatment and counselling, until individuals can be connected to longer-term support and and 2) community-based residential withdrawal management services. In Peel, the Central West and Mississauga Halton LHINs received \$1 million each.

The Central West LHIN invested this funding in expansion of Rapid Access Clinics inclusive of two components: Rapid Access Addictions Medicine and Substance Use Intervention and Treatment clinics. Led by the Canadian Mental Health Association Peel Dufferin Branch, Nurse Practitioner-led clinics are now operational, rotating daily across the five Central West LHIN sub-regions on a weekly basis. The clinics are open for walk-in appointments each morning from 10 a.m. to noon. Service is available by appointment in the afternoon from 1 to 3 p.m. The clinics are integrated with primary care to enable long-term support. Part of the funding was also invested in increasing capacity for substitution therapy for opioid addiction at the Hope Acres Rehabilitation Centre. As part of its Opioid Services Strategy, the Central West LHIN is working to identify and prioritize areas of service expansion through the analysis of addictions treatment pathways and services used by residents, consultation with addictions providers and a literature review. The Central West LHIN is also working with primary care providers on the adoption of the recently released Health Quality Ontario quality standards related to opioid prescribing for acute pain, chronic pain and opioid use disorder.

The Mississauga Halton LHIN used the funding to expand capacity of existing addiction services that support psychosocial treatment, withdrawal management, and harm reduction before and after care to prevent overdose deaths and promote prevention of relapse. The Mississauga Halton LHIN continues to work with their mental health and addictions service providers to enhance services such as the Community Addiction Liaison to the Emergency Department program to enhance transitions to the appropriate community support services for individuals and families identified with substance abuse conditions or concurrent disorders in the emergency department, increasing peer

## OPIOID STRATEGY FOR PEEL UPDATE

support capacity, and supporting people in overcoming barriers to accessing mental health and addiction supports in the community through the one-Link service.

The LHINs, in their role as health system funders and planners, are the lead organizations for interventions and strategies under the treatment pillar. Increased and more immediate access to mental health and addictions services in Peel are a key priority, as wait times for various services such as case management for substance abuse and residential treatment for addictions continue to be longer in Peel compared to other jurisdictions in the province. Peel Public Health will continue to engage with the Central West and Mississauga Halton LHINs, hospitals and care providers to help identify local treatment needs and strategies to help address those needs.

### f) Enforcement Pillar

The enforcement pillar is focused on strategies that support individuals who interact with the justice system and strategies that address the burden of illicit opioids. The pillar also facilitates stronger relationships between enforcement partners and local treatment and harm reduction service providers. The Peel Regional Police are leading the enforcement pillar work and hosted an introductory meeting in April 2018 with key partners including Caledon OPP, Federal and Provincial Crown Prosecutors and Peel Public Health. Discussions at the meeting identified opportunities for collaboration related to:

- Information sharing between the justice system and the community sector to improve programs and services.
- Utilizing a multi-sector approach to support the identification, targeting and enforcement of illegal opioid suppliers.
- Capacity of community partners that provide mental health and addictions supports and services.
- Peel's Drug Treatment Court program which provides court-monitored treatment and community service support for non-violent offenders with drug addictions.

Peel Public Health is working closely with Peel Regional Police to support the work of this pillar.

## FINANCIAL IMPLICATIONS

During 2017, \$691,000 was spent as part of the opioid strategy including the harm reduction program. It is anticipated that the costs for 2018 will be approximately \$974,000. These costs are for salaries and supplies for the needle exchange program. Funding for the public health-led initiatives is part of the approved 2018 Peel Public Health budget and initiatives are currently within budget.

## CONCLUSION

Over the next year, Peel Public Health will continue to collect and monitor relevant data, study and analyze available evidence on community needs and effective interventions, and engage with partners and stakeholders to implement program changes and identify long-term strategies to reduce and prevent opioid-related harms. Opioid strategy recommendations will be brought back to Regional Council in spring 2019, with interim updates as needed. The work over the next year will also help inform key considerations for a broader drug/substance strategy for the Region.

OPIOID STRATEGY FOR PEEL UPDATE



Nancy Polsinelli, Commissioner of Health Services



Jessica Hopkins, MD MHSc CCFP FRCPC  
Medical Officer of Health

**Approved for Submission:**



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D. Szwarc, Chief Administrative Officer

**APPENDICES**

- Appendix I - Engagement of Organizations in an Opioid Strategy for Peel – Current and Planned
- Appendix II - Harm Reduction Program Enhancement Partner Agencies

*For further information regarding this report, please contact Dr. Jessica Hopkins, Medical Officer of Health, Ext. 2856, [jessica.hopkins@peelregion.ca](mailto:jessica.hopkins@peelregion.ca)*

*Authored By: Inga Pedra, Advisor, Policy, Office of the Medical Officer of Health*

*Reviewed in workflow by:  
Financial Support Unit*

**APPENDIX I  
OPIOID STRATEGY FOR PEEL UPDATE**

**Engagement of Organizations in an Opioid Strategy for Peel – Current and Planned**

<b>Organization</b>
Individuals with lived experience in opioid/drug use (Planned)
Bloom Clinic
Bramalea Community Health Centre (Planned)
Brampton Fire and Emergency Services
Caledon Fire and Emergency Services
Canadian Mental Health Association-Peel Dufferin
Central West Local Health Integration Network
Credit River Metis Council (Planned)
Dufferin-Peel Catholic District School Board
East Mississauga Community Health Centre
Elizabeth Fry Society Peel-Halton (Planned)
Four Corners Community Health Centre (Planned)
John Howard Society-Peel, Halton, Dufferin
Medical Program Coordinator, Fire (municipal)
Metis Nation of Ontario (Planned)
Mississauga Fire and Emergency Services
Mississauga Halton Local Health Integration Network
Ontario Addiction and Treatment Centre – Brampton
Office of the Chief Coroner
Ontario Provincial Police, Caledon Detachment
Peel Aboriginal Network (Planned)
Peel Addiction Assessment and Referral Centre
Peel District School Board

**APPENDIX I  
OPIOID STRATEGY FOR PEEL UPDATE**

<b>Organization</b>
Peel Harm Reduction Network
Peel HIV/AIDS Network
Peel Regional Police
Punjabi Community Health Services
Region of Peel <ul style="list-style-type: none"><li>• Corporate Services - Communications</li><li>• Health Services</li><li>• Human Services</li><li>• Paramedic Services</li><li>• Public Health</li></ul>
Trillium Health Partners
William Osler Health System
Youth Substance Abuse Program

APPENDIX II  
OPIOID STRATEGY FOR PEEL UPDATE

**Harm Reduction Program Enhancement Partner Agencies**

The following agencies have engaged with the Region of Peel-Public Health, Harm Reduction Program to provide harm reduction services and/or naloxone distribution services:

Agency	Service Description	Naloxone Distribution Only	Both Naloxone and Needle Exchange Program (NEP) (fixed site)
<b>Bloom Clinic<sup>1</sup></b>	Treatment, care, and support to individuals living with, affected by, or at risk of Hepatitis C and/or HIV across the Region of Peel.		✓
<b>John Howard Society</b> (2 sites)	Services to prevent crime through research, community education, and promotion of systemic change and restorative services to individuals.		✓ Confirmed
<b>Ontario Addiction Treatment Centre (OATC) – Brampton</b>	A range of harm reduction and supportive treatment modalities to treat opioid addiction, the use of other addictive substances and associated health outcomes, such as Hepatitis C and HIV.		✓ Confirmed
<b>Peel HIV / AIDS Network (PHAN)</b>	Health promotion, education, social and support services for people living with HIV, their families, partners and community.		✓ Confirmed
<b>Hope 24/7</b>	Hope 24/7 is the provincially designated Sexual Assault Centre (SAC) for the Region of Peel focused on clinical intervention and prevention of sexual abuse and assault.		✓ In progress
<b>Interim Place (2 sites)</b>	Shelter, support, counselling and advocacy to help abused women and their children break the cycle of violence.		✓ In progress
<b>Youth Substance Abuse Program (YSAP)</b>	Counselling and support for youth with substance use issues.		✓ In progress
<b>Peel Youth Village</b>	Safe, stable, transitional housing and support services for youth, 16 to 30 years of age.	✓ In progress	
<b>Salvation Army</b> (5 shelter sites)	A wide variety of holistic support programs including, nutritional, financial, social, outreach and educational programs and supports as well as spiritual care.	✓ In progress	
<b>Withdrawal Management Centre – William Osler</b>	A non-medical, brief intervention for individuals 16 years of age and older who	✓ In progress	

<sup>1</sup> The Bloom Clinic (housed within Bramalea Community Health Centre) partners with Peel Public Health to provide NEP. The Bloom Clinic receives naloxone directly from the Ministry of Health and Long Term Care for distribution to clients/ friends/family.

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APPENDIX II  
OPIOID STRATEGY FOR PEEL UPDATE

Agency	Service Description	Naloxone Distribution Only	Both Naloxone and Needle Exchange Program (NEP) (fixed site)
<b>Health System</b>	are intoxicated, in withdrawal, or in a crisis related to alcohol, drugs, and /or gambling.		
<b>Regeneration Outreach Community</b>	Serves those living in extreme poverty and homelessness by meeting their physical and spiritual needs.	No resource capacity at this time for naloxone distribution services <sup>2</sup>	
<b>East Mississauga Community Health Centre (EMCHC)</b>	Wide-range of health care services, social support services, community programs, and advocacy initiatives that promote the physical, emotional, social, and economic well-being of our community.		Expressed interest
<b>Punjabi Community Health Centre (PCHS)</b>	Health, settlement and social services to diverse communities within Peel Region. PCHS has four core programs: mental health and addictions, geriatric services, settlement services, child, youth and family services.		Expressed interest
<b>Rapid Access Addiction Centre (RAAC) - CMHA</b>	Short-term addictions treatment, counselling, and support. Connect clients to community services for addiction, psychosocial, social services and primary care.		Expressed interest

<sup>2</sup> Clients currently receive access to naloxone from pharmacies, the PWNEP and Bloom clinic.

APPENDIX II  
OPIOID STRATEGY FOR PEEL UPDATE

**Naloxone for Police, Fire Services, Hospitals and St. John Ambulance**

<b>Service</b>	<b>Status</b>
<b>Peel Regional Police Services</b>	Independently purchased naloxone prior to enhancement direction. Partnered with Peel Public Health to provide future support – refills projected for Jan 2019.
<b>Brampton Fire and Emergency Services</b>	Signed agreement with Peel Public Health. Forty naloxone kits delivered March 13 <sup>th</sup> , 2018.
<b>Caledon Fire and Emergency Services</b>	Independently purchased naloxone prior to enhancement direction. Partnered with Peel Public Health to provide future support
<b>Mississauga Fire and Emergency Services</b>	Independently purchased naloxone prior to enhancement direction. Partnered with Peel Public Health to provide future support.
<b>William Osler Health System</b>  <ul style="list-style-type: none"> <li>• <b>Brampton Civic Hospital</b></li> <li>• <b>Peel Memorial Centre</b></li> </ul>	Naloxone will be made available through public health units to hospitals with emergency departments and/or urgent care centres for the purposes of distribution.  Initial contact has been made with both sites by Peel Public Health.
<b>St. John Ambulance - Peel Dufferin Branch</b> Mississauga – Brampton – Caledon - Orangeville	Naloxone will be made available to branches of St. John Ambulance through public health units for the purposes of administration at public events.

**Agencies Trained to Administer Naloxone On-Site**

Staff at the following agencies has been trained on the principles of harm reduction, overdose prevention, signs and symptoms of overdose and responding to an overdose emergency including the administration of naloxone:

- Compass Foodbank
- Healthy Sexuality Clinic Public Health Nurses
- Hope 24/7
- Interim Place on-site and outreach staff
- John Howard Society of Peel (Brampton and Mississauga)
- Peel Works Needle Exchange Program Community Development Worker mobile outreach staff
- Peel HIV/AIDS Network
- Peel Youth Village
- Punjabi Community Health Centre
- Regeneration Outreach Community
- Salvation Army Shelters (Family Life Resource Centre, Wilkinson, Cawthra, Youth Shelter, Family Shelter)
- Sheridan College (Brampton, Mississauga and Oakville locations)
- The Bridge



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**For Information**


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DATE: May 15, 2018

REPORT TITLE: **EVIDENCE FOR SUPERVISED CONSUMPTION SITES**

FROM: Nancy Polsinelli, Commissioner of Health Services  
Jessica Hopkins, MD, MHSc, CCFP, FRCPC, Medical Officer of Health

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**OBJECTIVE**

To summarize existing evidence on health and community outcomes associated with supervised consumption sites.

**REPORT HIGHLIGHTS**

- Illicit and prescription drug misuse and drug addiction continue to be significant public health concerns in Peel and nationally. Opioid deaths are increasing in Peel. In 2017, from January to October, there were 65 opioid related deaths in Peel, compared with 39 in the same period in 2016.
- Supervised consumption sites provide a clean, safe and monitored space for people to use drugs and are part of a comprehensive harm reduction approach with the objectives to reduce overdose-related death and disease, and the spread of infectious diseases.
- In 2017 Health Canada streamlined the application process for supervised consumption sites to help address the growing opioid crisis. Since that time, the number of sites in Canada has grown rapidly. Sites currently exist in multiple cities in Alberta, British Columbia, Ontario, and Quebec.
- Internationally, supervised consumption sites have been used since the 1980's and have contributed to the body of evidence related to the health and community outcomes associated with supervised consumption sites.
- Available evidence identifies supervised consumption sites as an effective intervention for reducing harms and adverse health outcomes associated with drug misuse, as well as increasing access to medical and social services for people who use drugs.

**DISCUSSION**
**1. Background**

Illicit and prescription drug misuse and drug addiction are complex issues associated with many adverse health and social matters including community safety concerns, unemployment, poverty, homelessness, fatal and non-fatal overdoses and the spread of infectious diseases. Prescription opioids, along with the use of illicit opioids have led to a public health crisis in Canada with epidemic numbers of preventable overdose deaths.<sup>1</sup> Over

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<sup>1</sup> Peel Public Health. Opioids in Peel: A Profile of Opioid Use and Related Harms, 2017.

**EVIDENCE FOR SUPERVISED CONSUMPTION SITES**

the past few years there has been a steady increase in opioid related harms in Ontario and Peel. In 2017, from January to October, there were 65 opioid related deaths in Peel, compared with 39 in the same period in 2016.<sup>2</sup>

Across Canada, all levels of government and various stakeholders are working to implement comprehensive strategies to prevent and mitigate the impact of the current opioid epidemic. Supervised consumption sites are one harm reduction intervention that is increasingly being implemented throughout Canada and internationally to reduce risks related to drug misuse, without requiring stopping drug use.

Along with the recent increase in the number of supervised consumption sites in Canada, questions often arise regarding effectiveness of these sites and concerns about potential negative outcomes such as an increase in drug use and crime in the surrounding area. This report provides Council with information on the evidence-to-date pertaining to supervised consumption sites.

Refer to the companion report from the Commissioner of Health Services and the Medical Officer of Health being presented to Council titled “Opioid Strategy for Peel Update” for further information about initiatives that are part of the Strategy’s harm reduction pillar.

**2. Supervised Consumption Sites****a) Definition**

Supervised consumption sites are designated locations where people who use drugs can use pre-obtained drugs in a safe and clean environment under the supervision of trained staff. Supervised consumption sites have been implemented globally, dating back to the 1980’s<sup>3</sup>, and may also be referred to as ‘supervised injection sites/facilities/rooms/ centres’, ‘safer injection facilities’, ‘drug consumption rooms’ or ‘supervised injection services’.<sup>4</sup> For the purpose of this report, all facilities will be referred to as supervised consumption sites.

**b) Objectives**

The primary objectives of supervised consumption sites are to improve the physical and mental health of people who use drugs, preventing overdose deaths, reducing the spread of infectious disease, reducing safety issues related to public drug use and connecting those people to other health and social services.

**c) Services**

Supervised consumption sites provide harm reduction services such as sterile injection supplies, education, health care, counselling services, referrals to addiction services, screening drugs for fentanyl/carfentanyl prior to client use and overdose prevention.

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<sup>2</sup> Ontario Agency for Health Protection and Promotion (Public Health Ontario). Interactive Opioid Tool. Toronto, ON: Queen's Printer for Ontario; 2017. Available from: <http://www.publichealthontario.ca/en/DataAndAnalytics/Pages/Opioid.aspx>.

<sup>3</sup> RNAO. Best Practice Guidelines: Implementing Supervised Injection Services, 2018.

<sup>4</sup> Kennedy et al. 2017. Public Health and Public Order Outcomes Associated with Supervised Drug Consumption Facilities: A Systematic Review. Current HIV/AIDS Reports, 14:161-183.

## EVIDENCE FOR SUPERVISED CONSUMPTION SITES

### d) Legal Requirements

To operate a supervised consumption sites in Canada a legal exemption for medical purposes under section 56 of the *Controlled Drugs and Substances Act* is required.<sup>5</sup> An application must be submitted to Health Canada outlining the anticipated public health benefits of the site and include information related to the following topics<sup>6</sup>:

- i. local conditions indicate a need for the site;
- ii. impact on crime rates;
- iii. administrative structure in place to support the facility;
- iv. resources available to support maintenance of the site; and
- v. verbal communications of community support or opposition.

Exemptions are valid for one year commencing operations. Exemptions for renewal applications are issued on a case-by-case basis depending on the information provided in the renewal application and the compliance history of the site.<sup>7</sup>

### e) Supervised Consumption Sites in Canada

In 2003, Insite, North America's first legal supervised injection site, opened in Vancouver. To date, Health Canada has approved 29 supervised consumption sites applications in Alberta (n=7), British Columbia (n=9), Ontario (n=9), and Quebec (n=4). Currently, there are two applications for supervised consumption sites from Ottawa Public Health and Vancouver Coastal Health Authority awaiting approval.<sup>8</sup>

## 3. Evidence Review

Staff conducted a comprehensive search and review of literature on supervised consumption sites. Below is a summary of the most recent and best available evidence on the health and community outcomes associated with supervised consumption sites in North America, Europe and Australia.

- Supervised consumption sites are associated with reducing overdose deaths or the frequency of paramedic calls related to opioid overdoses and opioid related emergency department visits.
- Supervised consumption sites increase safer drug-related behaviours, such as not sharing needles, using sterile water for injecting, cooking or filtering drugs and safely disposing of used sharps which decrease the risk of spreading infectious diseases (e.g., HIV, hepatitis B, hepatitis C).
- Supervised consumption sites may increase enrollment in addiction treatment and lead to faster entry into detoxification programs.
- Supervised consumption sites increase awareness of and access to health and social services, referrals to services and utilization of services by people who use

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<sup>5</sup> Government of Canada. Exemptions. Available from: <https://www.canada.ca/en/health-canada/services/health-concerns/controlled-substances-precursor-chemicals/exemptions.html>.

<sup>6</sup> Government of Canada. Supervised Consumption Sites: Status of Applications. Available from: <https://www.canada.ca/en/health-canada/services/substance-abuse/supervised-consumption-sites/status-application.html>.

<sup>7</sup> Personal correspondence with Health Canada: Exemptions Section / Authorizations Division Office of Controlled Substances / Opioid Response Team.

<sup>8</sup> Government of Canada. Supervised Consumption Sites: Status of Applications. Available from: <https://www.canada.ca/en/health-canada/services/substance-abuse/supervised-consumption-sites/status-application.html>.

## EVIDENCE FOR SUPERVISED CONSUMPTION SITES

drugs. Supervised consumption site users are more likely to seek medical treatment when directed by site staff.

- Long-term users of supervised consumption site services may consistently use condoms with regular sexual partners, which can decrease the spread of infectious diseases.
- Supervised consumption sites reduce the number of people injecting drugs in public spaces, improperly discarded syringes and injection-related litter in communities.
- Neighbourhoods near supervised consumption sites have not shown an increase in assaults, robberies, drug trafficking, drug possession, drug dealing or illicit drug offences.
- Supervised consumption sites have been estimated to save the health care system up to \$6 million per site per year by preventing overdose deaths, new hepatitis C cases, new HIV cases and reducing resources spent on emergency medical services.

## CONCLUSION

Supervised consumption sites are becoming more common in Canada, as progressive harm reduction strategies are implemented to combat the opioid crisis. Research has been undertaken to better understand the impact of supervised consumption sites within a community. Systematic review evidence identifies that these sites are an effective intervention for reducing associated harms and adverse health outcomes for people who use drugs. As the use of these sites continues to increase and evolve, research evidence will be closely monitored to continue to understand how supervised consumption sites can potentially support effective harm reduction initiatives in Peel.



Nancy Polsinelli, Commissioner of Health Services



Jessica Hopkins, MD MHS CCFP FRCPC  
Medical Officer of Health

### Approved for Submission:




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D. Szwarc, Chief Administrative Officer

*For further information regarding this report, please contact Dr. Jessica Hopkins, Medical Officer of Health, Ext. 2856, [jessica.hopkins@peelregion.ca](mailto:jessica.hopkins@peelregion.ca).*

*Authored By: Amanda Richards, Analyst, Research and Policy, Communicable Diseases Division.*

DATE: May 15, 2018

REPORT TITLE: **UPDATE ON ENHANCEMENTS TO THE REGION OF PEEL LOW INCOME SENIORS DENTAL PROGRAM**

FROM: Nancy Polsinelli, Commissioner of Health Services  
Jessica Hopkins, MD MHSc CCFP FRCPC, Medical Officer of Health

## RECOMMENDATION

**That the approval of high cost program enhancements be deferred until 2019 to allow for analysis of any provincial dental policy changes following the provincial elections.**

### REPORT HIGHLIGHTS

- As directed by Regional Council, the Low Income Seniors Dental Program (Seniors Dental Program) was evaluated during 2016. Evaluation results and proposed recommendations were presented to Council on April 27, 2017.
- Council approved (Resolution 2017-360) a number of program enhancements with no or minimal cost implications, most of which were initiated in 2017. Staff were directed by Council to conduct further analysis to determine the impact of high cost enhancements for the Seniors Dental Program.
- Expansion of the Seniors Dental Program would impact the tax base and with major political parties promising dental care coverage for adults and seniors in the upcoming June 2018 provincial elections, staff recommend deferring approval of high cost program enhancements to the Seniors Dental Program until 2019.
- Two contract staff will be hired to support current program activities, including planning, implementation, administration, evaluation, and management activities.

## DISCUSSION

### 1. Background

The Seniors Dental Program was launched in October 2008 to address the lack of oral health services for low income seniors in Peel. The objectives of the program are to:

1. Increase the number of low income seniors with access to dental care treatment;
2. Improve the oral health-related quality of life for those seniors; and,
3. Reduce the burden on the health care system.

Since the inception of the program in 2008, approximately 11,000 Peel seniors have been provided access to dental care. In 2018, the program is projected to provide access to care

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### UPDATE ON ENHANCEMENTS TO THE REGION OF PEEL LOW INCOME SENIORS DENTAL PROGRAM

for at least 800 seniors. There were 280 seniors on the waitlist as of March 2018 with a wait time of approximately three months.

The program's current annual budget of \$1.5 million is 100 per cent municipally funded. In 2008, Council approved 1.0 Full Time Equivalent (FTE) to provide support for program administration, which includes enrollment, case management, claims administration, and payment. Increased staff time beyond the 1.0 FTE has been used to provide program management and administrative support.

At the May 26, 2011 Regional Council meeting the report titled, "Update on the Region of Peel Seniors' Low-Income Dental Program," staff requested that 2.0 FTE be added to support this program. However, Council did not approve the additional FTEs. Staff were asked to facilitate discussions with all stakeholders regarding the program, specifically how to control and manage program administration costs, and to advocate to the province that they should be involved in the provision of such programs. No additional staff were requested in 2012 as part of the budget process.

Currently the Seniors Dental Program operates alongside Ministry of Health and Long-Term Care mandated children and youth oral health programs. The Seniors Dental Program is accessing additional support from other programs to maintain current service levels to seniors. With the demands of the children and youth oral health programs increasing, the Seniors Dental Program requires dedicated resources to meet its objectives and community needs.

In addition, dental fees continue to increase annually with an inflation rate of approximately two to four per cent. No funds have been received to account for these fee increases which will reduce the number of seniors enrolled into the program in the future.

A comprehensive evaluation and analysis of the program to ensure that the program was operating efficiently and meeting its intended objectives was approved by Council on June 26, 2014, and initiated in 2015 (Resolution 2015-240). Evaluation results and proposed program recommendations were presented in the April 27, 2017 Council report, "Evaluation Results of the Region of Peel Low Income Seniors Dental Program." Council approved the following recommendations: enhancing access, services and partnerships, and ongoing evaluation (Resolution 2017-360).

#### 2. Council Approved No or Minimal Cost Program Enhancements

##### a) \$200,000 Investment to Fund Denture Relines

In 2017, Council expanded the services available to clients by investing an additional \$200,000 annually (Resolution 2017-360). These funds:

- Covered the cost of denture relines for approximately 150 seniors who received new dentures following extensive tooth extractions; and,
- Extended access to dental care for approximately 200 additional seniors.

Providing denture relines has increased administrative workload for staff and demand will increase in the future as providers become aware that denture relines are funded.

## **UPDATE ON ENHANCEMENTS TO THE REGION OF PEEL LOW INCOME SENIORS DENTAL PROGRAM**

### **b) Modify Eligibility Assessment for Seniors Supporting Extended Families**

Upon further investigation, it is recommended that the Notice of Assessment (NOA) forms of extended family members not be assessed for program enrolment.

Currently, the program assesses financial eligibility based on the NOA form of the individual and their partner, if applicable, and whether or not the senior supports extended family members. The Low Income Cut Off (LICO) established by Statistics Canada is \$20,675 for a one person household or \$25,163 for a two person household, effective July 1, 2017. The NOA of extended family members will not be assessed as this may be a barrier to program entry. Some seniors may have reservations in seeking and providing confidential financial information of their family members as this may be perceived as an invasion of privacy. In addition, seniors may experience challenges with obtaining additional documentation to support enrolment.

### **c) Advocate for Provincial Funding for Dental Treatment**

At the November 13, 2017 Seniors Dental Program Stakeholders meeting, Region of Peel - Public Health and its community partners discussed the need to advocate together to the province for funding of dental treatment for low income seniors. There may be opportunities to advocate for additional funding for seniors' oral health services at the two Community Health Centres in Peel with the ongoing transformation of the Ontario health care system and a stronger role for the Local Health Integration Networks in the community health setting. Oral health is also an area of focus in the upcoming June 2018 provincial elections, with all three major parties promising to introduce dental care coverage for adults and seniors.

### **d) New Evaluation Protocol to Measure Oral Health Outcomes**

A new evaluation protocol for clients was developed and implemented in September 2017. The protocol will allow for a better understanding of the effectiveness of the program one year after treatment on oral health status and oral health-related quality of life. A survey tool is also being developed to collect program feedback from dental providers. Evaluation data will be collected and assessed on an ongoing basis and will be used to inform program modifications and service delivery.

Data collection will occur at program enrollment, 12 months after treatment is complete (approximately 19 months after the first data collection point). This will provide more robust evaluation data, but requires more resources for effective implementation. Post treatment data collection will begin in April 2019.

### **e) Ongoing opportunities for Stakeholder Engagement**

Public Health staff continues to host annual Seniors Dental Program Stakeholder meetings to discuss updates and identify opportunities for program development.

## **3. Analysis of High Cost Program Enhancements**

As directed by Regional Council on April 27, 2017, further analyses were completed to determine the estimated costs and impacts of expanding the program.

## 8.4-4

### UPDATE ON ENHANCEMENTS TO THE REGION OF PEEL LOW INCOME SENIORS DENTAL PROGRAM

As a result of oral health for adults and seniors being an area of focus for the upcoming June 2018 provincial elections, and the impact to the tax base of the three proposed high cost options, staff recommends deferring Seniors Dental Program enhancements until 2019 following an analysis of any provincial dental program enhancements.

#### 4. Next Steps to Support Next Steps to Support Current Program Activities

Staff will hire an additional two contract staff at a cost of \$193,000 to adequately support ongoing program planning, implementation, evaluation, administration and management.

Activities that will be supported by the addition of two contract staff positions include:

- Enrolling clients and case management;
- Administering and adjudicating dental claims (includes denture relines);
- Implementing evaluation including in-person surveys;
- Supporting ongoing program planning, implementation and evaluation;
- Providing leadership and direction to administrative staff;
- Developing and maintaining partnerships with stakeholders, local dental providers, Community Health Centres, and dental labs;
- Managing budget, payments and reporting; and,
- Overseeing records and data management.

#### 5. Other Budgetary Considerations

Dental fees for the Seniors Dental Program are set at 70 per cent of the Ontario Dental Association Suggested Fee Guide. The fees set in the fee guide increase with an annual inflation rate of approximately two to four per cent. In addition, Community Health Centres dental clinic costs increase every year due to an increase in operational costs including staff salaries, lease, etc. No funds have been received to account for this increase, which means fewer seniors can be seen each year. Additional funds will allow for maintenance of current service delivery levels in the short-term.

### FINANCIAL IMPLICATIONS

The program continues to maintain current service levels with the enhancements Council approved during the 2018 budget cycle.

To ensure that outcomes and objectives continue to be met, two additional contract staff positions at a cost of \$193,000 will be hired. These contract staff will support ongoing program planning, implementation, evaluation, administration, and management. The net annual ongoing program costs will be included in the proposed 2019 Chronic Disease Prevention Service Budget for Council's approval. If required, staff will request that these contract staff be made permanent FTE positions during the regular budget approval process following the provincial elections and potential implementation of any provincial dental program.

The review on expanding the seniors dental program has been completed and the estimated net additional costs of options range from \$0.5 million to \$1.6 million on top of the current budget of \$1.5 million. With funding for seniors dental on the three provincial platforms, staff is recommending deferring any decisions on expansion of the program until the next term of council to assess the feasibility of provincial funding to offset these increases.



**UPDATE ON ENHANCEMENTS TO THE REGION OF PEEL LOW INCOME SENIORS  
DENTAL PROGRAM**

**NEXT STEPS**

Staff will report back to Council on potential implementation of high cost program enhancements in 2019.

**CONCLUSION**

As directed by Regional Council in 2017, the Seniors Dental Program has implemented measures to enhance the program which have no or minimal cost. Further analysis of high cost enhancements options has been completed. At this time, staff is recommending deferring substantial program enhancements given that it will impact the tax base and that introduction of dental coverage for adults and seniors is being promised by the major parties in the June 2018 elections.

Program experience, evaluation findings and implementation of program enhancements have identified areas of program resource needs. The Seniors Dental Program requires dedicated resources to meet its objectives and community needs.



Nancy Polsinelli, Commissioner of Health Services



Jessica Hopkins, MD MHS CCFP FRCPC, Medical Officer of Health

**Approved for Submission:**



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D. Szwarc, Chief Administrative Officer

*For further information regarding this report, please contact Paul Sharma, Director, Chronic Disease and Injury Prevention, ext. 2013.*

*Authored By: Varinder Singh, Acting Manager, Chronic Disease and Injury Prevention*

*Reviewed in workflow by:*  
Financial Support Unit

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DATE: May 15, 2018

REPORT TITLE: **COMMUNITY PARAMEDICINE PROGRAM STUDY**

FROM: Nancy Polsinelli, Commissioner of Health Services

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## **RECOMMENDATION**

**That Peel Regional Paramedic Services participation in the Community Paramedicine at Clinic study led by McMaster University, and funded by the Mississauga Halton Local Health Integration Network as outlined in the report from the Commissioner of Health Services titled, “Community Paramedicine Program Study”, be endorsed;**

**And further, that staff report back to Council in 2019 on the results of study.**

### **REPORT HIGHLIGHTS**

- Peel Regional Paramedic Services recommends participating in a one-year community paramedicine program study with McMaster University to trial the Community Paramedic at Clinic (CP@clinic) program in two Peel Housing Corporation seniors' buildings.
- The overall goal of the CP@clinic study is to reduce avoidable calls for ambulance and transports to emergency departments through paramedic-led health promotion sessions that focus on reducing participants' risk of diabetes, cardiovascular disease and falls.
- The CP@clinic aims to empower low income seniors by raising awareness of health conditions and connecting participants to existing health promotion programs, home and community care supports, and primary care providers.
- Results from the study will be reported back to Council and will inform future program decisions.

## **DISCUSSION**

### **1. Background**

As previously reported to Council, population growth, an aging population, and increased incidence of chronic disease are factors resulting in pressures on the health care system. This has been evident for Peel Paramedics, as data suggests that ambulance call volumes are forecast to average above 5.1 per cent over the next ten years. Increases in 2016 and 2017 have been above nine per cent, and as of March 31, 2018, the average call volume is trending at eight per cent. In some cases, the use of emergency services results from conditions that could be more effectively treated through primary or home and community care.

## COMMUNITY PARAMEDICINE PROGRAM STUDY

Community paramedicine generally refers to programs delivered by paramedics outside the role of emergency response, by applying their training and skills in non-traditional community environments. Community paramedicine is not included under the definition of ambulance services in the *Ambulance Act*, nor governed under current legislation that directs Paramedic Services programs and resources. However, as a support to the broader sector and transformation of home and community care under the *Patients First: A Roadmap to Strengthen Home and Community Care*, community paramedicine is an approach to improve access to and integrate health care services for seniors and other residents living with chronic conditions, while reducing ambulance call volume and transports to area emergency departments.

In 2014, the Ministry of Health and Long-Term Care (Ministry) funded 30 'community paramedicine' pilot programs with a focus to reduce 911 calls for ambulance services and transport to emergency departments among non-urgent patients. According to reports from the Ministry, demonstrated success through pilots coupled with reviews of evidence, supported the decision in 2017/18 to allocate \$6 million in annual funding to support community paramedicine programs across all of Ontario's 14 Local Health Integration Networks (LHINs).

In Peel, the Mississauga Halton and Central West LHINs received funding to support community paramedicine initiatives in their local health systems. In 2017/18, the LHINs funded existing community paramedicine programs in Halton Region and Dufferin County, and also began discussions with Paramedic Services regarding potential community paramedicine programs in Peel.

## 2. Findings

### a) Community Paramedicine Study

With fully funded support from the Mississauga Halton LHIN, Peel Paramedics has agreed to participate in a one-year study to trial a community paramedicine program called "CP@clinic", led by McMaster University. The study is led by Dr. Gina Agarwal with the Faculty of Family Medicine at McMaster University, to address high use of emergency services among seniors at risk of chronic disease complications. Beginning the end of May 2018, the Region of Peel is joining over 12 other municipalities in Ontario that are participating in the study including Halton and York Region.

In the determination of the site selection, two Peel Housing Corporation seniors' buildings were identified based on the frequency of calls for ambulance, and the acuity of the calls which demonstrated many could be avoided through preventative measures. The following locations were selected for CP@clinic sessions in Mississauga: 2250 South Millway (Mississauga Ward 8), and 2440 Truscott Drive (Mississauga Ward 2).

The CP@clinic aims to improve the health of low-income residents in seniors' buildings by empowering participants in the prevention and management of chronic disease through voluntary drop-in wellness clinics held each week within a common area of these seniors' buildings. As part of the study, the CP@clinic will focus on reducing participants' risk of cardiovascular disease, diabetes, and falls, by raising awareness of health conditions and connecting participants to existing health promotion programs, home and community care services, and primary care providers. Paramedics leading

**COMMUNITY PARAMEDICINE PROGRAM STUDY**

the clinics will provide individual structured assessments (e.g. questionnaire regarding general wellness and quality of life, blood pressure check, glucometry, weight, and 'timed up and go' test), consultation, and information and referrals to residents, with particular attention to helping seniors navigate to available health and social services in their community.

A Community Paramedic will be provided with specific training for this program including familiarization with a wide range of community-based programs and services and how to access them.

**b) Study Target Outcomes**

The CP@clinic study provides a time-limited and fully-funded opportunity for Peel Paramedic Services and Peel Housing Corporation to assess whether this community paramedicine program model has the potential to improve the health outcomes for seniors in subsidized housing, and to alleviate demand on Peel Paramedics and emergency departments at Peel-area hospitals.

Based on outcomes at other CP@clinic sites in Ontario, the performance targets will include:

- Reduction in diabetes risk category for 15 per cent of participants,
- Reduction in blood pressure for 25 per cent of participants,
- Referral to community falls prevention programs for all participants at risk of falls,
- Uptake on referrals to community programs by 80 per cent of participants, and
- Reduction in ambulance calls to those buildings with CP@clinic sessions by 25 per cent, compared to the year prior to implementation.

**c) Partners and Funding**

The terms and conditions of the Study are set out in amendment to the existing multi-sector service accountability agreement (M-SAA) between the Region with the Local Health Integration Network, as well as through a Collaborative Research Agreement between the Region of Peel, and McMaster University. Medical oversight of paramedics for the CP@clinic sessions will be provided by study protocols under Dr. Agarwal.

**FINANCIAL IMPLICATIONS**

The Region of Peel has been approved to receive \$18,426 (in 2017-18) and \$131,620 (2018-19) for Peel Paramedic Services to participate in this 12-month study, until March 2019. This funding will be used to hire 1.0 FTE (contract) paramedic supported by existing paramedics on modified duty, and for start-up and limited clinical equipment costs (such as one laptop, blood pressure monitor and weigh scale). Any requests to make the study a permanent service, with 100 per cent funding from the LHIN, will come through the annual budget process.

**COMMUNITY PARAMEDICINE PROGRAM STUDY**

**CONCLUSION**

The CP@clinic study supports the Region of Peel's Strategic Plan and vision of community for life by providing access to services that meet the needs of residents at all stages of life. As a time-limited study, this program is not a service level increase, but does provide an opportunity for Peel to assess the effectiveness of the CP@clinic model as an extended support to the local health system through community care. Findings from the study will be reported to Council in 2019, and can inform the direction for future community paramedicine programs in Peel.



Nancy Polsinelli, Commissioner of Health Services

**Approved for Submission:**



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D. Szwarc, Chief Administrative Officer

*For further information regarding this report, please contact Peter Dundas, Chief & Director, ext. 3921, [peter.dundas@peelregion.ca](mailto:peter.dundas@peelregion.ca).*

*Authored By: Sharon Williams and Cullen Perry, Strategic Policy & Projects*

Ministry of Health  
and Long-Term Care

Office of the Minister

10<sup>th</sup> Floor, Hepburn Block  
80 Grosvenor Street  
Toronto ON M7A 2C4  
Tel 416-327-4300  
Fax 416-326-1571  
www.ontario.ca/health

Ministère de la Santé  
et des Soins de longue durée

Bureau du ministre

Édifice Hepburn, 10<sup>e</sup> étage  
80, rue Grosvenor  
Toronto ON M7A 2C4  
Tél 416-327-4300  
Télééc 416-326-1571  
www.ontario.ca/sante



**RECEIVED**  
**May 4, 2018**

REGION OF PEEL  
OFFICE OF THE REGIONAL CLERK

RECEIVED

APR 27 2018

iApprove-2018-00242

Regional Municipality of Peel  
Office of the Regional Chair

MAY 04 2018

RECEIVED

Mr. Frank Dale  
Regional Chair and Chief Executive Officer  
Regional Municipality of Peel  
10 Peel Centre Drive, 5th Floor Suite A  
Brampton ON L6T 4B9

Dear Mr. Dale:

I am pleased to advise you that the Ministry of Health and Long-Term Care will provide the Regional Municipality of Peel with up to \$1,442,772 in one-time funding for the 2018-19 funding year to support dedicated nurses to receive ambulance patients at locally selected hospitals.

The Assistant Deputy Minister of the Direct Services Division will write to the Regional Municipality of Peel shortly concerning the terms and conditions governing this funding.

Thank you for your dedication and commitment to the provision of health services.

Yours sincerely,

Dr. Helena Jaczek  
Minister

c: Mr. David Szwarc, Chief Administrative Officer, Regional Municipality of Peel

REFERRAL TO \_\_\_\_\_  
RECOMMENDED \_\_\_\_\_  
DIRECTION REQUIRED \_\_\_\_\_  
RECEIPT RECOMMENDED  \_\_\_\_\_

**Minister of  
Seniors Affairs**

6th Floor  
400 University Avenue  
Toronto ON M7A 2R9  
Tel.: (416) 314-9710  
Fax: (416) 325-4787

**Ministre des Affaires  
des personnes âgées**

6e étage  
400, avenue University  
Toronto ON M7A 2R9  
Tél.: (416) 314-9710  
Télééc.: (416) 325-4787



May 4, 2018

**RECEIVED**  
**May 4, 2018**

REGION OF PEEL  
OFFICE OF THE REGIONAL CLERK

Dear Friends:

June is Ontario's 34<sup>th</sup> annual Seniors' Month. This year's theme, "Now's the time to start something new," highlights how aging does not prevent any of us from leading fulfilling lives. Seniors continue to contribute to our community and we can all benefit from their wisdom, friendship, and experience.

To help spread the word, we have enclosed a copy of this year's poster in English and French. If you would like additional copies, please send an email to [infoseniors@ontario.ca](mailto:infoseniors@ontario.ca) and indicate the quantity you require and your full mailing address. Posters are available while quantities last.

Finally, I continue to encourage everyone to celebrate Seniors' Month by hosting an event in your community. For more information about programs and services that are available to help seniors lead a healthy, active, and engaged life over 65, please visit our new website [ontario.ca/AgingWell](http://ontario.ca/AgingWell).

Thank you for your continued support and for celebrating Ontario's seniors.

Sincerely,

Dipika Damerla  
Minister

Enclosure

REFERRAL TO \_\_\_\_\_  
RECOMMENDED \_\_\_\_\_  
DIRECTION REQUIRED \_\_\_\_\_  
RECEIPT RECOMMENDED  \_\_\_\_\_

Ministry of Health  
and Long-Term Care

Office of the Minister

10<sup>th</sup> Floor, Hepburn Block  
80 Grosvenor Street  
Toronto ON M7A 2C4  
Tel 416-327-4300  
Fax 416-326-1571  
www.ontario.ca/health

Ministère de la Santé  
et des Soins de longue durée

Bureau du ministre

Édifice Hepburn, 10<sup>e</sup> étage  
80, rue Grosvenor  
Toronto ON M7A 2C4  
Tél 416-327-4300  
Télé 416-326-1571  
www.ontario.ca/sante



MAY 07 2018

iApprove-2018-00620

**RECEIVED**  
**May 7, 2018**  
REGION OF PEEL  
OFFICE OF THE REGIONAL CLERK

Mr. Frank Dale  
Chair, Board of Health  
Peel Public Health  
10 Peel Centre Drive  
Brampton ON L6T 4B9

Dear Mr. Dale:

I am pleased to advise you that the Ministry of Health and Long-Term Care will provide the Board of Health for Peel Public Health up to \$1,320,400 in additional base funding and up to \$656,100 in one-time funding for the 2018-19 funding year to support the provision of public health programs and services in your community.

The Assistant Deputy Minister of the Population and Public Health Division will write to Peel Public Health shortly concerning the terms and conditions governing this funding.

Thank you for your dedication and commitment to Ontario's public health system.

Yours sincerely,

Dr. Helena Jaczek  
Minister

c: Dr. Jessica Hopkins, Medical Officer of Health, Peel Public Health

REFERRAL TO \_\_\_\_\_  
RECOMMENDED \_\_\_\_\_  
DIRECTION REQUIRED \_\_\_\_\_  
RECEIPT RECOMMENDED  \_\_\_\_\_



**ITEMS RELATED TO  
HUMAN SERVICES**

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**DATE:** May 17, 2018

**REPORT TITLE:** **SERVICE DELIVERY MODEL TO CREATE EQUITABLE ACCESS TO HIGH QUALITY EARLYON CHILD AND FAMILY PROGRAMS**

**FROM:** Janice Sheehy, Commissioner of Human Services

### **RECOMMENDATION**

**That the Service Delivery Model for Peel’s EarlyON Child and Family Centres as described in Appendix I to the report from the Commissioner of Human Services, titled “Service Delivery Model to Create Equitable Access to High Quality EarlyON Child and Family Programs”, be approved;**

**And further, that the Regional investments required to implement the Service Delivery Model be brought forward for approval through the annual budget process;**

**And further, that an Early Growth and Development capital project for \$5.75 million be established to fund nine new community-based EarlyON centres with no net impact, as a result of additional Federal/Provincial Funding received.**

### **REPORT HIGHLIGHTS**

- On January 1, 2018 the Region of Peel, as Service System Manager received \$11.8 million from the Province for Early Years and Child Care and assumed responsibility for the planning and management of EarlyON Child and Family Centres.
- In response to Regional Council’s direction, staff reviewed system needs and developed a service delivery model to ensure equitable access to high quality programs.
- The recommended service delivery model, which if approved, will be implemented over five years, requiring a total regional investment of \$3.94 million by 2022, in addition to the provincial allocation of \$11.8 million.
- The Regional investment required to implement the service delivery model will be brought forward for approval through the annual budget process. In 2019, an initial regional investment of \$1.53 million would be required.
- Potential offsets to decrease the required regional investment will be explored through a review of existing programs along with advocacy to the Provincial government for additional funds to support the delivery of Early ON Child and Family Centres.
- The recommended service delivery model, which is evidence-based, will result in a 48 per cent increase in EarlyON program hours and ensure families can conveniently access an EarlyON location that best suits their needs.
- The service delivery model also includes a new staffing plan to ensure programs are delivered by qualified professionals (e.g. Registered Early Childhood Educators) at a lower staff to participant ratio to allow for meaningful engagement.

## 10.1-2

### SERVICE DELIVERY MODEL TO CREATE EQUITABLE ACCES TO HIGH QUALITY EARLYON CHILD AND FAMILY PROGRAMS

- The model will include 225 hours of special needs supports for families and dedicated resources for ongoing program outreach and professional development.
- The Province has approved \$5.75 million in capital funding to support nine new EarlyON centres.

## DISCUSSION

### 1. Background

In February 2016, the Province announced the integration of Ministry of Education funded Ontario Early Years Centres, Parenting and Family Literacy Centres, Child Care Resource Centres and Better Beginnings Better Futures child and family programs into EarlyON Child and Family Centres (previously named Ontario Early Years Child and Family Centres).

On January 1, 2018, the Region of Peel, as Service System Manager, assumed responsibility for the planning and management of EarlyON Child and Family Centres ("EarlyON centres"). The Region received \$11.8 million as the 2018 Provincial EarlyON allocation with no expected regional financial contribution. EarlyON centres are required to deliver an expanded mandate by offering free programs that support learning and development for children from birth to age six, and connect families with each other and to other programs and services in their community.

An update on the initial plan to transform EarlyON centres was presented to Council on October 12, 2017 in a report entitled *Transition to the New Ontario Early Years Child and Family Centres in Peel*. To remain within the Provincial funding allocation, it was outlined that the future delivery of programs would be prioritized.

In response, staff were asked to review broader system needs and report back to Council with a recommendation on how to ensure equal access to high quality programs for all of Peel Region. In addition, staff were requested to review the number of families from other jurisdictions that participate in local programs as part of this analysis of broader system needs.

To fulfil Council's request, staff assessed the need for EarlyON programs and the requirements to deliver the expanded Provincial EarlyON mandate, and reviewed inconsistent levels of service across communities, and are recommending a new service delivery model for Peel's EarlyON Child and Family centres.

### 2. Recommended Service Delivery Model

Peel's population from birth to six years of age has increased by 11 per cent since 2001<sup>1</sup> when EarlyON centres were first implemented. The characteristics of Peel have also changed since that time, resulting in inequities in access to programs, with some newly developed communities having no access to programs while some established communities are over-served.

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<sup>1</sup> Statistics, Census of Canada, 2001 and 2016

## SERVICE DELIVERY MODEL TO CREATE EQUITABLE ACCES TO HIGH QUALITY EARLYON CHILD AND FAMILY PROGRAMS

To address these changing needs, a new service delivery model is recommended (See *Appendix I*). This model will increase equitable access for families and deliver high quality EarlyON programs and services. Implementing this new service delivery model would require additional Regional funding beyond the provincial allocation of \$11.8 million, which is estimated to be \$1.53 million in 2019, increasing to \$3.94 million by 2022. Should Regional Council approve the new service delivery model, the request for Regional funding will be brought forward for approval through the annual budget process.

Key elements of the recommended model include:

- Increased access to year-round core services at least five days per week, in alignment with the provincial mandate and in response to feedback provided by families by ensuring:
  - A minimum of 20 program hours per week for all communities
  - 354 additional program hours based on a data driven approach that includes factors such as child population, program participation and social risk indicators resulting in a 48 per cent increase of the total program hours available across Peel (See *Appendix I*).
- A new staffing plan which includes program delivery by qualified professionals (e.g. provincially mandated Registered Early Childhood Educators) at a lower staff to participant ratio to promote meaningful engagement. Research suggests that every additional professional in the program improves the quality of the environment and the experience for families.<sup>2</sup>
- 225 hours of special needs supports per week for families across Peel, in response to feedback from families and service providers.
- Dedicated resources for program outreach and ongoing professional development.
- Customized programs and services (e.g. enhanced post-partum supports) that are responsive to local needs as identified through community consultations.
- Integration of the Region funded Learning In Our Neighbourhood program into EarlyON sites to support program delivery to families in underserved communities and reach vulnerable groups.

As directed by Regional Council, the analysis to inform the number of program hours recommended above included program participation data of families from other jurisdictions beyond Peel that participate in local programs.

The Service System Manager will work with Peel Public Health, service providers and community partners and continue to engage families to refine the service delivery model throughout its five year (2018 – 2022) implementation and will monitor its effectiveness in achieving positive outcome for families. In addition, the Service System Manager will continue to advocate for additional Provincial funding to fully implement the new service delivery model.

The transition of EarlyON Child and Family Centres over the next five years will be integrated into Peel's broader, system wide Early Years and Child Care Programs and Services Plan. This Plan will provide an in-depth overview of early years and child care

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<sup>2</sup> Encouraging Quality in Early Childhood Education and Care, 2011

**SERVICE DELIVERY MODEL TO CREATE EQUITABLE ACCES TO HIGH QUALITY EARLYON CHILD AND FAMILY PROGRAMS**

priorities for families and will be presented to Regional Council by June 30, 2019, as mandated by the Province.

**3. Benefits of Recommended Service Delivery Model**

The new service delivery model will ensure that EarlyON centres are located in communities where families can conveniently access programs that best suit their needs, whether these locations are close to where they live, work or play. Families expressed a preference to travel within a limit of 15 minutes to EarlyON centres.<sup>3</sup> The new service delivery model responds to these needs by aligning EarlyON locations to child population.

The new staffing plan will ensure that the Service System Manager can successfully deliver the expanded EarlyON program mandate. Families want engaging and welcoming programs for their children where they meet other families and learn helpful strategies to support them in their role as caregivers.<sup>4</sup> The new staffing plan ensures that programs are delivered by a team of qualified professionals who can provide expert advice to families and share strategies and activities that parents and caregivers can use at home to support their child's healthy development.

Dedicated special needs resources for EarlyON centres will create inclusive settings where all families can get answers to questions about their child's development. Families of children with special needs who require specialized services (e.g. speech and language) will be supported by qualified staff to find the services they need.

Not knowing where programs are located and the times of programs are barriers for families.<sup>5</sup> The new service delivery model ensures ongoing outreach to families that could benefit from EarlyON programs and services but are not currently accessing services for a variety of reasons. This will increase the likelihood of connecting with vulnerable groups (e.g. newcomers, teen parents, low-income families, etc.) and support social connectivity for families.

The recommended Regional investment in EarlyON centres is aligned with the Region's Strategic Vision of *Community for Life* - a place where everyone enjoys a sense of belonging and has access to the services and opportunities they need to thrive throughout each stage of their lives. Research shows that what happens in early childhood plays a significant role in lifelong health, well-being, and learning.<sup>6</sup> EarlyON centres support children to achieve their mental and physical potential. In these inclusive environments children develop the skills needed to succeed in school while parents strengthen their relationships with their children, and connect with other families and with their community.

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<sup>3</sup> Planning for EarlyON Child and Family Centres in Peel, 2017

<sup>4</sup> Ibid

<sup>5</sup> Planning for EarlyON Child and Family Centres in Peel, 2017

<sup>6</sup> Offord Centre for Child Studies (2016). Importance of the Early Development Instrument.

## 10.1-5

### SERVICE DELIVERY MODEL TO CREATE EQUITABLE ACCES TO HIGH QUALITY EARLYON CHILD AND FAMILY PROGRAMS

#### 4. Expanding Peel’s Early Years and Child Care System (2019-2022)

To ensure families have access to conveniently located EarlyON centres and licensed child care, staff worked with service providers, municipalities and school boards to identify potential locations. These proposals were submitted to the Province for consideration.

The Province has approved \$5.75 million in capital funding to support nine new community-based EarlyON centres that will be operational by 2022. In addition, three new school-based EarlyON Centres have also been approved by the Province. These new EarlyON centres will support the Service System Manager in increasing program access for families and amalgamate existing locations that are not ideal spaces or not cost effective to operate.

#### RISK CONSIDERATIONS

	<b>If Recommended Service Delivery Model is Approved (Regional funding contribution required)</b>	<b>If Recommended Service Delivery Model is Not Approved (work within the Provincial Allocation – no Regional funding contribution required)</b>
Risk	<ul style="list-style-type: none"> <li>Minor redistribution of program hours within the system will be required, which may result in service disruption for families.</li> </ul>	<ul style="list-style-type: none"> <li>Significantly redistribute program hours from over-serviced areas to under-serviced areas to address inequities in access (<i>See Appendix III</i>).</li> <li>Limited transition time for families and service providers as programs are relocated from over-serviced areas to under-serviced areas.</li> <li>No dedicated resources for program outreach to families who currently do not attend programs.</li> <li>Significantly reduce resources for special needs supports in EarlyON centres.</li> </ul>
Mitigation	<ul style="list-style-type: none"> <li>System changes will be phased in over three to five years and the impact of implementation will be monitored over the transition period.</li> <li>Ongoing analysis of program utilization data to assess changes in the demand for programs and ensure that the service delivery model is responsive to the changing needs of families.</li> </ul>	

#### FINANCIAL IMPLICATIONS

To implement the recommended service delivery model for the EarlyON centres a Regional investment is required of \$1.53 million in 2019, increasing to \$3.94 million in 2022 upon full program implementation. Potential offsets within the early years and child care budget and other Region funded programs to decrease the required Regional investment will be explored through a review of existing programs. The Regional investments required to implement the service delivery model will be brought forward for approval through the annual budget process starting in 2019.

**SERVICE DELIVERY MODEL TO CREATE EQUITABLE ACCES TO HIGH QUALITY EARLYON CHILD AND FAMILY PROGRAMS**

There is no net impact to the 2018 Regional budget as a result of this report; additional funding of \$5.75 million in Early Growth and Development Services capital has been received to support new community-based EarlyON centres.

**CONCLUSION**

The recommended service delivery model builds on the strengths of the current system and increases access to EarlyON centres that deliver high quality early years experiences which will have positive outcomes for the health and well-being of children and families in Peel. The Regional investment in EarlyON centres will support early growth and development by ensuring that every family in Peel has access to the same range of high quality, free EarlyON programs and services, regardless of the community in which they live.



Janice Sheehy, Commissioner of Human Services

**Approved for Submission:**



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D. Szwarc, Chief Administrative Officer

**APPENDICES**

- Appendix I - Recommended Service Delivery Model for Peel's EarlyON Centres
- Appendix II - EarlyON Centres Program Hours – With Regional Involvement
- Appendix III - EarlyON Centres Program Hours – Without Regional Investment

*For further information regarding this report, please contact Suzanne Finn, Director, Early Years and Child Care Services, extension 7242, [Suzanne.Finn@peelregion.ca](mailto:Suzanne.Finn@peelregion.ca).*

*Authored By: Nakiema Palmer and Olivia Nunes  
Approved in Workflow by:*

Financial Support Unit



# Creating Equitable Access to High-Quality EarlyON Child and Family Programs in Peel

EarlyON centres are welcoming places that deliver free programs where:



Children can:

- learn through play
- spend quality time with their families and other children
- enjoy culturally relevant programs



Families can:

- strengthen their relationship with their children and connect with other families
- learn about early child development and the benefits of early literacy, health, nutrition, etc.
- interact with early years staff and get connected with the services they need

Benefits for Families:

- Parents gain confidence in using new parenting strategies that support their child's development
- Children develop skills (physical, emotional, communication & social) that prepare them for school success
- Parents and children are connected to each other, other families, and their community
- Families are connected to the services and opportunities they need to thrive



EarlyON centres build a **Community for Life** where children are supported in achieving their mental and physical potential

## EarlyON Programs and Services

Quality Time in Quality Environments

Direct Referral to Services

Child Development Supports

Community Connections

Ready for School Success

EarlyON centres offer:

- Drop-in Programs
- Information & Referral Services
- Parent & Caregiver Workshops
- Pre & Post-Natal Supports
- Early Learning Programs
- Resource Library
- Child Care Information
- Other services that meet local community needs

Free Access to Information

- Early Child Development
- Early Literacy
- Health / Nutrition
- Child Care Options
- Community Services



# Creating Equitable Access to High-Quality EarlyON Child and Family Programs in Peel

Recommended Service Delivery Model  
 Regional Investment Requested **\$3.94 M (Total) - \$1.53 M in 2019**

## Guiding Principles



Listen to **families** and respond to their **needs**



Align to the expanded **EarlyON mandate**



**Address inequities** in the system



Build on the **strengths** of the system



Make **long-term sustainable decisions**



Minimize service duplication and **maximize efficiencies**

## Equitable Access — Regional Investment Delivers...

↑ **48%**

increased **program hours**



**greater access** to programs for rural communities



**5-minute** drive to programs in urban areas



**15-minute** walk to programs in densely populated communities



**dedicated outreach** to increase program awareness and participation among **vulnerable families**



Enhanced experience for families by providing **choice** and **convenience** to access services regardless of where they live.

## High-Quality Programs — Regional Investment Delivers...

**2 / 60**  
 staff participants

A **qualified staff ratio** that allows for:

- meaningful parental engagement
- appropriate and timely supports

**225** hours per week  
 special needs supports

Access to qualified staff to respond to questions on child development and provide referrals to **specialized services**

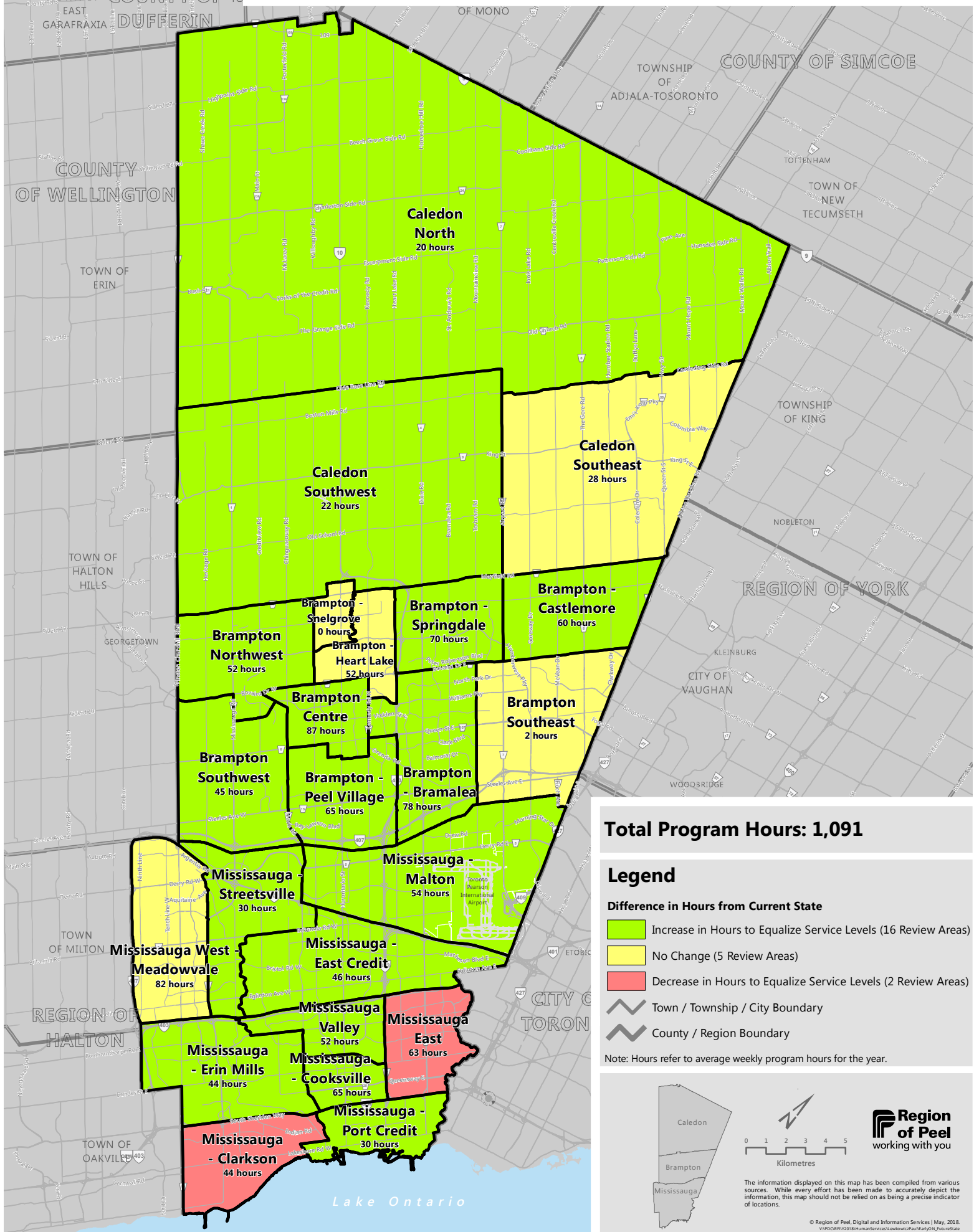


**responsive programs**

**Customized to the needs of individual communities**

in addition to consistent core services

Appendix II: EarlyON Centre Program Hours - With Regional Investment



**Total Program Hours: 1,091**

**Legend**

**Difference in Hours from Current State**

- Increase in Hours to Equalize Service Levels (16 Review Areas)
- No Change (5 Review Areas)
- Decrease in Hours to Equalize Service Levels (2 Review Areas)

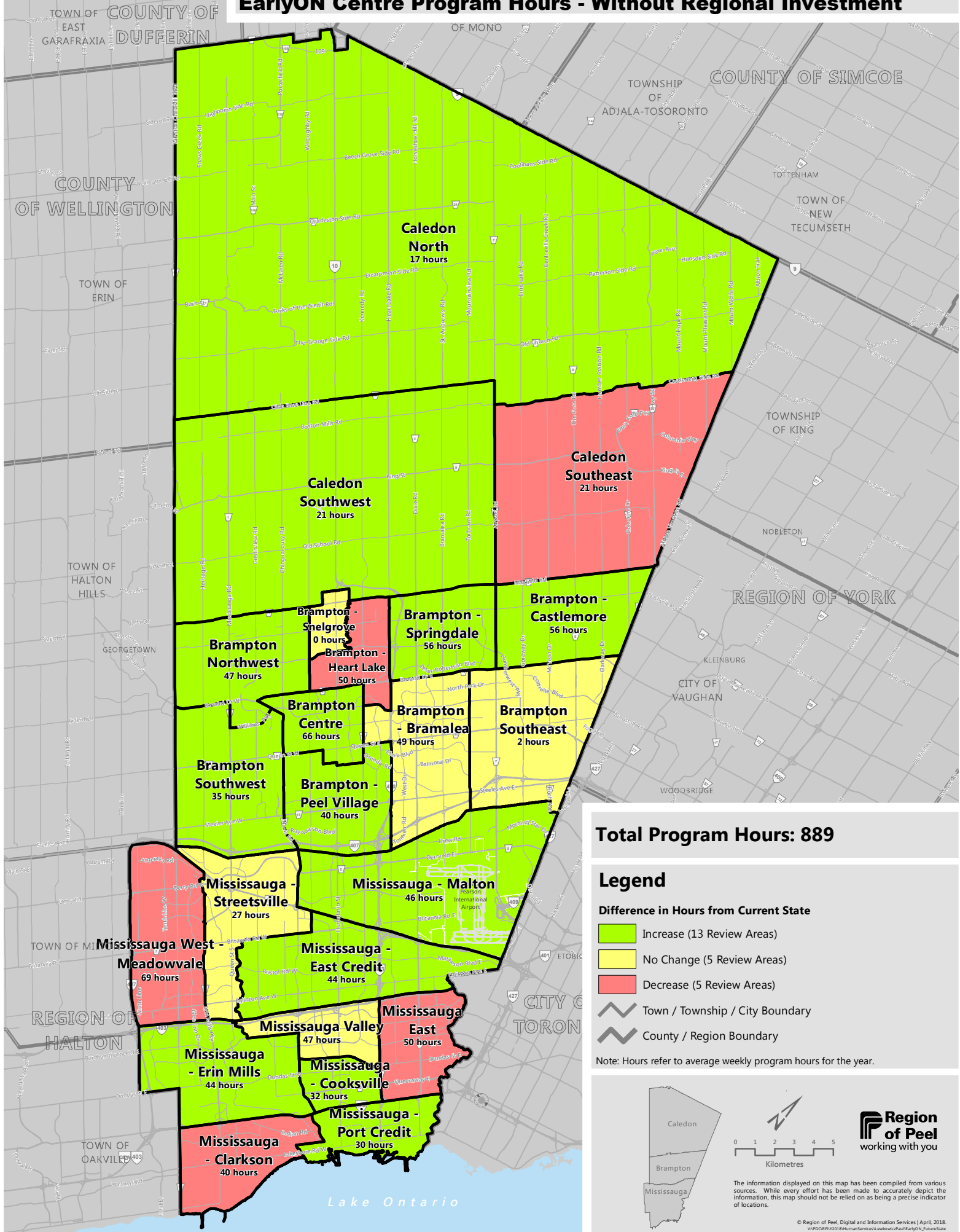
- Town / Township / City Boundary
- County / Region Boundary

Note: Hours refer to average weekly program hours for the year.

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations.

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**EarlyON Centre Program Hours - Without Regional Investment**



**Total Program Hours: 889**

**Legend**

**Difference in Hours from Current State**

- Increase (13 Review Areas)
- No Change (5 Review Areas)
- Decrease (5 Review Areas)

Town / Township / City Boundary  
 County / Region Boundary

Note: Hours refer to average weekly program hours for the year.

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations.

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# **Equitable Access to High-Quality EarlyON Child and Family Programs for Families in Peel**

Regional Council: May 24, 2018

Suzanne Finn, Director, Early Years and Child Care Services  
Lory Wolter, Executive Director, BridgeWay Family Centre

# EarlyON Child and Family Centres



# EarlyON Child and Family Programs: New Mandate for Service System Manager



Responsible to **plan EarlyON locations and programming** for families with children birth to 6 years old



Accountable for the **delivery of free, high-quality, and universal programs** that support early growth and development



Mandated to develop and administer local policies to guide the delivery of **accessible, high-quality programs.**

---

**Aligned to the Region's vision of Community for Life** where everyone has access to the services and opportunities they need to thrive throughout each stage of their lives.

# The EarlyON Experience





# Why Implement a New Service Delivery Model?



Deliver on **expanded Provincial mandate** for EarlyON centres



Respond to child population **growth and other demographic changes** in Peel



Respond to **local needs identified by families**

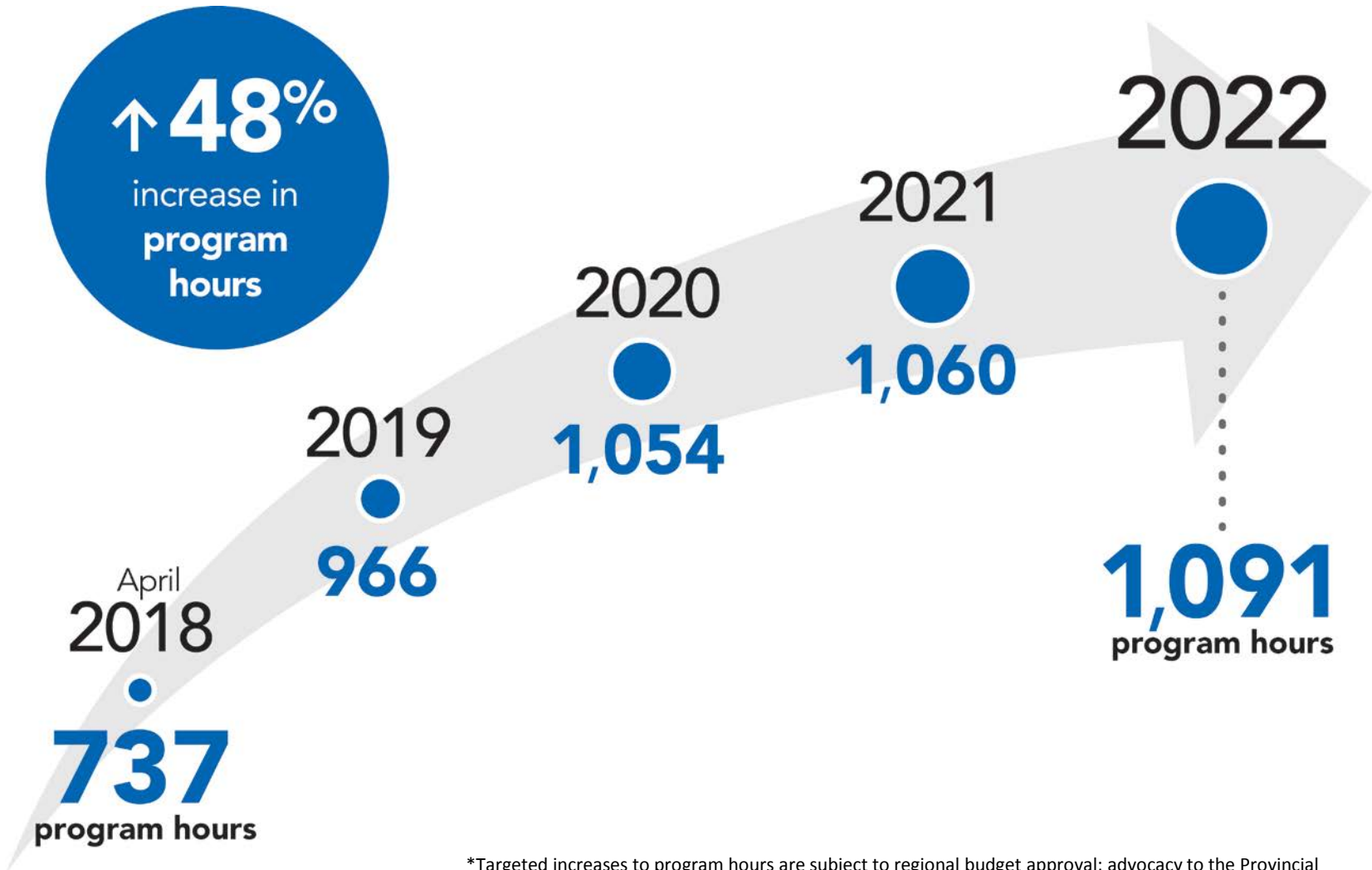


**Stabilize** the system



Create **equitable access** to **high-quality programs**

# Transition Roadmap to 2022



\*Targeted increases to program hours are subject to regional budget approval; advocacy to the Provincial government will be undertaken to address funding requirements.

# Benefits of New Service Delivery Model

↑ **48%**

increased  
**program hours**



**greater access** to  
programs for rural  
communities



**5-minute** drive  
to programs in  
urban areas



**15-minute** walk  
to programs in  
densely populated  
communities



**dedicated outreach**  
to increase program  
awareness and  
participation among  
**non-users** (e.g.  
**vulnerable** families)

**2 / 60**  
staff participants

A **qualified staff ratio** that allows for:

- meaningful parental engagement
- appropriate and timely supports

**225** hours  
per week  
special needs supports

Access to qualified staff to **respond to questions** on child development and **provide referrals** to specialized services



**responsive programs**

**Customized** to the needs of individual communities in addition to **consistent** core services



**For questions or further  
information, please contact:**

**Suzanne Finn**, Director, Early Years and Child Care Services

[suzanne.finn@peelregion.ca](mailto:suzanne.finn@peelregion.ca)

905-791-7800, Ext. 7242



**ITEMS RELATED TO  
ENTERPRISE PROGRAMS  
AND SERVICES**

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DATE: May 9, 2018

REPORT TITLE: **FUNDING OF CAPPED TAX INCREASES - 2018**

FROM: Stephen VanOfwegen, Commissioner of Finance and Chief Financial Officer

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## RECOMMENDATION

**That a by-law to establish a percentage by which tax decreases respecting the commercial, industrial and multi-residential property classes are limited for the 2018 taxation year in order to recover revenue required to fund the capped tax increases of properties in those property classes for that year, be presented for enactment.**

## REPORT HIGHLIGHTS

- Regional Council is required to enact a by-law establishing the clawback factors to be used by the local municipalities in their final property tax billing for this year.
- The 2018 reduction of tax decreases (“clawback factors”) required to fund the cap on tax increases in the capped property classes are: 16.30502% for commercial, 12.99790% for industrial and 3.70367% for the multi-residential class.
- Regional and local municipal finance staff have reviewed and confirmed the calculations to determine the clawback factors.

## DISCUSSION

### 1. Background

#### Funding of Capped Tax Increases

Regional Council at its meeting on May 10, 2018 approved By-law 29-2018 which adopts all applicable optional tools of subsection 329.1 (1) of the *Municipal Act, 2001* (the “Act”), and Ontario Regulation 73/03, as amended, for calculating the amount of taxes payable in respect of property in the commercial, industrial and multi-residential (capped) property classes for 2018. Section 330 of the *Act* allows municipalities to fund the cap for 2018 by limiting tax decreases through clawback factors within each of the capped classes. The optional tools adopted by Council are as follows:

**12.1-2**

**FUNDING OF CAPPED TAX INCREASES - 2018**

1. The annual cap is set at 10 per cent of the prior year’s annualized capped taxes;
2. The upper-limit on the annual tax increase is the greater of the amount calculated under number 1 above or 10 per cent of the property’s previous year’s annualized Current Value Assessment (CVA) based tax;
3. A \$500 threshold is applied to both increasing (capped) properties and decreasing (clawback) properties after application of either 1 or 2 above in order to move all those properties that are within the \$500 threshold to their full CVA based taxes;
4. Properties that reached CVA level taxes in 2017 are eligible to be removed from the capping program for the 2018 taxation year;
5. Properties that cross over from being capped properties in 2017 to clawback properties in 2018 are eligible to be removed from the capping program for the 2018 taxation year;
6. Properties that cross over from being clawback properties in 2017 to capped properties in 2018 are eligible to be removed from the capping program for the 2018 taxation year;
7. Continue with implementation of four-year phase-out programs for the multi-residential and industrial capped property classes (year two of four-year phase-outs); and
8. Exclude reassessment related increases, for the current year, from the capping calculation.

**2. Findings**

**a) 2018 Clawback of Tax Decreases**

Regional and local municipal finance staff agreed to continue to use the Online Property Tax Analysis (OPTA) system for the 2018 capping calculation. Staff worked with OPTA staff to prepare the assessment data as well as the parameters that were used to calculate the 2018 clawback of tax decreases and confirms the 2018 clawback factors as follows:

**Final 2018 Clawback Factors (\$000’s)**

	<b>Commercial Class</b>	<b>Industrial Class</b>	<b>Multi-Residential Class</b>
Capped Taxes \$	\$ (131)	\$ (56)	\$ (2)
Clawback Taxes \$	<u>131</u>	<u>56</u>	<u>2</u>
Surplus / (Shortfall) \$	\$ 0	\$ 0	\$ 0
Properties Capped	27	18	1
Properties Clawed Back	63	35	3
Decrease % Allowed	83.69498%	87.00210%	96.29633%
<b>Clawback %</b>	<b>16.30502%</b>	<b>12.99790%</b>	<b>3.70367%</b>



**FUNDING OF CAPPED TAX INCREASES - 2018**

**b) Capping / Clawback Summary**

It should be noted that for 2018, 0.2 per cent of the properties in the commercial, industrial and multi-residential classes are capped, while 0.6 per cent of properties in these classes will have their tax decreases reduced or “clawed back”. The remaining 99.2 per cent of the properties in the capped classes will pay tax at their full CVA level. The number of properties at full CVA taxation has increased from the 98.8 per cent of properties in 2017. The details of the 2018 capping calculation by local municipality are provided in Appendix I.

**c) Regional Tax Capping By-law Required**

Regional Council is required to pass a by-law if, as recommended, it is to limit the tax decreases on properties in the commercial, industrial and multi-residential classes in order to fund the 2018 capping requirements.

**CONCLUSION**

Regional and local municipal finance staff have reviewed the capping calculation and confirm that the 2018 clawback factors required to fund the 2018 capped increases in the capped property classes are 16.30502 per cent for the commercial class, 12.99790 per cent for the industrial class and 3.70367 per cent for the multi-residential class. Regional Council's enactment of a by-law will permit the local municipalities to apply these clawback factors to their final tax bills for the capped property classes.



Stephen VanOfwegen, Commissioner of Finance and Chief Financial Officer

**Approved for Submission:**



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D. Szwarc, Chief Administrative Officer

**APPENDICES**

Appendix I – 2018 Capping / Clawback Summary

*For further information regarding this report, please contact Stephanie Nagel at extension 7105 or via email at [stephanie.nagel@peelregion.ca](mailto:stephanie.nagel@peelregion.ca).*

*Authored By: Kavita McBain  
Reviewed in workflow by: Legal Services*

APPENDIX I  
FUNDING OF CAPPED TAX INCREASES - 2018

Region of Peel  
2018 Capping/Clawback Summary

	<u>Commercial</u>		<u>Industrial</u>		<u>Multi-residential</u>		<u>Total</u>	
	<u>Properties</u>	<u>\$</u>	<u>Properties</u>	<u>\$</u>	<u>Properties</u>	<u>\$</u>	<u>Properties</u>	<u>\$</u>
<b><u>Capped Tax Increases</u></b>								
Mississauga	7	72,537	3	22,282	1	2,163	11	96,982
Brampton	4	8,472	-	-	-	-	4	8,472
Caledon	16	49,825	15	33,984	-	-	31	83,809
Total Region	<u>27</u>	<u>130,834</u>	<u>18</u>	<u>56,266</u>	<u>1</u>	<u>2,163</u>	<u>46</u>	<u>189,263</u>
<b><u>Clawback of Tax Decreases</u></b>								
Mississauga	51	100,787	22	30,404	-	-	73	131,191
Brampton	10	26,808	10	14,926	3	2,163	23	43,897
Caledon	2	3,239	3	10,936	-	-	5	14,175
Total Region	<u>63</u>	<u>130,834</u>	<u>35</u>	<u>56,266</u>	<u>3</u>	<u>2,163</u>	<u>101</u>	<u>189,263</u>
<b><u>Net Balance</u></b>								
Mississauga		28,250		8,122		(2,163)		34,209
Brampton		18,336		14,926		2,163		35,425
Caledon		(46,586)		(23,048)		-		(69,634)
Total Region		<u>-</u>		<u>-</u>		<u>-</u>		<u>-</u>

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**For Information**


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DATE: May 14, 2018

REPORT TITLE: **2017 TREASURY REPORT**

FROM: Stephen VanOfwegen, Commissioner of Finance and Chief Financial Officer

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**OBJECTIVE**

To provide the annual results of investment activity in accordance with the Region of Peel Investment Policy; and, to provide the annual results of energy commodity hedging performance in accordance with the Energy Commodity Procurement Policy.

**REPORT HIGHLIGHTS**

- All investment transactions during 2017 were in accordance with the Region of Peel's Investment Goals and Policies.
- All commodity price hedging agreements during 2017 were in accordance with the Energy Commodity Procurement Policy.
- The General Fund earned a yield of 2.5% (\$57.7 million) exceeding the benchmark based on Financial Times Stock Exchange (FTSE) Russell fixed income composite index yield by 1.0% (\$22.0 million).
- The \$57.7 million revenue was allocated primarily to Reserves (91%).
- The investment strategy continues to ensure safety of principal and sufficient liquidity to meet the Region of Peel's needs, while maximizing returns.

**DISCUSSION**
**1. Background**

In accordance with Ontario Regulation 438/97 (as amended) of the *Municipal Act, 2001*, and the Region of Peel's ("Region") Investment Goals and Policies, the Treasurer is required to report annually on the Region's investment portfolio, including the performance of the portfolio and its consistency with the Investment Goals and Policies set out by the Region.

Regional Council approved the adoption of the Energy Commodity Procurement Policy which outlines the framework and guidelines of the overarching strategy to manage and mitigate the risks associated with competitive energy markets.

In accordance with Ontario Regulation 653/05 (as amended) of the *Municipal Act, 2001*, and the Region's Energy Commodity Procurement Policy, the Treasurer is required to report annually on the Region's commodity hedging performance.

## 2017 TREASURY REPORT

### 2. Treasurer's Discretionary Authority

Policy F20-05 Investment Goals and Policies provides the Treasurer with discretionary authority to temporarily exceed investment limitations within the Region's Investment Goals and Policies. As reported in the 2016 Treasury Report, the Treasurer used this discretion in 2017 in addition to the following:

- Cash and investments in Government of Canada bonds fell slightly below the 15% minimum in January 2017 to 14.8%. This was resolved immediately the following month. Lower cash balances normally occur at this time of year as levy receipts are low between November and January.
- At the same time, cash and short term investments fell below the 20% minimum between January and July. With the increased portfolio size, the minimum short term holding requirements were higher than required to meet funding needs of the Region.

Revisions to the Investment Goals and Policies were approved by Council at the July 6, 2017 meeting. There were no further instances where the Treasurer exercised this discretionary authority after the approval of the policy changes.

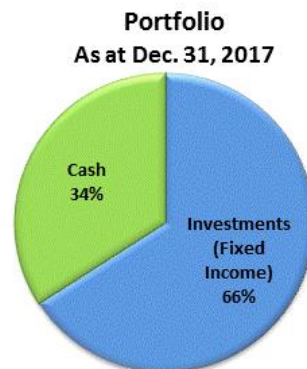
### 3. General Fund

The General Fund is comprised of cash and investments held for working capital, reserves and reserve funds, and other funds of the corporation. It does not include cash or portfolio balances of the Sinking Funds.

#### Investments

- As at December 31, 2017, the amortized book value of the portfolio was \$2,278,675,895, allocated between cash (\$776,566,360) and fixed income investments (\$1,502,109,536) as outlined in Chart A.
- Within the General Fund, the majority of funds are allocated to and/or restricted for specific spending purposes such as Wastewater \$349 million, Housing \$302 million, Water \$188 million, Working Funds \$187 million, Roads \$139 million, Peel Regional Police \$141 million, and Waste Management \$168 million.

**Chart A**



2017 TREASURY REPORT

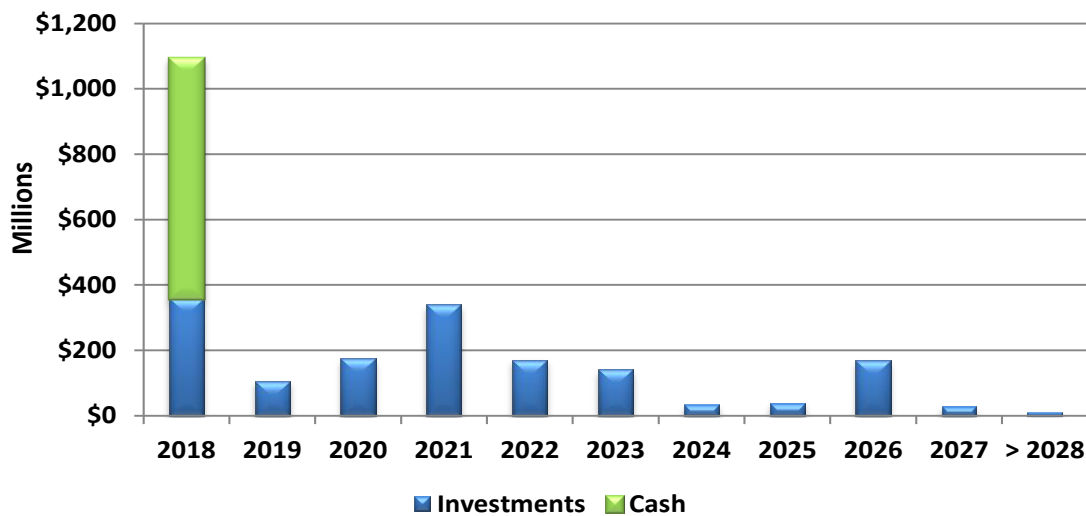
- While the allocation to cash is higher than it was historically, it is primarily due to the forecasted interest rate rise, advantageous deposit rates through the Region’s banking contract making the purchase of short-term investments (12-18 month maturities) less attractive, and the short-term need for cash to fund the development charge projects until debentures are issued.

**Portfolio Maturity**

- At year end, in addition to the readily available cash held by the Region, 16% of investments will be maturing in 2018 as shown in Chart B below.
- Bond maturities, for the most part, are aligned with the expected use of reserves and reserve funds.

**Chart B**

**Portfolio Maturities  
As at Dec 31, 2017**



*\*maturities are expressed using par value*

**Portfolio Distribution**

- Throughout the year, all of the Region’s assets were held in cash or in strong/extremely strong quality investment grade instruments shown in Chart C.
- Approximately 55% of the Region’s funds were invested in government bonds with the majority invested in provincial bonds, and 10% in bonds of Canadian banks as shown in Chart D.

## 2017 TREASURY REPORT

Chart C

**Credit Quality Distribution**  
As at Dec. 31, 2017

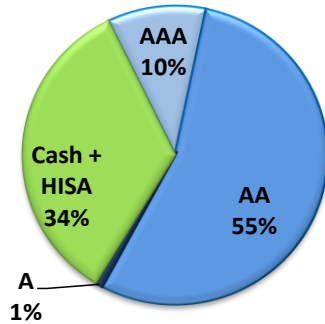
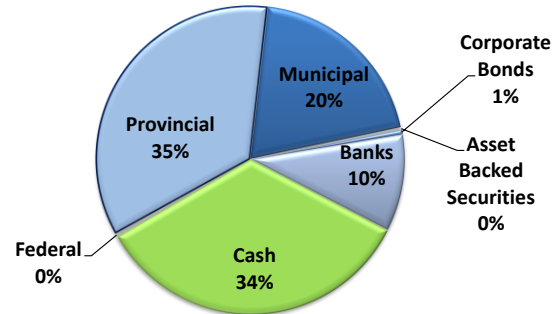


Chart D

**Sector Distribution**  
As at Dec. 31, 2017



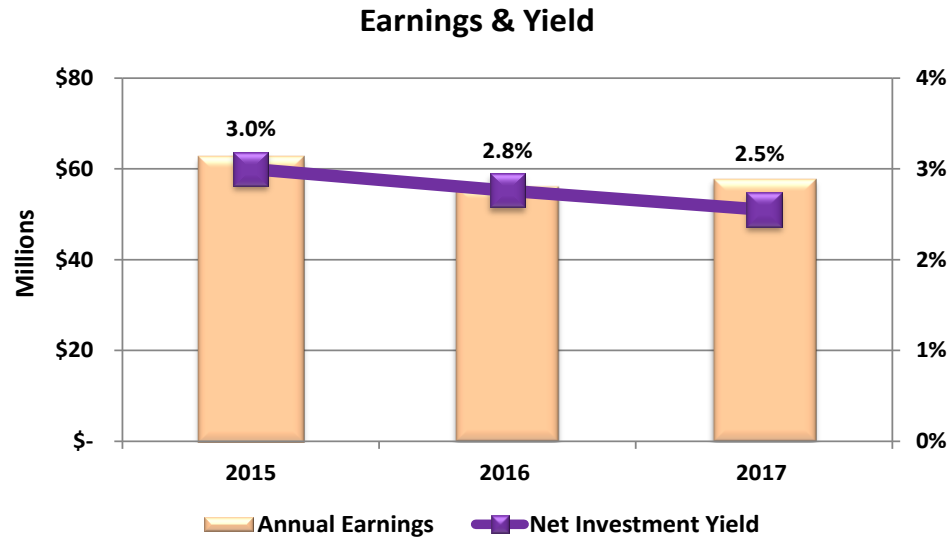
### Portfolio Costs

- The Treasury Division's management expense ratio (MER) was 3.0 basis points (0.030%) in 2017. The MER represents the operational cost relative to the size of the assets under management.
- In comparison, the ONE Fund charges a management fee of 19 basis points (0.19%) for the money market fund, 40 basis points (0.40%) for the bond fund and 45 basis points (0.45%) for the corporate bond fund.
- If the Region were to reinvest the General Fund into ONE Fund's portfolios, assuming a similar allocation, the additional cost is estimated to be 27.8 basis points (0.278%) or an additional annual budget outlay of \$5.9 million.

### Performance

- For the year ending December 31, 2017, the General Fund returned a yield of 2.5% (after MER). This represented annual earnings of \$57.7 million driven primarily from \$40.4 million of interest received/accrued and \$17.3 million of amortized investment premium and discounts.
- The gross fixed income investment yield is based on earned revenues (interest income, realized capital gains/losses, amortized premiums/discounts and securities lending income) as a percentage of the weighted average value net of expenses.

Chart E



- The Region measures its performance against a benchmark consisting of weighted composite returns sourced from the Financial Times Stock Exchange (FTSE) Russell Canadian market indices listed below in Table A.

Table A

**Benchmark - FTSE Russell**

Indices	Benchmark Allocation	Benchmark Yield
Money Market Index	21%	0.05%
Short Term Bond Index (1- 5 years)	51%	0.83%
Mid Term Bond Index (5 - 10 years)	27%	0.63%
Long Term Bond Index (10+ years)	1%	0.03%
	100%	1.54%

Table B

**Performance**

Indices	Benchmark Allocation
ROP Gross Investment Yield	2.54%
Benchmark Yield	1.54%
Value Add	1.00%

## 2017 TREASURY REPORT

- The Region exceeded the benchmark by 1.00% due to short term funds, cash held in bank and less than 1 year maturities. On average 24% of the General Fund was held in cash in 2017 earning an average deposit rate of 1.23%. This far exceeded the short term benchmark return, which consists of T-Bills and Corporate Paper returning 0.71%. Also, the General Fund's short term portfolio held investments with an average yield to maturity of 3.06% which exceed the benchmark. In addition, focus was placed on municipal issues which paid a higher rate in the 3 to 5 year maturity term.

#### 4. Caledon Debt Retirement Fund

The Caledon Debt Retirement Fund was established in 2003. Since that time, the Town of Caledon contributed \$29.0 million to this fund which together with earned interest, covered liability payments (principal and interest) of \$36.7 million.

On December 31, 2016, \$413,743 was remaining in the bank account. In 2017, Caledon's Debt Retirement Fund earned \$7,190 which equates to a yield of 2.5% (earnings rate). This compares to \$77,726 or 2.9% in 2016

These Debt Retirement Fund assets funded \$420,933 or 15.9% of the 2017 Series AD debenture issue liabilities resulting in the wind-up of the Debt Retirement Fund.

Caledon directly funded the \$2.2 million principal payment and \$42,705 interest that was due December 14, 2017. The outstanding debenture liability of \$5.3 million will be funded directly by Caledon until the debenture matures on December 14, 2019.

**Table C**

Date	Payment	DRF Fund	Town of Caledon	Total
Jun. 14, 2017	Interest	\$231,819	\$0	\$231,819
Dec. 14, 2017	Interest	\$189,114	\$42,705	\$231,819
Dec. 14, 2017	Principal	\$0	\$2,179,000	\$2,179,000
Totals		\$420,933	\$2,221,705	\$2,642,638

#### 5. Sinking Funds

The Sinking Fund is under the direction of the Sinking Fund Contribution and Debt Retirement Committee and is comprised of the Treasurers from the three area municipalities, as well as the Regional Treasurer and Director of Corporate Finance as Chair, or their delegates.

The objective of managing the Sinking Fund is to ensure that they are fully funded each year through earnings within the funds and any necessary contributions from participants.



## 2017 TREASURY REPORT

## Investments and Performance

- The investment returns were greater than the target return in all sinking funds in 2017, with the exception of Series EP, shown in Table D. Cash continues to earn the rate of return in the General Fund portfolio.

Table D

Series	Issue Date	Maturity Date	(\$ millions)					Actual Return	Target Return	Earnings Surplus/(Deficit)	
			Annual Provision Pymts	Total Provision Pymts	Holdings					Region of Peel	Town of Caledon
					Investments (Book Value)	Cash	Total				
DQ	Jun 29/10	Jun 29/40	\$8.9	\$62.5	\$67.6	\$1.0	\$68.6	4.1%	4.0%	\$227,191	\$2,472
EB	Oct 06/11	Dec 01/21	\$7.8	\$47.0	\$19.1	\$31.2	\$50.3	2.7%	2.5%	\$828,917	\$2,665
EC	Oct 30/12	Oct 30/42	\$6.8	\$34.2	\$32.8	\$2.8	\$35.6	4.5%	2.5%	\$1,836,602	n/a
EP	Jun 20/13	Jun 20/53	\$0.3	\$1.4	\$0.9	\$0.6	\$1.5	2.8%	4.0%	(\$14,401)	n/a
EQ	Aug 23/13	Dec 02/33	\$9.1	\$36.3	\$27.8	\$9.3	\$37.2	3.9%	3.3%	\$626,240	n/a
FX	Nov 02/16	Nov 02/26	\$13.7	\$13.7	\$13.7	\$0.1	\$13.7	2.6%	2.0%	\$14,128	n/a
<b>Totals</b>			\$46.7	\$195.0	\$161.9	\$44.9	\$206.8				

## 6. Compliance

- Ontario Regulation 438/97 requires that a municipality report on investments held in its own securities. Tables E and F contain details of holdings and transactions throughout 2017.

Table E

## Region of Peel Bonds - Holdings

Date	Par Value		% of Portfolio
	Portfolio <sup>(1)</sup>	RoP Bonds <sup>(2)</sup>	
Dec. 31/17	\$1,851,423,408	\$55,811,000	3.0%
Dec. 31/16	\$2,088,616,008	\$53,855,000	2.6%
Yr. over Yr. Change	(\$237,192,600)	1,956,000	

<sup>(1)</sup> Total of General Fund and the six Sinking Fund portfolios.

<sup>(2)</sup> RoP long term bonds held in portfolios.

- Due to 2017 purchases, relative holdings of the Region's debentures increased by 3.0%.
- During 2017, five purchase transactions, one in the General Fund, two in the Sinking Fund Series DQ and two in the Sinking Fund Series EC, occurred in the Region's debentures.

Table F

## Region of Peel Bonds – Transactions

Portfolio	Transaction	Date	Coupon	Par Value	Price		Yield
					Purchase	Sale	
GF	Purchase	Aug. 04/17	3.85%	\$542,000	106.305		3.473%
GF	Sale	Oct 30/17	3.85%	\$542,000		106.305	3.473%
GF	Maturity	Jun. 29/17	4.00%	\$665,000			4.031%
GF	Maturity	Dec. 14/17	6.65%	\$2,179,000			6.680%
GF	Maturity	Aug. 20/17	1.10%	\$4,000,000			1.032%
Series DQ	Purchase	Jul. 20/17	5.10%	\$5,000,000	128.707		3.305%
Series DQ	Purchase	Jul. 31/17	5.10%	\$2,300,000	126.904		3.400%
Series EB	None						
Series EC	Purchase	Aug. 04/17	3.85%	\$958,000	106.305		3.473%
Series EC	Purchase	Oct. 30/17	3.85%	\$542,000	106.305		3.473%
Series EP	None						
Series EQ	None						
Series FX	None						

- During 2017, the General Fund and each Sinking Fund portfolio was in compliance with all regulatory and policy requirements.

## 7. Debt

- As at the end of December, Region of Peel had outstanding debt totalling \$1.4 billion of net own-purpose debt, including \$173.7 million in Peel Housing Corporation's social housing mortgages.
- In 2017, the Region did not issue debt on its own behalf. However, in September \$38.9 million was issued for the City of Mississauga. As of December 31, 2017 the Region's issued and outstanding net own-purpose debt totaled \$1.4 billion, detailed as follows:

## 2017 TREASURY REPORT

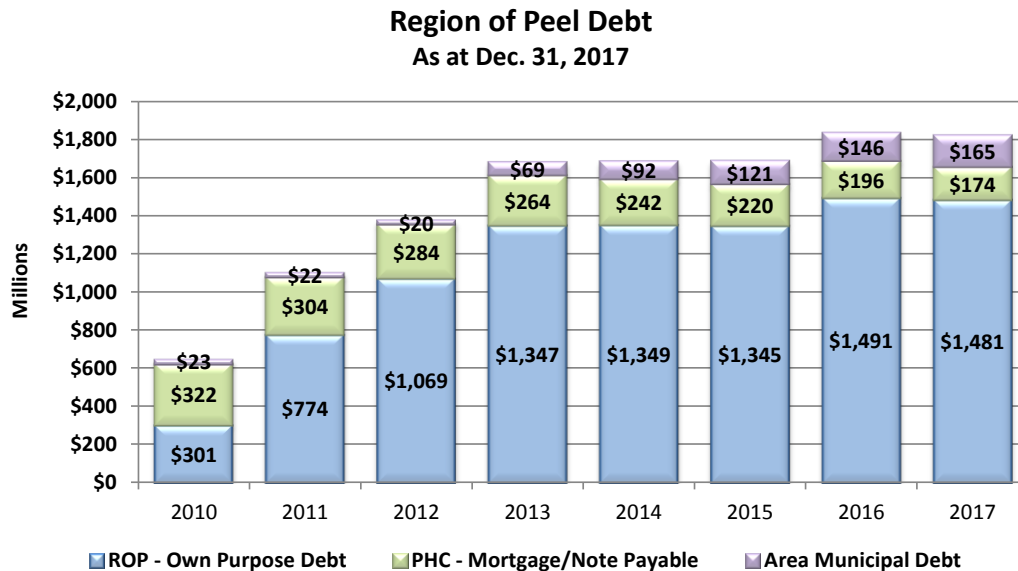
Table G

## Region of Peel Debt as at December 31, 2017

Date Issued	Issued for	Description	2017	2016
28-Sep-17	Mississauga	Series FY - GH	\$38,853,000	\$0
02-Nov-16	Region of Peel	Series FX	\$150,000,000	\$150,000,000
01-Jun-16	Caledon	Series FM - FW	\$2,790,000	\$3,100,000
01-Jun-16	Mississauga	Series FM - FW	\$33,500,000	\$37,584,000
20-Aug-15	Mississauga	Series FB - FL	\$32,000,000	\$36,000,000
10-Jun-14	Mississauga	Series ER - FA	\$24,142,000	\$27,963,000
23-Aug-13	Region of Peel	Series EQ	\$250,000,000	\$250,000,000
20-Jun-13	Region of Peel	Series EP	\$33,000,000	\$33,000,000
20-Jun-13	Mississauga	Series ED - EN	\$27,400,000	\$32,900,000
30-Oct-12	Region of Peel	Series EC	\$300,000,000	\$300,000,000
04-Nov-11	Region of Peel	FCM	\$2,962,290	\$3,143,988
06-Oct-11	Region of Peel	Series EB	\$199,358,912	\$199,358,912
06-Oct-11	Caledon - Series EB	Series EB	\$641,088	\$641,088
01-Feb-11	Region of Peel	CMHC	\$52,237,340	\$54,994,021
29-Jun-10	Region of Peel	Series DQ	\$499,567,304	\$499,567,183
29-Jun-10	Caledon	Series DQ	\$432,696	\$432,817
29-Jun-10	Region of Peel	Series DR - EA	\$3,000,000	\$4,000,000
09-Nov-01	Region of Peel	CMHC	\$0	\$33,333
14-Dec-99	Caledon	Series AD	\$4,793,000	\$6,972,000
<b>Gross Region of Peel Debentures</b>			<b>\$1,654,677,630</b>	<b>\$1,639,690,342</b>
Mortgages payable by Peel Housing Corporation			\$173,721,143	\$195,891,103
<b>Total Outstanding</b>			<b>\$1,828,398,773</b>	<b>\$1,835,581,445</b>
<b>Less:</b>	Region's sinking fund deposits		<b>-\$215,484,030</b>	<b>-\$161,972,602</b>
			\$1,612,914,743	\$1,673,608,843
<b>Less:</b>	Mississauga		<b>-\$155,895,000</b>	<b>-\$134,447,000</b>
	Caledon*		<b>-\$8,637,406</b>	<b>-\$11,136,261</b>
<b>Net Region own-purpose Debt</b>			<b>\$1,448,382,337</b>	<b>\$1,528,025,582</b>

\* Impact of Coleraine Road included.

Chart F



- In 2017, the Region did not issue external debt for its own purposes, resulting in an \$85.2 million decrease in net debt (debenture and mortgage principal and Sinking Fund provision payments).
- At year-end, the Region had internal borrowings of \$33.9 million to fund capital construction in social housing.
- The Development Charges Reserve Funds' balance at year end was a surplus of \$44.6 million. Over the course of 2017 the reserve fund balance decreased by \$69.5 million.

## 8. Energy Procurement Performance

The objectives of the Energy Commodity Procurement Policy are to establish commodity price hedging agreements that ensure regulatory compliance, provide financial flexibility and maximize procurement opportunities. In accordance with Ontario Regulation 653/05 (as amended) of the *Municipal Act, 2001*, and the Energy Commodity Procurement Policy, the Treasurer is required to annually apprise Council of the commodity hedging performance.

### Electricity

In September of 2014, the Region purchased a 10% hedge for electricity for calendar year 2017 to mitigate risks of rate volatility. No additional hedge volumes were procured after that because subsequent projections showed that 2017 market conditions would be relatively stable. The 10% hedge of approximately 43.8 million kWh was purchased at \$0.03375/kWh inclusive of transaction fees, or a total of approximately \$1.47million. The risk mitigated where the spot prices (Hourly Ontario Electricity Price or HOEP) exceeded the fixed hedge price totalled approximately \$136,000. The HOEP exceeded the fixed price only 15% of the time in 2017 (fairly stable market), which allowed the Region to take advantage of the low spot market prices.

## 2017 TREASURY REPORT

**Natural Gas**

The Region hedged 44% of its approximately 15.5 million m<sup>3</sup> of natural gas requirements for 2017. The hedge volume of 6.89 million m<sup>3</sup> was purchased from both the Region's gas supplier and the Housing Services Corporation at various delivery points at an average price of \$0.1597/m<sup>3</sup> inclusive of transaction fees, or a total of approximately \$1.1 million. The total risk mitigated from volatility in the natural gas market for the year was approximately \$251,000.

The fixed price hedge volumes for electricity and natural gas that were purchased for 2017 were consistent with the Region's policies and goals to address risks on commodity price volatility.

**9. Cash Management Strategy – Update**

On May 25, 2017, Audit and Risk Committee adopted a new Cash Management Strategy that was subsequently approved by Council on June 8, 2017. The strategy is aligned to the Region's risk tolerance and identifies opportunities to improve and enhance current Treasury practices with an expectation to generate additional investment returns and reduce borrowing costs.

The project outcomes identified to Audit and Risk Committee were as follows:

- Redefine the Treasury function's mandate
- Enhance the Treasury function's practices
- Increase the potential to generate greater financial returns

The Region retained Deloitte to assist with operationalizing the plan and staff is working with Deloitte to implement the plan. The current phase will address the organizational and process changes which are largely expected to be in place by year end 2018. Any changes to the current policies will be brought forward to Council early in the new term. The technology considerations for the Treasury implementation plan will be part of the broader Enterprise Resource Planning strategy.

**10. Prudent Investor Status – Update**

In May 2017, Bill 68 *Modernizing Ontario's Municipal Legislation Act* received Royal Assent in the legislature. The Bill made a number of changes to the *Municipal Act, 2001* including the extension of the Prudent Investor Standard (the "Standard") to qualifying municipalities (including the Region), which became enabled through the passing of O. Reg. 588/17.

Previously, municipal investment activities were solely regulated through O. Reg. 438/97: *Eligible Investments and Related Financial Agreements*, which restricts municipal investments to highly rated Canadian bonds, money market instruments and other similar debt instruments.

**2017 TREASURY REPORT**

The Standard, however, allows municipalities greater investment authority than what was previously prescribed under the *Municipal Act, 2001*. The *Trustee Act* stipulates the provisions for the Standard which can be generally viewed as a non-prescriptive, broad authority to invest as a 'prudent person' would. The *Trustee Act* outlines that a Prudent Investor must:

- view risk within the context of their total portfolio;
- make investments in view of the unique circumstances of the beneficiary;
- diversify portfolio investments across assets;
- make investments with a view toward the impact of inflation; and,
- consider total return of the investments.

Through the passing of the Regulation, municipalities now have the option to continue to invest through the prescribed list, or choose to expand their investment opportunities by participating in the Standard. By utilizing a Prudent framework, municipalities are able to generate potentially greater investment returns.

To best understand the implications of implementing a Prudent Investor framework in Peel, staff are working to evaluate options for implementation. Staff will also work with our municipal partners at the City of Toronto and other municipalities to assess best practices and lessons learned in the implementation of the Standard. Regional staff will also continue to collaborate with our local municipal partners to support the assessment of approaches to implementing the Standard in Peel.

Staff will seek to report back to Regional Council in the coming months with a more thorough analysis of changes to the regulation related to the Standard. The initial analysis will include an assessment of the risks and merits in undertaking the new investment model. Following this review, staff and Council will have the information necessary to inform the extent to our participation in the Standard.

**11. Treasurer's Comments**

It is the opinion of the Treasurer and Director of Corporate Finance that all transactions during 2017 were in compliance with the Region's Investment Goals and Policies and Ontario Regulation 438/97 in regards to investments, as well as the Region's Energy Commodity Procurement Policy and Ontario Regulation 653/05 in regards to commodity hedging, and that this report satisfies the Treasurer's legislative requirements per Ontario Regulations 438/97 and 653/05.

**FINANCIAL IMPLICATIONS**

The revenue generated through investment activities in 2017 was allocated to reserves (91%), operations (6%) and some non-program Regional bank accounts (3%).

2017 TREASURY REPORT

CONCLUSION

The Region's Investment Goals and Policies provide the Region with an effective and efficient investment management operation which maximizes the rate of return on investment while ensuring safety of principal and liquidity.



Stephen VanOfwegen, Commissioner of Finance and Chief Financial Officer

Approved for Submission:



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D. Szwarc, Chief Administrative Officer

*For more information, please contact Julie Pittini, Director of Treasury Services, extension 7120, or at [julie.pittini@peelregion.ca](mailto:julie.pittini@peelregion.ca).*

*Authored by: Debbie Williams*

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DATE: May 14, 2018

REPORT TITLE: **MUNICIPALITIES FOR CLIMATE INNOVATION PROGRAM FUND APPLICATION**

FROM: Lorraine Graham-Watson, Commissioner of Corporate Services

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## **RECOMMENDATION**

**That the funding application to the Federation of Canadian Municipalities by the Toronto and Region Conservation Authority in partnership with the Region of Peel and the City of Brampton, identified in the report of the Commissioner of Corporate Services titled, “Municipalities for Climate Innovation Program Fund Application”, be supported.**

### **REPORT HIGHLIGHTS**

- The Region of Peel has been working with community partners to adapt to and mitigate the effects of climate change.
- The Federation of Canadian Municipalities announced the Municipalities for Climate Innovation Program (the “Program”) to help municipal partners fund climate change mitigation and climate adaptation studies.
- The Project that is the subject of the application supports Region of Peel climate change priorities and takes a neighbourhood-based approach to adaptation planning and reducing vulnerabilities in Peel.
- The Region of Peel, with the Toronto and Region Conservation Authority and the City of Brampton, is applying to the Program to help fund the Project.

## **DISCUSSION**

### **1. Background**

The Region of Peel has been working with community partners, the City of Brampton, City of Mississauga, Town of Caledon, Credit Valley Conservation Authority, and the Toronto and Region Conservation Authority (TRCA) as the Community Climate Change Partnership (the “Partnership”) to collectively adapt to and mitigate the effects of climate change.

In 2018, the Partnership developed a Climate Change Partnership Plan (the “Plan”) targeting specific areas for action that will have greater collective impact through collaboration. The Plan consists of the following four strategies:



## MUNICIPALITIES FOR CLIMATE INNOVATION PROGRAM FUND APPLICATION

1. Low Carbon Communities aiming to reduce community greenhouse gas emissions,
2. Flood Resiliency aiming to reduce flood risk in high risk areas,
3. Green Natural Infrastructure aiming to increase canopy cover in high risk areas, and
4. Public Education and awareness initiatives that aim to increase public knowledge as well as emphasize our commitment to responding to climate change at the community level.

### 2. Municipalities for Climate Innovation Program Fund

The Federation of Canadian Municipalities (FCM) announced the Program to help municipal partners fund climate change mitigation and climate adaptation studies.

The Program is a five-year, \$75-million program that helps municipalities prepare for, and adapt to, climate change and reduce emissions of greenhouse gases (GHGs). Delivered by the FCM and funded by the Government of Canada, the Program is available to all municipalities and their partners.

The Program aims to maximize the impacts of new federal investments in municipal infrastructure. During its five-year lifespan, the Program will enable more than 600 municipalities and partner organizations to build their capacity to reduce GHG emissions and adapt to climate change.

Depending on the type of project, there are different FCM-Program funding streams with different application requirements. For this particular funding application a Council resolution is required.

Therefore, Council approval is being sought for the recommended FCM-Program fund application.

### 3. The Neighbourhood-Based Vulnerability Assessment and Adaptation Plan for County Court, Brampton (the “Project”)

TRCA has led the development of the Program application (a copy of the application is available from the Office of the Regional Clerk for viewing) and proposed Project. The main goal of the Project is taking a neighbourhood-based approach to adaptation planning and reducing climate change vulnerabilities in Peel.

The Project approach will reduce vulnerabilities associated with heat stress and align with current work in the County Court neighbourhood utilizing adaptation strategies consistent with those identified by the Environmental Protection Agency. These strategies include:

- implementing heat reduction strategies (e.g. urban forest, cool pavement, green roofs),
- establishing cooling centres,
- providing emergency notification and well-being checks, and
- developing an emergency heat plan to prepare services for heat events.

**MUNICIPALITIES FOR CLIMATE INNOVATION PROGRAM FUND APPLICATION**

The Project study will:


- draw from available municipal-scale sector-based vulnerability mapping,
- refine it by drawing on local knowledge and risk perceptions of local stakeholders, and
- collaboratively develop adaptation recommendations that can be integrated with the next phase of retrofit projects and programs.

The Project is in alignment with the strategic outcomes of the Green Natural Infrastructure component of the Partnership Plan and the Region’s Term of Council Priority to mitigate and adapt to the effects of climate change.

**FINANCIAL IMPLICATIONS**

There are no financial implications to the Region of Peel for this Project. The Project will be spearheaded by TRCA with a proposed budget of \$100,000 to be funded from the following sources:

- \$80,000 Program grant,
- \$15,000 cash contribution from TRCA from existing capital funds,
- \$2,500 in-kind contribution from the City of Brampton to include staff participation in project management, team meetings and workshops for the duration of the Project, and
- \$2,500 in-kind contribution from the Region of Peel to include staff participation in project management, team meetings and workshops for the duration of the Project.



Lorraine Graham-Watson, Commissioner of Corporate Services

**Approved for Submission:**



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D. Szwarc, Chief Administrative Officer

*For further information regarding this report, please contact Sara Annou, Program Support Analyst, Office of Climate Change and Energy Management.*

*Authored By: Sara Annou*

*Reviewed in workflow by:  
Financial Support Unit*

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**For Information**


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DATE: May 11, 2018

REPORT TITLE: **2018 REGION OF PEEL CORPORATE SOCIAL RESPONSIBILITY STRATEGY ANNUAL UPDATE REPORT**

FROM: Lorraine Graham-Watson, Commissioner of Corporate Services

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**OBJECTIVE**

To provide Council with an update on performance related to the Region's Corporate Social Responsibility Strategy for the period of June 2017 to May 2018.

**REPORT HIGHLIGHTS**

- On June 22, 2017, Regional Council endorsed the Region's Corporate Social Responsibility Strategy (the "strategy").
- The long term outcome of the strategy is to ensure that the Region's operating practices achieve social, economic and environmental benefits for the Peel community.
- At the end of year one of the strategy implementation, a number of initiatives are in place or under development.

**DISCUSSION**
**1. Background**

Corporate Social Responsibility (CSR) is defined as the voluntary activities undertaken by an organization to operate in an environmentally, economically and socially sustainable manner (Government of Canada, Global Affairs Canada). On June 22, 2017, Regional Council endorsed the Region's CSR strategy under resolution 2017-533. As well, under Council resolution 2017-532, staff were directed to investigate the feasibility and implications of incorporating Cornerstone Standards Council certification as part of the Region's CSR aggregate procurement practices, and report findings to Regional Council.

The strategy includes the following scope statement for the Region's CSR function: "Improving the environmental and social well-being of the community through our operating practices." The strategy does not direct work; rather it lends a perspective to how we conduct our operating practices. The long term outcome of the strategy is to ensure the Region's operating practices achieve the following long-term desired outcomes:

## 2018 REGION OF PEEL CORPORATE SOCIAL RESPONSIBILITY STRATEGY ANNUAL UPDATE REPORT

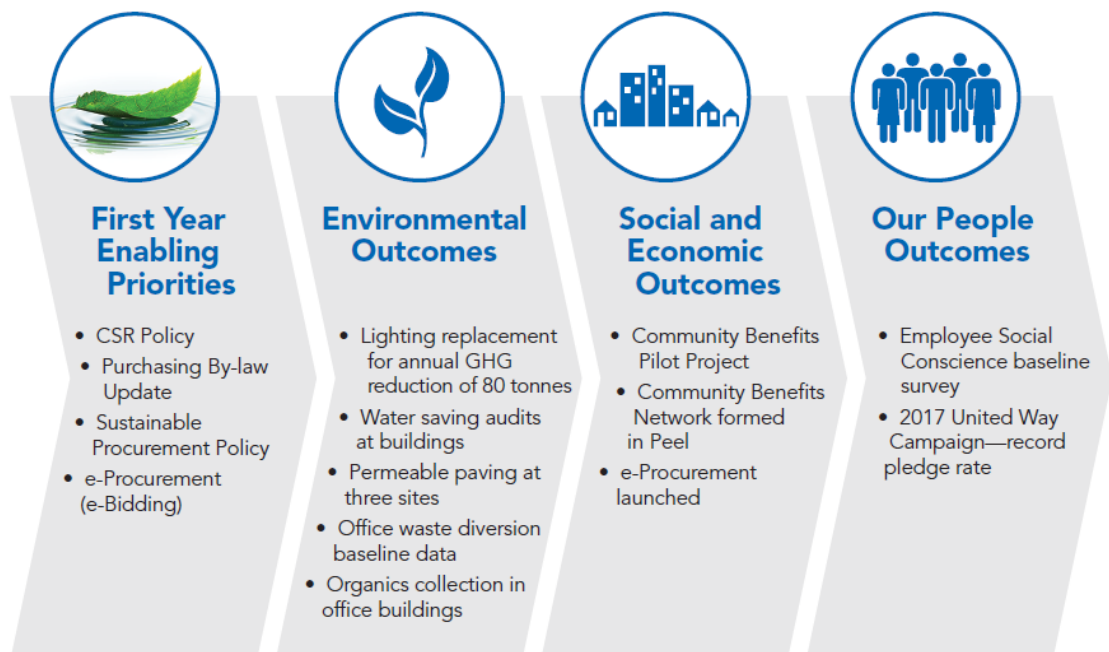
- **Environment:** Our environmental footprint will be minimized through our business operating practices.
- **Our People:** We will improve as a model employer through our business and operating practices.
- **Social and Economic:** Our procurement practices will result in increased social and economic benefits for the Peel community.

### 2. CSR Progress at the Region of Peel

The high-level, five-year strategy implementation plan is outlined in Appendix I. In the first year of the strategy, strides were made in many areas. These accomplishments are highlighted below and are detailed in Appendix II.

## Progress on Outcomes 2017–2018

Corporate Social Responsibility (CSR) at the Region of Peel: Improving the environmental, social and economic well-being of the Peel community.



#### a) Enabling Priorities for CSR Strategy Implementation

Examples of year one achievements include:

- A Measurement and Evaluation Framework was developed to evaluate the impact of initiatives within the strategy.
- The updated Procurement By-law enables CSR progress by promoting practices reflecting sustainable procurement, including consideration of social, environmental and economic factors. The recommended By-law was presented to Regional Council for enactment on May 10, 2018.

## 2018 REGION OF PEEL CORPORATE SOCIAL RESPONSIBILITY STRATEGY ANNUAL UPDATE REPORT

- An operational Sustainable Procurement Policy (the “Policy”) is under development and will support the Strategy objectives and outcomes. The Policy outlines guiding principles, responsibilities and considerations for all staff when procuring goods and services. Policy implementation is anticipated commencing in Q4 2018.
- An operational CSR Policy and Guideline are under development to facilitate all staff employing CSR.
- The March 2018 eProcurement (e-Bidding) initiative launch is enabling greater efficiencies for Regional staff and vendors during the procurement process, reducing the community’s and Region’s corporate carbon footprint as well as overall costs to the Region.

### **b) Corporate Green House Gas (GHG) Emissions**

In response to the urgent need to respond to climate change at the local level, the Community Climate Change Partnership (CCCP) formed as a collaborative between the Region of Peel, City of Brampton, City of Mississauga, the Town of Caledon, Credit Valley Conservation and the Toronto and Region Conservation Authority. The CCCP envisions a shift to greener lifestyles, embracing a low carbon economy, and enhancing and protecting the Region’s natural heritage system.

The Region of Peel’s Green Fleet Strategy (see report titled, “The Region of Peel’s Green Fleet Strategy” on the Regional Council agenda dated May 24, 2018) will enable the formalization of internal processes and practices related to fleet composition and environmental performance. Implementation of the Strategy will make possible the acceleration of emissions reductions toward the Region’s GHG reduction target.

### **c) Increased Building Space Utilization**

Modernizing the workplace and supporting new space standards will allow the Region to accommodate future growth in staff numbers while minimizing our administrative environmental footprint and GHG emissions through; for example, mobile workers, desk sharing, and decreasing reliance on paper.

### **d) Increased Water Efficiency**

Water efficiencies were implemented in Regional facilities. These efficiencies include landscape irrigation system upgrades at 7120 Hurontario Street for an annual savings of 686 m<sup>3</sup> of water, plus audits of water usage elsewhere to identify savings opportunities.

### **e) Increased Storm Water Management at Facilities**

During the 2017/2018 year, several low impact development projects took place on Peel sites. These included permeable paving at three sites; installation of five fusion gardens; transmission system upgrades, including process overflow of reservoirs; and working actively with conservation authorities to develop storm water solutions.

### **f) Increased Waste Reduction and Diversion**

Initiatives are underway to improve waste reduction and diversion rates for operating practices and employee common spaces at 10 Peel Centre Drive, 7120 Hurontario Street, and the five Long Term Care (LTC) homes. Organic waste diversion is addressed at five LTC Homes with bins for collection of organic waste and incontinence products.

## 2018 REGION OF PEEL CORPORATE SOCIAL RESPONSIBILITY STRATEGY ANNUAL UPDATE REPORT

### g) **Increased Employee Social Responsibility**

Many Regional employees spend their personal time volunteering and offering financial support privately within the community. A clear demonstration of employee social responsibility is evident in the success of the employee 2017 United Way Campaign which achieved the highest pledge participation rate of any Campaign held to date.

### h) **Increased Social and Community Benefits through Business Operations and Vendor Partnerships**

As part of the Term of Council Priority (ToCP) Reduce Poverty – Community Benefits, staff are conducting a pilot program to test the suitability of an approach to working with existing Regional vendors to increase employment opportunities for low income residents. Vendor interest and engagement is being monitored. Outcomes and lessons learned from this pilot will inform next steps for this initiative.

As participants in the Peel Community Benefits Network, staff worked collaboratively with Metrolinx, area municipalities, residents and community organizations to develop and implement a Community Benefits Agreement model for the Hurontario Light Rail Transit (HuLRT). Staff are also partnering with the Peel Poverty Reduction Strategy Committee to investigate a living wage initiative in Peel.

### i) **Certifications in Support of CSR at the Region of Peel**

Opportunities to achieve CSR-related certifications are slated for investigation in years two and three (2019 and 2020) of the strategy implementation. In response to Council direction, staff investigated the feasibility and implications of incorporating Cornerstone Standards Council (CSC) certification as part of the Region's procurement practices for aggregate materials. Staff investigation included an environmental scan of reaction to the CSC certification by various Ontario municipalities. The CSC certification program is still in its early stages, and further analysis of findings and financial implications is required prior to including mandatory requirements and evaluation criteria regarding CSC certification. Staff will monitor CSC-related certifications for evidence of positive outcomes and will report to Council on findings and any recommendations in 2020 as part of a broader review of certifications.

## 3. **Summary and Next Steps**

Many positive CSR strides have been made in the past year. Research, monitoring and reporting will continue to inform future directions of the strategy. The Region of Peel current state will continue to be assessed according to the desired outcomes under the three Strategy pillars: Environment, Social and Economic, and Our People.

## **FINANCIAL IMPLICATIONS**

The strategy has no direct financial impact as initiatives are embedded in program area annual budgets. Initiatives and tactics are considered in terms of overall affordability to the taxpayer, consistent with the Region of Peel's Long Term Financial Planning Strategy.

**2018 REGION OF PEEL CORPORATE SOCIAL RESPONSIBILITY STRATEGY ANNUAL UPDATE REPORT**

**CONCLUSION**

Corporate Social Responsibility is beneficial to the well-being of the Peel community. At the end of year one of strategy implementation, a number of initiatives are in place or under development. Staff will continue to report annually to Council on progress in implementing the strategy.



Lorraine Graham-Watson, Commissioner of Corporate Services

**Approved for Submission:**



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D. Szwarc, Chief Administrative Officer

**APPENDICES**

Appendix I - Corporate Social Responsibility Strategy High Level Implementation Plan

Appendix II - Strategy Outcome Performance Details: June 2017- May 2018

*For further information regarding this report, please contact Kathryn Lockyer, Regional Clerk, Extension 4325, [kathryn.lockyer@peelregion.ca](mailto:kathryn.lockyer@peelregion.ca).*

*Authored By: Judy Labelle, Advisor Corporate Social Responsibility*

*Reviewed in workflow by:*

Purchasing

Financial Support Unit

**APPENDIX I  
2018 REGION OF PEEL CORPORATE SOCIAL RESPONSIBILITY STRATEGY ANNUAL  
UPDATE REPORT**

**Corporate Social Responsibility Strategy High Level Implementation Plan**

Corporate Social Responsibility (CSR) Strategy execution is driven by first fostering internal employee engagement and collaboration then focusing on external networks and partnerships to determine and communicate local environmental, economic and social opportunities and solutions. The Strategy will be reviewed every five years. A high-level, five-year implementation plan, endorsed by Regional Council June, 2017 is outlined below.

**Short-term Plan (Year One and Two):**

- Develop and implement a sustainable procurement policy.
- Develop and implement a CSR Evaluation Framework.
- Update the Purchasing By-Law (2018) including policy and guideline changes and opportunities as they relate to sustainable, environmental and social procurement.
- Develop, implement and build upon strategies to increase the level of employee social conscience.
- Implement recently developed building efficiency standards (e.g. Leadership in Energy and Environmental Design (LEED)-type standards).

**Medium-term Plan (Two to Three Years):**

- Transform existing Sustainable Procurement Considerations into guidelines for implementation and evaluation.
- Implement and evaluate community benefits with vendors to support unemployed individuals living in Peel.
- Amend and implement existing Vendor Code of Conduct and vendor performance management program to align with CSR principles.
- Investigate opportunities to achieve CSR-related certification and determine implications for the Region.
- Establish the Peel Anchor Institution Network. The Region will share its CSR experiences with other anchor institutions stakeholders within the Region of Peel to improve CSR performance regionally. The Peel Anchor Institution Network might include but not be limited to other large public and not-for-profit organizations in Peel Region.

**Medium to Long Term Plan (Three to Five Years):**

- Investigate the topics of living wage, wage security, fair wage, and improving employment security for future consideration as the Strategy progresses.
- Explore additional social procurement opportunities, including social enterprises as addressed in Council Resolution 2016-480 and report back to Regional Council with findings regarding the needs, opportunities, costs and impacts for Peel.
- Investigate topic of precarious employment by the Region of Peel and vendors/contractors for Regional contracts as findings will inform future policy development.
- Continue to research the benefits and costs of Certificate of Recognition (COR) certification as a mandatory procurement requirement for contractors bidding on Regional work. Lessons learned from other similar municipal, government entities and utilities will be an important consideration.



Strategy Outcome Performance Details: June 2017- May 2018

# Progress on Outcomes 2017–2018

Corporate Social Responsibility (CSR) at the Region of Peel: Improving the environmental, social and economic well-being of the Peel community.



## First Year Enabling Priorities

- CSR Policy
- Purchasing By-law Update
- Sustainable Procurement Policy
- e-Procurement (e-Bidding)



## Environmental Outcomes

- Lighting replacement for annual GHG reduction of 80 tonnes
- Water saving audits at buildings
- Permeable paving at three sites
- Office waste diversion baseline data
- Organics collection in office buildings



## Social and Economic Outcomes

- Community Benefits Pilot Project
- Community Benefits Network formed in Peel
- e-Procurement launched



## Our People Outcomes

- Employee Social Conscience baseline survey
- 2017 United Way Campaign—record pledge rate

Strategy Outcome Performance Details: June 2017- May 2018


Region of Peel’s Corporate Social Responsibility (CSR) Strategy Pillars




**ENVIRONMENT:** In the future, our environmental footprint will be minimized through our business operating practices.

**SOCIAL AND ECONOMIC:** In the future, our economic activities will result in increased social and economic benefits for the Peel community.



**OUR PEOPLE:** In the future, we will improve as a model employer through our business and operating practices.

Corporate Social Responsibility (CSR) Strategy Outcome Performance Details: June 2017- May 2018	
Enabling Priorities	Status of CSR Strategy Enabling Priorities 
A. CSR Policy and Guidelines	A. A CSR Policy and Guidelines are under development and will establish a lens for guiding business operating decisions. The policy will be completed in Q3 2018.
B. CSR Policy Implementation	B. Policy and Guidelines implementation—to be rolled out across organization in Q3 and Q4.
C. Purchasing By-law Update	C. The updated By-law will be presented to Regional Council for enactment in June 2018. One guiding principle in the revised By-law is to promote practices reflecting sustainable procurement, including consideration of social, environmental and economic factors.
D. Sustainable Procurement Policy & Guidelines	D. Policy developed; guidelines under development. Commence Policy implementation Q4 of 2018 and onward.
E. e-Procurement (e-Bidding)	E. The launch of e-Bidding in March 2018 enables greater efficiencies for Regional staff and vendors. A reduction is expected in the number of documents printed before and after the bidding phase, thereby reducing expenses related to postage, shipment costs and space otherwise required to store documents. The Region received approximately 1789 paper based submissions in 2017. With online submissions, the Region is reducing this paper count, as well diverting up to 1789 vehicles and associated emissions which are no longer required to travel to the Region’s Headquarters to submit bids. This creates efficiencies and reduces the community’s and Region’s corporate carbon footprint.


Strategy Outcome Performance Details: June 2017- May 2018

CSR Strategy Outcome Performance Details: June 2017- May 2018		
CSR Strategy Outcome	Outcome Metrics	Strategy Outcome Status Update
1. Decreased greenhouse gas emissions 	1.1. Amount of corporate greenhouse gas emissions 1.2. Energy consumption in facilities 1.3. Fleet fuel consumption	<p>1.1. Addressing The Region’s commitment to leadership and action on Climate Change extends to reducing its corporate greenhouse gas (GHG) emissions. Through the Climate Change Strategy and Energy and Environmental Sustainability Strategy the Region has set a greenhouse gas reduction target for 80% below 1990 levels by 2050 and is exploring ways to make our community more resilient.</p> <p>In response to the urgent need to respond to climate change at the local level, the Community Climate Change Partnership (CCCP) formed as a collaborative forum between the Region of Peel, City of Brampton, City of Mississauga, the Town of Caledon, Credit Valley Conservation and the Toronto and Region Conservation Authority. The CCCP envisions a shift to greener lifestyles, embracing a low carbon economy, and enhancing and protecting the Region’s natural heritage system.</p> <p>The Office of Climate Change and Energy Management is developing a Corporate Climate Change Master Plan, a ten year roadmap to achieve lowered greenhouse gas (GHG) emissions, ensuring the Region will be prepared for the impacts of climate change. energy consumption within our corporate buildings includes pursuing process improvements and behaviour changes to realize energy conservation, as well as installing and replacing equipment with more efficient technology.</p> <p>1.2. Staff are exploring ways to power our buildings with clean energy in existing and new buildings in order position us to move toward Net Zero Emissions buildings in the future. The implementation of initiatives to address climate change is based on our engagement with key stakeholders, and evaluation of timing and costs. Three recently completed ‘RunItRight’ Enbridge light re-commissioning projects realized an annual greenhouse gas (GHG) reduction of 80 tonnes.</p> <p>1.3. The Region of Peel’s Green Fleet Strategy Report to Regional</p>


Strategy Outcome Performance Details: June 2017- May 2018

CSR Strategy Outcome Performance Details: June 2017- May 2018		
CSR Strategy Outcome	Outcome Metrics	Strategy Outcome Status Update
		<p>Council (May 24, 2018) outlines how it will enable the formalization of internal processes and practices related to fleet composition and environmental performance. Implementation of the Strategy will make possible the acceleration of emissions reductions toward the Region's GHG reduction target. Through further research on alternate technologies, pilot studies with lower-carbon fuels, as well as engagement with internal fleet stakeholders, there is an opportunity to balance operational needs and financial implications with environmental benefits in vehicle replacements, technological enhancements and new acquisitions.</p>
<p>2. Increased building space utilization</p> 	<p>2.1 Maximize percent space utilization</p>	<p>2.1 To fulfill the goal to maximize the percentage of building space utilization, implementation of new space standards has commenced with another observation of utilization planned for 2019. Increasing space utilization will allow the Region to accommodate staff growth while minimizing our administrative office footprint and GHG emissions. This will be done by:</p> <ul style="list-style-type: none"> <li>• increasing the ratio of employees to desks where feasible (desk sharing opportunities);</li> <li>• using technology to support mobile workers; and</li> <li>• becoming less reliant on paper in work processes. This promotes mobility, reduce our carbon footprint, and converts storage space in our buildings to desk space.</li> </ul>
<p>3. Increased water efficiency</p> 	<p>3.1 Water efficiencies implemented in new and renovated facilities</p>	<p>3.1 Water efficiencies were implemented in facilities:</p> <ul style="list-style-type: none"> <li>• 7120 Hurontario Street underwent landscape irrigation system upgrades for an annual savings of 686 m3 of water.</li> <li>• Audits of water savings opportunities performed by Public Works staff at office buildings (10 Peel Centre Drive, 7120 Hurontario Street, four Long Term Care Centres, and various Peel Police facilities) including the Emil Kolb Centre and three divisional facilities. Future projects identified include converting chillers, compressors, walk-in fridges and freezers to air cooled vs. water</li> </ul>



Strategy Outcome Performance Details: June 2017- May 2018

CSR Strategy Outcome Performance Details: June 2017- May 2018		
CSR Strategy Outcome	Outcome Metrics	Strategy Outcome Status Update
		<p>cooled. Projects are under evaluation.</p> <ul style="list-style-type: none"> <li>• Four properties have fusion gardens</li> <li>• Recently developed standards call for toilets, urinals, faucets and showerheads to be 'WaterSense' equivalent. The 'WaterSense' labelling has aspects of Leadership in Energy and Environmental Design (LEED) and is an in-house developed standard applicable to all sectors. The Region can anticipate up to 50% reduction in water consumption where these fixtures are utilized.</li> <li>• Water meters, by code, are installed at the building level. Future projects may provide the opportunity to add water metering to cooling towers. This is for internal operations however, it doesn't actually save water. The largest benefit of having a meter is to validate water bills as well for leak detection.</li> </ul>
<p>4. Increased storm water management at facilities</p> 	<p>4.1 Number of low impact development (LID) projects on Peel sites</p>	<p>4.1 Numerous projects took place on Peel sites:</p> <ul style="list-style-type: none"> <li>• Three sites received permeable paving (Two Paramedics Stations, and the 7120 Hurontario Street walkways).</li> <li>• The Region of Peel, Public Works (PW) Transportation has employed LID as a consideration and common practice in arterial road design and construction projects for more than three years. From pilot projects looking at permeable pavement benefits on Dixie Road, to proposed infiltration systems to replace storm sewers on Mayfield Road, the Region of Peel is ahead of the curve in implementing the draft Ministry of the Environment and Climate Change (MOECC) LID Guidance.</li> <li>• Planning for the renovated Peel Manor, Long Term Care incorporates good practices related to LID.</li> <li>• Fusion gardens are at five Peel Living properties, one PW pumping station, three PW Community Recycling Centres, one Paramedic Station, 10 Peel and 7120 Hurontario with five more planned.</li> <li>• Transmission system upgrades continue, including process</li> </ul>



Strategy Outcome Performance Details: June 2017- May 2018

CSR Strategy Outcome Performance Details: June 2017- May 2018		
CSR Strategy Outcome	Outcome Metrics	Strategy Outcome Status Update
		<p>overflow of reservoirs. Post development flows are treated to predevelopment conditions where storm water runoff goes to ponds. Solids settle and quantities of water entering system are controlled.</p> <ul style="list-style-type: none"> <li>• The Region is working with Toronto Regional Conservation Authority and Credit Valley Conservation (CVC) to develop storm water solutions.</li> <li>• Upcoming projects include: Wolfedale Yard and Mavis Transhelp rainwater harvesting systems for vehicle washing, two bioswales to be installed at Wolfedale and permeable pavers for visitor parking will be installed at Mavis Transhelp.</li> </ul>
<p>5. Increased waste reduction and diversion in operating practices and employee common spaces</p> 	<p>5.1 Waste diversion rate for 10 Peel Centre Drive and 7120 Hurontario Street</p> <p>5.2 Organic waste diversion at five Long Term Care (LTC) homes</p> <p>5.3 Number of papers printed</p>	<p>5.1 In 2017, baseline data was obtained and actions were taken:</p> <ul style="list-style-type: none"> <li>• The waste diversion rate* at the 10 Peel Centre Drive location was found to be 76%.</li> <li>• The waste diversion rate* for 7120 Hurontario St. office was 77%.</li> <li>• Waste bins and signs were relocated to better inform staff and visitors of practices in cafeterias.</li> <li>• Introduced organics collection in kitchenettes on all floors, cafeterias and café kitchens.</li> </ul> <p>In 2018:</p> <ul style="list-style-type: none"> <li>• In recognition of Earth week, clothing and electronics collection bins were placed at 10 Peel Centre Drive and 7120 Hurontario Street from April 16 to 27. This was a partnership initiative by PW Waste Management, the Diabetes Association, and Real Property Asset Management.</li> <li>• Interviewed staff and visitors in cafeterias to understand motivators for recycling.</li> </ul> <p>*The waste diversion rate includes: paper removed and recycled by PW and 'Shred-It', battery recycling, fluorescent light bulb recycling, toner cartridge recycling, and organics collection.</p> <p>5.2 Organic waste diversion: A vendor contract has been finalized for</p>

Strategy Outcome Performance Details: June 2017- May 2018

CSR Strategy Outcome Performance Details: June 2017- May 2018		
CSR Strategy Outcome	Outcome Metrics	Strategy Outcome Status Update
		<p>provision of bins for collection of organic waste as well as incontinence products in LTC homes in Q2 2018. Reporting to commence at the end of Q2 2018.</p> <p>5.3 23.5 million pages were printed by employees and 4 million pages printed in the Region's in-house print shop in 2017.</p>
<p>6. Increased social and community benefits through business operations and vendor partnerships</p> 	<p>6.1 Number of candidates placed with vendors including voluntary language post award through award letters (per Term of Council Priority (ToCP) to Reduce Poverty)</p> <p>6.2 Number of apprenticeships in-house and with vendors</p> <p>6.3 Number of bid evaluations with community benefits evaluation criteria</p>	<p>6.1 In support of the ToCP to Reduce Poverty, Procurement staff, in partnership with Human Services are conducting a pilot program. The pilot tests, on a voluntary basis, the suitability of an approach to working with existing Regional vendors to increase employment opportunities for low income residents. Staff continue to monitor interest and engagement with current vendors. Outcomes/lessons learned from this pilot will inform next steps for this initiative. As participants in the Peel Community Benefits Network, Staff are working collaboratively with Metrolinx, area municipalities, residents and community organizations to develop and implement a Community Benefits Agreement model for the Hurontario Light Rail Transit (HuLRT). The Network formed in 2017 to create awareness about community benefits and its potential impact. Staff are working with the Peel Poverty Reduction Strategy Committee to investigate a living wage initiative in Peel Region. Living Wage reflects the true cost of living in a community by taking into account expenses such as housing and food as well as income from government transfers and taxes.</p> <p>6.2 This is a 2019-20 deliverable.</p> <p>6.3 This is a 2020 deliverable.</p>
<p>7. Increased Vendor Management</p> 	<p>7.1 Percentage of vendor contracts awarded demonstrating sustainable environmental and or social outcomes</p> <p>7.2 Vendor code of conduct updated</p>	<p>7.1 For reporting in 2020-2021, once the Sustainable Procurement program becomes fully launched and standardized.</p> <p>7.2 Update will be available in 2019.</p>

Strategy Outcome Performance Details: June 2017- May 2018

CSR Strategy Outcome Performance Details: June 2017- May 2018		
CSR Strategy Outcome	Outcome Metrics	Strategy Outcome Status Update
8. Increased level of employer social responsibility  	8.1 Percentage of employees that perceive the Region as a socially responsible employer (self-reported via survey)	8.1 Update will be available in 2019.
9. Increased levels of employee social conscience  	9.1 Percentage of employees volunteering in the community (self-reported)  9.2 Percentage of employees donating to the Employee United Way Campaign and or other charities	9.1 Survey administered in March 2018 to a randomized, stratified sample of employees to obtain baseline data about staff charitable behaviours for future comparison.  9.2 A clear demonstration of employee social responsibility is evident in findings of the employee 2017 United Way Campaign which achieved the highest pledge participation rate of any Campaign held to date.



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DATE: May 14, 2018

REPORT TITLE: **PUBLIC SECTOR NETWORK (PSN) UPDATE AND BUDGET**

FROM: Stephen VanOfwegen, Acting Commissioner of Digital and Information Services

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## RECOMMENDATION

That the **Public Sector Network 2018 Operating Budget** attached as **Appendix II** to the report of the **Acting Commissioner of Digital and Information Services**, titled “**Public Sector Network (PSN) Update and Budget**”, be approved in accordance with the PSN partnership agreement.

## REPORT HIGHLIGHTS

- Under the PSN Partnership Agreement, an annual PSN Budget is required to be submitted to the respective municipal Councils of the PSN Partners.
- Due to higher than anticipated costs for fibre locate services, overall expenses were slightly higher than anticipated in 2017.
- The 2018 PSN Proposed Budget has no impact on the overall Regional Budget.
- The Reserve Fund balance at the end of 2017 stood at \$650K.
- The Reserve Fund balance at the end of 2018 is anticipated at \$750K.
- In accordance with the PSN Partnership Agreement, subscriber revenues are to be applied to offset shared costs for operation and support of the network, thereby reducing the partners’ cost of ownership.

## DISCUSSION

### 1. Background

The fibre optic network, labeled the Public Sector Network (PSN), involves the effort of the four municipal agencies operating within the Region of Peel (Mississauga, Brampton, Caledon and the Region of Peel). Through years of planning and collaboration, a communications infrastructure capable of providing cost effective, high speed telecommunications has been developed.

Established in 1996, the network is designed to meet the Region’s growing need to provide an instant flow of data communications between facilities across Mississauga, Brampton and Caledon. In addition to providing operational connectivity between facilities,

## PUBLIC SECTOR NETWORK (PSN) UPDATE AND BUDGET

the PSN is positioned to provide opportunities for additional sites to be added to the network.

Further, the PSN steering committee is in discussions collaborating with South Western Integrated Fibre Technology to leverage capabilities for bringing high speed broadband internet access to rural areas of Caledon.

### a) PSN Budget

Under the PSN Partnership Agreement, the PSN Steering Committee is required to submit an annual proposed budget and a statement of actual revenues and expenditures each year to their respective municipal councils for approval. The PSN Steering Committee is comprised of staff representatives from the Region of Peel and each of the three local municipalities in Peel.

Appendix I of the subject report includes a Revenue and Expenditure statement for the year ending December 31, 2017 with commentary on budget variances.

Appendix II of the subject report includes the PSN Proposed Budget detailing the proposed allocation of revenues in 2018. In accordance with the PSN Partnership Agreement, revenues received in 2018 will be used to offset shared costs incurred for operation and support of the network, thereby reducing the partners' cost of ownership.

### b) New Installations / Site Connections

The following is a summary of activities over the last year:

- An additional 49 kilometers of fibre optic cables were installed.
- An additional 192 partner connections were added – 16 sites and 176 “nodes” (traffic controllers, bus stops, etc.);
- PSN now consists of 850 kilometers of fibre (almost 50,000 strand-kilometers), connecting 870 partner and 18 subscriber facilities, for a total of 888 facilities.
- An additional 6 Regional and Peel Regional Police sites were connected during 2017, including the Queen Youth Shelter, Falbourne, Kingsway and Caledon East Paramedic Stations, Police Marine Unit and 45 Kingsbridge Gardens.

### c) Current Status

The following is a list of the current number of connections on the PSN.

Network: Partner Connections:

- Region of Peel (175)
- Peel Regional Police (21)
- City of Mississauga (317)
- City of Brampton (341)
- Town of Caledon (16)

Subscriber Connections:

- Sheridan College (2)
- William Osler Health Centre (3)
- Trillium Health Centre (9)
- Credit Valley Hospital (3)
- University of Toronto, Mississauga Campus (1)

**PUBLIC SECTOR NETWORK (PSN) UPDATE AND BUDGET**

**FINANCIAL IMPLICATIONS**

The recommendations in the subject report have no direct financial impact on the Region of Peel. Revenues received from PSN subscribers are used to offset PSN shared operating costs, which would otherwise be borne by PSN partners. Surplus funds are deposited to the PSN Reserve Fund and will be applied as determined by the PSN steering committee in accordance with the established partner agreements. In 2018, the network is estimated to increase its reserve fund by \$75,000 and end the year with a reserve fund balance of \$752,000.

**CONCLUSION**

PSN remains a good example of technological innovation and of the benefits derived through co-operation and partnership among Peel municipalities and with the broader public sector in Peel. Access fees from subscribers to the network are now funding a substantial portion of the shared costs associated with network operations while providing a small surplus for future network operations or replacement costs.



Stephen VanOfwegen, Acting Commissioner of Digital and Information Services

**Approved for Submission:**



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D. Szwarc, Chief Administrative Officer

**APPENDICES**

- Appendix I - Public Sector Network, Revenue and Expenditure Statement for 2017
- Appendix II - Public Sector Network, Proposed 2018 Operating Budget
- Appendix III - Public Sector Network, Map

*For further information regarding this report, please contact Steve Van De Ven, Director, Information Systems & Technology Services, extension 4451.*

*Authored By: Steve Van De Ven*

*Reviewed in workflow by:  
Financial Support Unit*

**APPENDIX I  
PUBLIC SECTOR NETWORK (PSN) UPDATE AND BUDGET**

**Public Sector Network  
Revenue and Expenditure Statement  
For the Year Ended December 31, 2017**

	2017 Budget	2017 Actual	Variance	
<b>Revenues</b>				
Sheridan College	82,200	92,202	10,002	(1a)
University of Toronto	6,024	6,024	-	
Trillium Health Centre	70,407	70,407	-	
William Osler Health Centre	72,339	72,339	-	
Credit Valley Hospital	159,458	159,458	-	
Investment Income	17,675	17,037	(638)	
<b>Total</b>	<b>408,103</b>	<b>417,467</b>	<b>9,364</b>	
<b>Common Expenses</b>				
Cable locate services	230,000	276,962	46,962	(2)
One Call Services	20,000	13,268	(6,732)	(2)
Maintenance	18,000	1,762	(16,238)	(3)
Network Upgrades	15,000	16,087	1,087	
Operational Costs	65,000	55,695	(9,305)	(4)
Contribution to Reserve Fund	58,103	50,495	(7,607)	(5)
Other	2,000	3,196	1,196	(6)
<b>Total Expenses</b>	<b>408,103</b>	<b>417,467</b>	<b>9,364</b>	
<b>Surplus / &lt;Deficit&gt;</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>Reserve Fund</b>				
Opening balance, Jan 1, 2017	\$ 609,484	\$ 609,484	-	
Contribution from Operating account	\$ 40,428	\$ 33,458	(6,970)	
Investment Income	\$ 17,675	\$ 17,037	(638)	
<b>Closing balance - Dec 31, 2017</b>	<b>\$ 667,587</b>	<b>\$ 659,979</b>	<b>\$ (7,608)</b>	

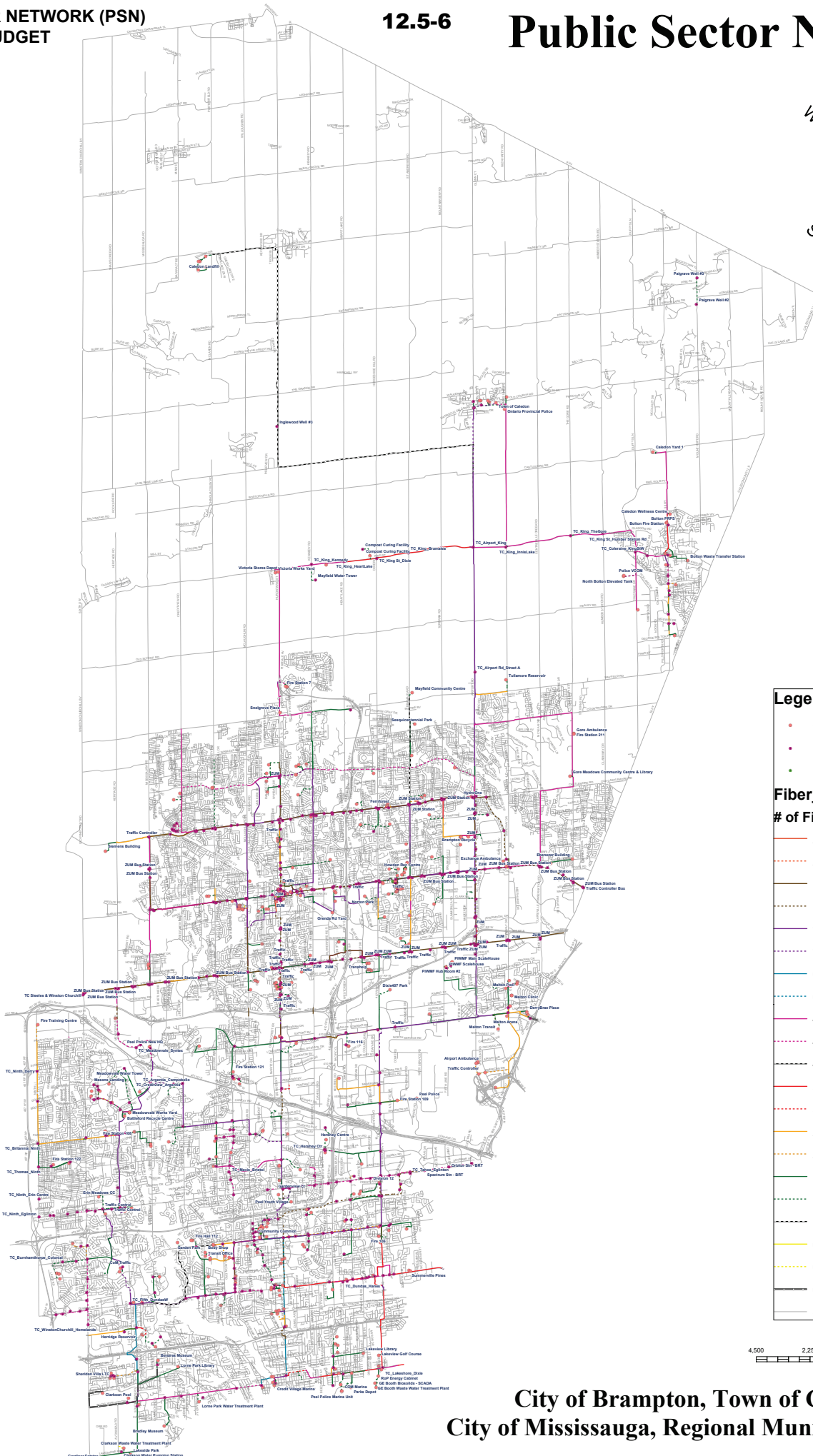
**Notes:**

- 1a. Revenue increase at Sheridan College is due to the connection of additional link.
2. Increase in Cable Locate costs due to high construction activity.
3. Decrease in maintenance costs is due to anticipated fewer repairs.
4. Lower Operational Costs relates to decreased project management costs
6. Decrease in Reserve Contribution due to increase in cable locate costs, partially offset by other savings and increased revenue.
7. Increase in Other relates to legal costs for Subscriber Contract renewals.

**APPENDIX II  
PUBLIC SECTOR NETWORK (PSN) UPDATE AND BUDGET**

**12.5-5**

<b>Public Sector Network Proposed Budget for 2018</b>					
	2018 Budget	2017 Budget	2017 Actual	Variance to 2017 Budget	
<b>Revenues</b>					
Sheridan College	102,204	82,200	92,202	20,004	(1a)
University of Toronto	1,004	6,024	6,024	(5,020)	(1b)
Trillium Health Centre	71,586	70,407	70,407	1,180	
William Osler Health Centre	72,339	72,339	72,339	-	
Credit Valley Hospital	159,458	159,458	159,458	-	
Investment Income	17,675	17,675	17,037	-	
<b>Total</b>	<b>424,266</b>	<b>408,103</b>	<b>417,467</b>	<b>16,164</b>	
<b>Common Expenses</b>					
Cable locate services	230,000	230,000	276,962	-	(2)
One Call Services	15,000	20,000	13,268	(5,000)	
Maintenance	15,000	18,000	1,762	(3,000)	
Network Upgrades	30,000	15,000	16,087	15,000	
Operational Costs	55,000	65,000	55,695	(10,000)	(3)
Contribution to Reserve Fund	75,000	58,103	50,496	16,898	(4)
Other	4,266	2,000	3,196	2,266	(5)
<b>Total Expenses</b>	<b>424,266</b>	<b>408,103</b>	<b>417,467</b>	<b>16,164</b>	
<b>Surplus / &lt;Deficit&gt;</b>		<b>-</b>	<b>-</b>	<b>-</b>	
<b>Reserve Fund</b>					
Opening balance, Jan 1	659,979	\$ 609,484	\$ 609,484	50,495	
Contribution from Operating account	75,000	\$ 40,428	\$ 33,458	34,572	
Investment Income	17,500	\$ 17,675	\$ 17,037	(175)	
<b>Closing balance - Dec 31</b>	<b>\$ 752,479</b>	<b>\$ 667,587</b>	<b>\$ 659,979</b>	<b>\$ 84,892</b>	
<b>Notes:</b>					
1a. Revenue increase at Sheridan College is due to the connection of additional link.					
1b. Revenue decrease for University of Toronto due to their no longer requiring link after February.					
2. Anticipate some reduction in cable locate costs for 2018, compared to 2017 actuals, due to changes to Ontario OneCall process.					
3. Lower Operational Costs relates to decrease in Project Management costs.					
4. Reserve Contribution for discussion versus additional allocation for Network Upgrades					
5. Increase in Other Items relates to higher anticipated Legal Costs due to LRT and other initiatives					

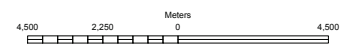


**Legend**

- Customer Site
- Hubsite\_Secondary
- POP Site

**Fiber\_Cable**  
**# of Fibers, CableType**

- 288, Aerial
- 288 count, Buried
- 144 count, Aerial
- 144 count, Buried
- 96 count, Aerial
- 96 count, Buried
- 60 count, Aerial
- 60 count, Buried
- 48 count, Aerial
- 48 count, Buried
- - - 48, External
- 36 count, Aerial
- 36 count, Buried
- 24 count, Aerial
- 24 count, Buried
- 12 count, Aerial
- 12 count, Buried
- - - 12, External
- 6 count, Aerial
- 6 count, Buried
- 6 count, Non PSN
- SLSNPEEL



DATE: May 11, 2018

REPORT TITLE: **SUPPLY OF CISCO HARDWARE, SOFTWARE, ANNUAL MAINTENANCE AND SERVICES FOR REGION OF PEEL – DOCUMENT 2015-035T**

FROM: Stephen VanOfwegen, Acting Commissioner of Digital and Information Services

### RECOMMENDATION

**That the Contract (Document 2015-035T) for the Supply of Cisco Hardware, Software, Annual Maintenance and Services awarded to OnX Enterprise Solutions Ltd. be increased by an additional \$1,800,000 for a revised contract amount of \$2,800,000 (exclusive of applicable taxes) in accordance with Purchasing By-Law 113-2013;**

**And further, that the Director of Procurement be authorized to renew the Contract for two optional 12 month periods for ongoing maintenance and support upon completion of implementation, in the annual amount of \$323,000 (exclusive of applicable taxes);**

**And further, that subject to budget availability, the Director of Procurement be authorized to increase and extend the Contract for any goods and services that are deemed proprietary or similar in nature, if actual requirements exceed estimated quantities.**

### REPORT HIGHLIGHTS

- The Region undertook a multi-phased approach to implement Corporate and Public Wi-Fi in various locations.
- The Region is currently completing Phase 1 implementation for the corporate and public Wi-Fi access for 10 Peel Centre Drive, 7120 Hurontario, PAMA, Copper Road and Advanced Boulevard with anticipated completion in May, 2018.
- The Region is planning a second phase of implementation to deploy corporate and public Wi-Fi access for five Health Services Long Term Care Centre locations, and Public Works Waste Yards beginning in the 2nd quarter of 2018.
- Document 2015-035T for the Supply of Cisco Hardware, Software, Annual Maintenance and Services was awarded by Peel Regional Police (PRP) to OnX Enterprise Solutions Ltd. through a competitive process. In order to achieve the phase 1 implementation, the Region of Peel (Region) leveraged the Contract in 2017 and obtained authority to award the Contract in the amount of \$1,000,000 (exclusive of taxes) for a 12 month period with two optional 12 month periods.
- In accordance with Purchasing By-law 113-2013, the increase is now necessary to proceed with phase 2 implementation and requires Regional Council approval.
- There are sufficient funds available in the approved Capital budget and the annual maintenance and managed service costs will be included in the 2019 operating budget.

**SUPPLY OF CISCO HARDWARE, SOFTWARE, ANNUAL MAINTENANCE AND SERVICES FOR REGION OF PEEL – DOCUMENT 2015-035T**

**DISCUSSION**

**1. Background**

Wireless connectivity is one of the enabling tools and technology components that is part of the Workforce Enablement Program initiatives to increase employees' mobility by enabling wireless network connectivity for internal and external users in Regional buildings. Wi-Fi has now become prevalent in most workplaces and is considered to be crucial in conducting business operations.

Due to an increasing demand for wireless connectivity from staff, contractors and residents visiting Regional buildings, and to continue supporting the Region's Term of Council Priority to Create a Modernized Workplace and Service Modernization, an immediate need to have this capability in place has been determined.

Regional staff presented a project plan with a phased approach to implement the Wi-Fi installation in various Region of Peel locations. The first phase includes the main headquarters at 10 Peel Centre Drive and 7120 Hurontario along with PAMA, Copper Road and Advanced Boulevard, followed by other locations in Phase 2. At that time, the project scope for implementing the Wi-Fi installation to the rest of the Regional locations could not be precisely defined and therefore budgetary estimates could not be determined. Therefore, authority was obtained in September 2017 to secure OnX Enterprise Solutions Ltd. for Phase 1 implementation only. Having launched Phase 1, which is currently well underway and expected to be completed by the end of spring, staff has determined that Phase 2 (A & B) can be undertaken shortly after Phase 1 has been fully implemented as more detailed scope and estimated implementation costs for the next phase have now been established.

Phase 2 of the Wi-Fi project is to extend corporate and public Wi-Fi access to the five Health Services Long Term Care Centre locations (Phase 2A) and Public Works Waste Yards (Phase 2B). The third and final phase is currently being scoped and planned with the program areas, and will be included in the budget process for 2020.

The total estimated cost for Phase 2 is \$1.8 million and additional authority is required to move forward with the 2nd phase of the Wi-Fi implementation project.

**2. Procurement Process**

In accordance with Purchasing By-law 113-2013, this increase requires Regional Council approval.

In 2015, Peel Regional Police (PRP) Information and Technology Services issued Document 2015-035T for the Supply of Cisco Hardware, Software, Annual Maintenance and Services, which was awarded to OnX Enterprise Solutions Ltd. through a competitive procurement process. It was determined that the PRP contract with OnX Enterprise Solutions Ltd. can be leveraged for the Region's requirement as it covers all the components necessary to implement the service, including hardware, software and professional services for ongoing management of the service. In 2017, the Region leveraged the Contract and obtained authority in the amount of \$1,000,000 (exclusive of taxes) for a 12 month period with two optional 12 month periods. This amount was based on approved available budget.



### 12.6-3

## SUPPLY OF CISCO HARDWARE, SOFTWARE, ANNUAL MAINTENANCE AND SERVICES FOR REGION OF PEEL – DOCUMENT 2015-035T

Staff have determined that the pricing secured in the 2015 tender is still competitive and represents good value.

### FINANCIAL IMPLICATIONS

There are sufficient funds available in the approved Capital budget to award the additional \$1,800,000 (excluding applicable taxes) under the following cost centres:

177570 - \$1,000,000

187570 - \$800,000

This project will require an additional amount of \$323,000 to be included in the 2019 operating budget for the annual ongoing maintenance and managed service costs related to both the phases of work. \$174,000 is for Phase 1 which is underway and is committed, and the balance of \$149,000 relates to the ongoing support and maintenance related to Phase 2, if approved.



Stephen VanOfwegen, Acting Commissioner of Digital and Information Services

### Approved for Submission:



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D. Szwarc, Chief Administrative Officer

*For further information regarding this report, please contact Steve Van De Ven, Director, Information Systems & Technology Services, extension 4451.*

*Authored By: Ivan Sabados*

*Reviewed in workflow by:*

Purchasing  
Financial Support Unit



**THE REGIONAL MUNICIPALITY OF PEEL**  
**EMERGENCY MANAGEMENT PROGRAM COMMITTEE**  
**MINUTES**

**EMPC - 1/2018**

The Region of Peel Emergency Management Program Committee met on May 3, 2018 at 1:00 p.m., in the Regional Council Chamber, 5th Floor, Regional Administrative Headquarters, 10 Peel Centre Drive, Suite A, Brampton, Ontario.

**Members Present:** F. Dale; A. Groves; J. Innis; S. McFadden; M. Medeiros\*; M. Palleschi; K. Ras; P. Saito

**Members Absent:** Nil

**Also Present:** D. Szwarc, Chief Administrative Officer; L. Graham-Watson, Commissioner of Corporate Services; P. O'Connor, Regional Solicitor; S. VanOfwegen, Commissioner of Finance, Chief Financial Officer and Acting Commissioner of Digital Information and Technology; J. Smith, Commissioner of Public Works; J. Sheehy, Commissioner of Human Services, N. Polsinelli, Commissioner of Health Services; Dr. J. Hopkins, Medical Officer of Health; K. Lockyer, Director of Clerk's and Regional Clerk; J. Jones, Committee Clerk; D. Obaseki, Legislative Assistant

*Chaired by Councillor Groves.*

**1. DECLARATIONS OF CONFLICTS OF INTEREST - Nil**

**2. APPROVAL OF AGENDA**

RECOMMENDATION EMPC-1-2018:

That the agenda for the May 3, 2018 Emergency Management Program Committee meeting, be approved.

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\* See text for arrivals

◆ See text for departures

3. **DELEGATIONS - Nil**

4. **REPORTS**

4.1. **Overview of Regional Emergency Management Program Activities**

Received

4.2. **Establishment of a Contingency Fund for Residential Disasters**

Received

In response to a question from Councillor Saito with regard to the establishment of a separate reserve to provide funding for disaster/emergency assistance, Lorraine Graham-Watson stated that the Region has a \$7 million reserve fund to address impacts to Regional facilities (and structures). She stated that Council could, on a case by case basis, draw on general reserves for individual resident requests for assistance.

In response to a question from Councillor Ras with regard to the City of Hamilton's area resident relief funding program, Richard Gibson stated that the program is specific to flooding. Requests go to City Council for approval and they do not have a separate contingency fund.

In response to a question from Councillor Ras with regard to the possibility of adding information about renter and homeowner property responsibilities to the Service Line Warranty (SLW) communications, Janette Smith stated that the SLW's only apply to individual homeowners and not renters. She also stated that staff will provide an update on the SLW Program at a future committee meeting.

4.3. **Emergency Social Services (Red Cross)**

Councillor Medeiros arrived at 1:11 p.m.

RECOMMENDATION EMPC-2-2018:

That the report titled Emergency Social Services (Red Cross) be referred back to Regional staff to engage in discussion with lower tier municipalities emergency management offices in the development of protocols and detailed procedures, and with lower tier municipalities solicitors with regard to the legal implications of the agreement;

And further, that the lower tier municipalities be provided with existing mutual assistance protocols, emergency evacuation and sheltering plans and procedures, and emergency social services plans and procedures; and that lower tier municipalities be actively engaged in discussions regarding such plans and procedures;

And further, that the Regional Emergency Management Committee be provided with an update on the Emergency Recovery Plan as per the resolution presented at the Region of Peel Emergency Management Program Committee of May 7, 2015 including a debris management plan;

And further, that lower tier municipalities Emergency Management Offices be provided with detailed information on the Region of Peel Water and Waste Water Services in a format appropriate for compliance to provincial legislation regarding critical infrastructure assurance.

**4.4. 9-1-1 Annual Report**

Received

**5. COMMUNICATIONS - Nil**

**6. IN CAMERA MATTERS - Nil**

**7. OTHER BUSINESS**

In response to a question from Councillor Saito with regard to planned activities during Emergency Preparedness Week, Richard Gibson stated that the Regional Emergency Operations Center is open and committee members are encouraged to come out and take a tour. He also stated that support is being provided to various community events.

Councillor Saito requested that information with regard to household insurance and storm water insurance be included on the Region's social media during Emergency Preparedness Week.

**8. NEXT MEETING**

The next meeting of the Emergency Management Program Committee is to be determined. For information please contact Jill Jones, Committee Clerk, (905) 791-7800 ext. 4330 or at [jill.jones@peelregion.ca](mailto:jill.jones@peelregion.ca)

**9. ADJOURNMENT**

The meeting adjourned at 1:17 p.m.

**Minister of  
Seniors Affairs**

6<sup>th</sup> Floor  
400 University Avenue  
Toronto ON M7A 2R9  
Tel.: (416) 314-9710  
Fax: (416) 325-4787

**Ministre des Affaires  
des personnes âgées**

6<sup>e</sup> étage  
400, avenue University  
Toronto ON M7A 2R9  
Tél.: (416) 314-9710  
Télééc.: (416) 325-4787

**RECEIVED***May 7, 2018*

REGION OF PEEL

OFFICE OF THE REGIONAL CLERK

May 2018

Dear Friends,

It is my pleasure to invite you to submit a nomination for the [Ontario Senior Achievement Award](#).

Each year, the program recognizes extraordinary seniors who, after the age of 65, have made significant contributions to their community and/or province.

**To submit a nomination for this award:**

1. Visit [ontario.ca/honoursandawards](http://ontario.ca/honoursandawards).
2. Select the **Community** category.
3. Click on [Ontario Senior Achievement Award](#).
4. Download the PDF form by right clicking on the link and save it to your desktop.
5. Read the eligibility criteria and instructions carefully.
6. Fill out the form and submit it **no later than June 15, 2018**. Instructions for submitting your nomination package can be found on the website.

Did you know that June is [Seniors' Month](#) in Ontario? Take this opportunity to promote the Senior Achievement Awards in your community and to recognize an exceptional senior. Attached is a promotional image you can use. The program will also be promoted on my ministry's social media channels. Please like and share our content.

If you have questions about the Ontario Senior Achievement Award, please call 416-314-7526, toll free 1-877-832-8622 or TTY 416-327-2391, or email [ontariohonoursandawards@ontario.ca](mailto:ontariohonoursandawards@ontario.ca).

Thank you in advance for taking the time to consider putting forward the name of a special senior in your community.

Sincerely,

Dipika Damerla  
Minister

REFERRAL TO \_\_\_\_\_  
RECOMMENDED \_\_\_\_\_  
DIRECTION REQUIRED \_\_\_\_\_  
RECEIPT RECOMMENDED  \_\_\_\_\_

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**ITEMS RELATED TO  
PUBLIC WORKS**

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**For Information**


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DATE: May 16, 2018

REPORT TITLE: **THE REGION OF PEEL'S GREEN FLEET STRATEGY**

FROM: Janette Smith, Commissioner of Public Works

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**OBJECTIVE**

To provide the recommended approach and 15 preliminary actions for implementation of the Region of Peel's Green Fleet Strategy.

**REPORT HIGHLIGHTS**

- The fleet for the Green Fleet Strategy (the "Strategy") includes all fleet with the exception of Peel Police and represents 13 percent of the overall corporate emission profile.
- In 2016, the fleet portion of the corporate emission profile was the equivalent of 10,181 tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e) from over 700 vehicles and 465 pieces of equipment.
- In 2017, a technical review of current fleet composition and practices was undertaken to identify potential scenarios and their impact on the fleet emission profile over time when compared to the corporate target of 80 percent reduction below 1990 emission levels by 2050.
- The Strategy has been developed as a balanced approach to fleet greening based on current estimates and forecasts as well as available fuels and vehicle technologies.
- There are 15 preliminary actions that have been identified for the implementation of the Strategy to guide the Region to reduce fleet related emissions.
- The reduction of greenhouse gases will have benefits for our air quality and population health.
- The Strategy is intended to be a living document with updates every five years to monitor and report on progress on the short-term (2018-2022), medium-term (2023-2027) and long-term (2028-2050) implementation phases.
- Financial and resource implications will be included in each annual budget cycle, as required, for Regional Council consideration.

**DISCUSSION**
**1. Background**

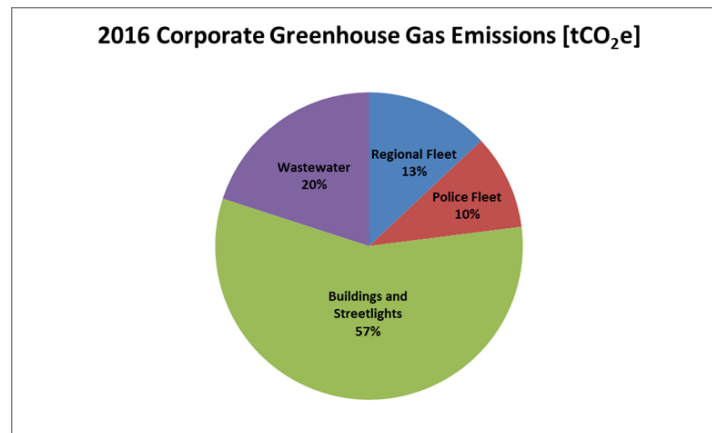
The Region of Peel has a Term of Council Priority to 'Adapt to and Mitigate the Effects of Climate Change' which outlines Council direction to reduce corporate greenhouse gas (GHG) emissions. The reduction of greenhouse gases will also have benefits for air quality

## THE REGION OF PEEL'S GREEN FLEET STRATEGY

and population health. A long-term target has been set that identifies the desired future corporate emission profile to be 80 percent below 1990 emission levels.

The Region's Corporate GHG Inventory consists of three primary streams: Buildings and Streetlights, Fleet/Equipment (shown as Regional Fleet and Police Fleet), and Wastewater. The distribution of these GHG emissions as a percent of the total corporate profile is shown in Figure 1 and the full corporate GHG emissions in 2016 was approximately 77,000 tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e).

**Figure 1: Peel Corporate GHG Emissions (2016)**



This Strategy addresses only the Regional fleet. The Peel Police are exploring their fleet greening opportunities independently.

### a) Peel's Fleet and Equipment Composition

The fleet composition is regularly changing based on vehicle replacements and new acquisitions approved through operational planning and the annual budget process.

The current fleet includes over 50 hybrid light-duty vehicles which were introduced beginning in 2004 when this vehicle technology became available in the market. In addition, the Region is working on the procurement of 16 fully electric light-duty battery electric cars and a potential pilot initiative with seven battery electric or plug-in hybrid electric light-duty pickup trucks. A summary of the fleet composition is shown in Table 1.

## THE REGION OF PEEL'S GREEN FLEET STRATEGY

**Table 1: Peel's Current Fleet and Equipment Composition (as of March 2018)**

Vehicle Classification	Unit Count	Example Vehicles and Equipment
Light-Duty Vehicles	614	Passenger Cars, Vans, and SUV's, Ambulances, TransHelp Buses
Medium-Duty Vehicles	38	Construction and Low Profile Dump Trucks
Heavy-Duty Vehicles	58	Dump and Vector Trucks
Heavy-Duty Equipment	45	Articulated Loaders and Backhoe's
Standard Equipment	420	Forklifts, Generators and Pumps
<b>Total</b>	<b>710 vehicles, 465 equipment</b>	

**b) Peel's Fleet Related GHG Emissions**

While Peel's corporate emission profile includes other Regional services, operations and facilities, the internal fleet of focus for this Strategy accounted for the equivalent of 10,181 tonnes of carbon dioxide emissions (tCO<sub>2</sub>e) in 2016. The historical fleet size, actual and projected emissions and overall emission avoidances since 2010 are detailed in Table 2.

**Table 2: Peel's Fleet Size, Historical GHG Emissions, and Emission Avoidances through Current Fleet Practices (excluding Peel Police and Employee Mileage)**

	1990*	2010	2013	2014	2015	2016
<b>Fleet Size</b> (vehicles and equipment)	479	825	989	1,016	1,086	1,142
<b>tCO<sub>2</sub>e</b>						
<b>Actual Emissions</b>	3,957	6,785	8,723	9,679	9,601	10,181
<b>Projected Emissions</b>	-	6,895	9,430	10,657	10,867	11,751
<b>Emission Avoidance</b> (cumulative)	-	110	707	978	1,266	1,570

\*estimated

In 2017, a review of fleet policies, practices and emerging opportunities was started to support in developing and implementing a Green Fleet Strategy to build on the emission savings that have been achieved to date in internal fleet operations. The Green Fleet Strategy forms part of the overall action plan for reducing Peel's corporate emission profile, which will be included in the Climate Change Master Plan Implementation Strategy, currently in development and expected to be complete by the end of 2018.

**c) Peel's Historical Fleet GHG Reduction Initiatives**

The Region of Peel has historically explored efficiency opportunities and continues to explore opportunities to improve GHG emissions from fleet operations as technologies and alternate options become available. This has included initiatives such as

**THE REGION OF PEEL'S GREEN FLEET STRATEGY**

introducing hybrid vehicles in the fleet, working with client groups to identify and implement the right size vehicle for the operational business needs, the use of alternate fuels, and piloting and implementing technologies to reduce emissions (e.g. anti-idling devices).

These initiatives have resulted in a cumulative 13 percent emission avoidance or the equivalent of 1,570 tCO<sub>2</sub>e since 2010, inclusive of fleet growth.

**2. Findings****a) Technical Review**

In 2017, there were several potential scenarios developed through the technical review and fleet composition options over time for Peel to consider. These scenarios were compared to a business as usual scenario if no initiatives were implemented to green the Peel fleet.

The Green Fleet Strategy was developed using the options and their quantified potential impact on fleet GHG emission reduction, forecasted to 2050 based on currently available technologies and best estimates related to emerging technologies and fuels from the technical review. The Strategy is intended to provide a strategic roadmap to guide the Region with actions in its fleet efforts for reducing Peel's corporate GHG emission profile.

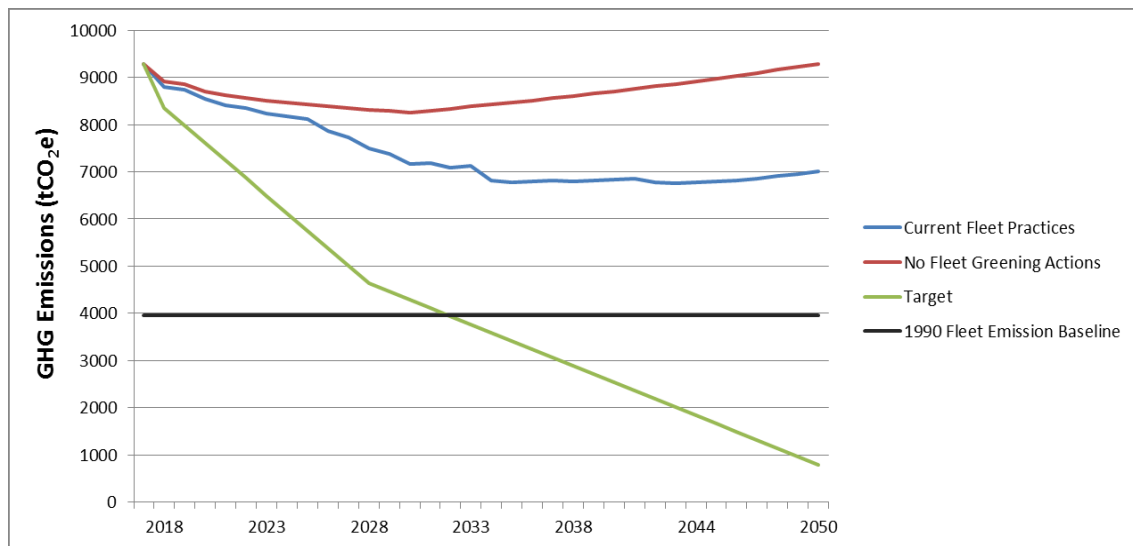
To address the reality of the fleet GHG emission forecast, a more aggressive approach needs to be taken to align to the corporate target and position the Region for future emission reduction success.

**b) Current Fleet Practice Comparison to Corporate Target**

When looking at the current fleet practices and efforts to reduce GHG emissions, while they are positive, they will not be enough to achieve significant reductions in Peel's fleet emissions in the long-term. There is still a significant gap in the current practices and the corporate target of 80 percent reduction below 1990 emission levels. The projected GHG emission impact of current fleet practices over time is shown in Graph 1 which is inclusive of fleet growth projections. A comparison of a business as usual scenario (if no fleet greening activities took place) is also included.

## THE REGION OF PEEL'S GREEN FLEET STRATEGY

**Graph 1: GHG Projection (Compared to No Fleet Greening, Current Practice and Fleet GHG Target)\***



\* Includes fleet growth projections

In part, reaching the long-term target is related to future vehicle technology which is not currently available for consideration into the emission reduction forecasts. This is anticipated to improve over time as technology improves and as current vehicle technologies that are available in the market but difficult to obtain at this time (e.g. battery electric vehicles) become more widely available.

### c) Balanced Approach to Greening Peel's Fleet

Of the scenarios that were developed as part of the technical review, one was identified as a balanced approach to fleet greening based on current estimates and forecasts as well as available fuels and vehicle technologies. The scenario focuses on the introduction of battery electric vehicles, flex-fuel capable vehicles that can use high ethanol blended fuel and biodiesel in the short-term (2018-2022) Strategy implementation phase. In the medium-term (2023-2027) implementation phase, the fleet composition is recommended to continue to transition to high ethanol blended fuel in light and medium duty flex-fuel capable vehicles and to begin to introduce compressed natural gas in the medium-duty diesel fleet, battery electric vehicles in the TransHelp fleet and biodiesel in diesel powered equipment.

Long-term (2028-2050) forecasts are challenging to confirm at this time but are anticipated to have the ability to have a high focus on battery electric vehicles across many of the light-duty and medium-duty vehicles and renewable natural gas in the medium and heavy-duty diesel fleet and diesel powered equipment.

For the preliminary implementation of the Green Fleet Strategy and positioning the Region to achieve the long-term fleet GHG emission reduction targets, there were 15 identified actions across five categories that address the research and baseline data analysis, consultant technical review and internal fleet stakeholder engagement. These actions have been summarized in Appendix I.

## THE REGION OF PEEL'S GREEN FLEET STRATEGY

### d) Corporate Greenhouse Gas Emission Reduction Goals

Corporately, the Region of Peel, through its Term of Council Priority to 'Adapt to and Mitigate the Effects of Climate Change', has indicated the overall emission reduction target of 80 percent reduction below 1990 emission levels by 2050. Within the current Term of Council (2015-2018), an overall emission reduction target of 10 percent reduction below 1990 emission levels by 2019 was set. The Region has been successful in achieving the 2019 target to date and continues to identify opportunities and strategies to address the 2050 target.

### e) Green Fleet Strategy Targets

Fleet related GHG emission reduction targets were identified through the baseline technical work conducted to develop the Green Fleet Strategy. For the target development, the projected year-end 2017 fleet emissions were used as a baseline for future projections and for various scenarios and fleet greening initiatives:

- 10 percent reduction of fleet emissions from 2016 levels by 2018
- 30 percent reduction of fleet emissions from 2017 levels by 2023
- 50 percent reduction of fleet emissions from 2017 levels by 2028
- 80 percent reduction of fleet emissions from 1990 levels by 2050

The goals of the Strategy and the balanced approach for implementation are based on those technologies and fuels that are currently available or which will be realistically available as Peel advances to the medium and longer-term phases of Strategy implementation (from 2023-2050).

Based on the fleet related targets, current available technologies, current available fuels and the balanced approach that is recommended for the Green Fleet Strategy, an overall fleet emission profile reduction of approximately 64% below the 1990 level is possible by 2050. This is the equivalent of a projected 1,415 tCO<sub>2</sub>e compared to the 791 tCO<sub>2</sub>e 80 percent reduction target. This can be achieved through the implementation of the balanced fleet greening approach tactics such as battery electric vehicles, alternative fuels (ethanol and biodiesel) and a long-term transition to other alternative fuels such as compressed natural gas and renewable natural gas.

It is important to note that with current technologies and fuels it is not possible to meet the corporate target of 80 percent reduction below 1990 levels by 2050 in fleet operations. However, it is anticipated that over time as emerging fleet technologies are refined and new technologies become available that the corporate target will be achievable.

### f) Advancements of Available Technologies and Fuels for Fleets

A scan of available technologies to support the reduction of fleet related emissions for Peel was completed. These opportunities include emerging Green Electric Technologies, Alternative Lower Carbon Fuels, Green Vehicle Specifications, and Fleet Operational Best Practices which are detailed in Appendix II.

## THE REGION OF PEEL'S GREEN FLEET STRATEGY

### RISK CONSIDERATIONS

There are several risks with the potential to negatively affect the Region and its reputation as it pursues the opportunity to research and implement activities to support the reduction of fleet GHG emissions.

Approaches that are not researched and validated at a strategic level can lead to financial risks if they require large capital investments that do not provide a positive return both financially and environmentally toward the emission reduction targets. For these reasons, it is recommended to leverage the current fleet practices for seeking GHG reductions and strengthen the approach by implementing the Green Fleet Strategy to guide the Region in its efforts to centralize and formalize internal processes.

The Strategy will address the risks identified with additional performance measures and milestones to be identified as part of the implementation of the 15 preliminary actions to monitor progress toward the corporate target over time. Future updates to the Strategy will continue to identify and manage emerging risks to its implementation and the evolution of Peel's fleet portfolio.

### FINANCIAL IMPLICATIONS

At this time, many of the actions of the Strategy can be initiated within the existing budgets for fleet. As the implementation of actions and future initiatives related to the Green Fleet Strategy are identified and evaluated, their financial and resource impact will be included, as required, in each annual budget cycle for consideration by Regional Council.

Pending review of existing resources and work planning within the Operations Support Division a resource may be included in the 2019 budget cycle for Council's consideration. This resource is intended to be the centralized coordinator of all Green Fleet Strategy activities, research and pilot studies and will be responsible to align stakeholder groups across the organization toward achieving the Strategy objectives and targets.

### CONCLUSION

Influencing meaningful GHG emission reduction in Peel's fleet operations requires a more aggressive approach to identifying, evaluating and implementing fleet initiatives that are aligned to the long-term corporate target of 80 percent reduction below 1990 emission levels by 2050. The Green Fleet Strategy is intended to provide a strategic roadmap to guide the Region with actions in its efforts to reduce fleet emissions and forms part of the overall action plan for reducing Peel's corporate GHG emission profile, which will also be defined in the Climate Change Master Plan Implementation Strategy currently in development.

**THE REGION OF PEEL'S GREEN FLEET STRATEGY**

The Green Fleet Strategy will be a living document that will be reviewed and refreshed every five years to assess progress and future opportunities in the short-term (2018-2022), medium-term (2023-2027) and long-term (2028-2050) implementation phases.



Janette Smith, Commissioner of Public Works

**Approved for Submission:**



---

D. Szwarc, Chief Administrative Officer

**APPENDICES**

Appendix I - Implementation Actions of the Green Fleet Strategy

Appendix II - Advancements of Available Technologies and Fuels for Fleets and Other Fleet Greening Opportunities

*For further information regarding this report, please contact Shaun Hewitt, Director Operations Support, extension 3243, [Shaun.Hewitt@peelregion.ca](mailto:Shaun.Hewitt@peelregion.ca).*

*Authored By: Amy Yates, Program Support Analyst, Operations Support Division*

*Reviewed in workflow by:*

*Purchasing  
Financial Support Unit*



## APPENDIX I THE REGION OF PEEL'S GREEN FLEET STRATEGY

### Implementation Actions of the Green Fleet Strategy

For the implementation of the Green Fleet Strategy and positioning the Region to achieve the long-term fleet GHG emission reduction targets, there are 15 preliminary identified actions across five categories that address the research and baseline data analysis, consultant technical review and internal fleet stakeholder engagement.

#### **a) Dedicated Resource for the Green Fleet Strategy Implementation**

In order to facilitate the ongoing development of work plans for the Green Fleet Strategy and their implementation, a dedicated resource is a recommended approach to implement the required actions of the Strategy.

Action 1 Obtain a dedicated resource for continued work plan development and implementation of the Green Fleet Strategy.

#### **b) Fleet Monitoring and Data Analysis**

An important aspect of understanding Peel's fleet and opportunities for efficiencies is the ability to gather and monitor relevant statistics to its operation. In 2016, an Automatic Vehicle Location initiative was undertaken by the Operations Support Division to begin to gather and assess vehicle data. This type of vehicle technology can offer great insight into the fleet and offer opportunities to focus efforts in the areas where environmental and cost saving benefits can be achieved. Similar systems are used in the Peel Paramedic and Transhelp fleets. Recent vehicle data collected indicates that there is an opportunity to reduce unnecessary idling in fleet vehicles to save GHG emissions and fuel costs.

In addition to automatic vehicle location data, a significant number of kilometers are driven by Regional employees for business purposes using their own personal vehicles which are reimbursed by the Region. These reimbursed kilometers are captured as part of Peel's corporate emission reporting and using average fuel efficiency estimates, they are contributing over 600 tCO<sub>2</sub>e annually related to Peel's operations. There may be an opportunity to reduce these emissions through an enhanced Regional vehicle pool of fuel efficient vehicles and through corporate initiatives such as Workplace Modernization.

Action 2 Evaluate available automatic vehicle location and other fleet data to refine the types of vehicles and conditions that lead to excessive idling in Peel's fleet. This will allow us to identify vehicle utilization trends and efficiency opportunities in the fleet related to the number of vehicles and route optimization opportunities to reduce fuel consumption in vehicles used in various Regional operations.

Action 3 Use excessive idling statistics to identify internal policy refinements and technological tactics to reduce idling in the fleet.

Action 4 Gather and refine the data on the number of kilometers driven related to Peel's employee personal vehicle business travel. Identify opportunities to reduce these kilometers through an enhanced Regional vehicle pool of high fuel efficient vehicles or other relevant tactics.

## APPENDIX I THE REGION OF PEEL'S GREEN FLEET STRATEGY

### c) Alternate and Renewable Lower-Carbon Fuel Research and Transitioning

Within the current fleet, there are opportunities to pilot and evaluate lower-carbon fuel alternatives that can provide GHG emission reduction in the near-future. In the medium-term (2023-2027) and long-term (2028-2050), alternate fuels will form an important component of achieving the Strategy's GHG emission reduction targets. These emerging fuels and vehicle technologies will continue to be evaluated for their feasibility and large-scale applications in the fleet and currently includes the following options for further research:

#### Short-Term (2018-2022)

- Ethanol (E85) blends of fuel
- Biodiesel (B20) blends of fuel

#### Medium-Term (2023-2027) to Long-Term (2028-2050)

- Ethanol (E85) blends of fuel
- Biodiesel (B20) blends of fuel
- Compressed Natural Gas
- Renewable Natural Gas

- Action 5 Evaluate and introduce pilot studies of alternate lower-carbon fuels for select vehicles in the fleet. This may include the trial of higher blend ethanol fuel and biodiesel blends based on seasonality considerations for select fleet vehicles across light, medium, and heavy duty vehicle classes.
- Action 6 Evaluate larger-scale lower-carbon fuel transitions in Peel's fleet based on the results of the alternate fuel pilot studies. Where appropriate, present recommendations to Regional Council for consideration and budget approval.
- Action 7 Continue to evaluate medium-term (2023-2027) and long-term (2028-2050) fuel options and evolving vehicle technology for Peel's fleet that aligns to Peel's medium and long-term GHG emission targets.

### d) Procurement Practices, Green Vehicle Specifications and Vehicle Selection Hierarchy

Through the baseline work of the Green Fleet Strategy, it was identified that there are opportunities to better align the GHG emission reduction goals with Peel's internal procurement practices. Currently there are limited formal internal processes related to vehicle replacements and acquisitions for the fleet which can be a barrier when looking to influence meaningful GHG emission reduction.

Through research and stakeholder engagement, a vehicle selection hierarchy can be developed for all vehicle classes that ensure future fleet vehicles meet the basic operational requirements for the work while achieving GHG emission reduction benefits.

## APPENDIX I THE REGION OF PEEL'S GREEN FLEET STRATEGY

The development of more formal internal approaches to vehicle selection, to use with the vehicle selection hierarchy can also support improvement in the green vehicle specifications included in the Region's procurement practices and documents.

- Action 8 Through collaboration with fleet stakeholders, develop and launch vehicle selection criteria hierarchies for all vehicle classes across Peel's fleet. Refine and formalize internal vehicle request processes to have an increased focus on environmental objectives that increase vehicle selection dialogue and align to the goals of the Green Fleet Strategy and corporate GHG emission targets.
- Action 9 Through collaboration with the Region's Purchasing Department and fleet stakeholders, identify vehicle options and specifications that meet operational needs and align to the Region's GHG emission reduction targets. Develop business practice enhancements (for example procurement evaluation matrices) to have an increased environmental focus so that in addition to vehicles meeting the operational needs will also consider vehicle tailpipe and lifecycle emissions.
- Action 10 Identify aftermarket technologies, in addition to those available through vehicle manufacturers, which can be applied to various vehicle types and classes in Peel's fleet to achieve GHG emission reduction benefits.
- Action 11 Continue to identify and pursue grant funding and incentive opportunities to reduce the capital budget pressure for fleet vehicle acquisitions and related equipment.

### e) Stakeholder Engagement, Education and Outreach Tactics, and Fleet Operational Best Practices

Internally, Peel has maintained good collaborative working relationships among fleet users, but there is an opportunity to increase dialogue with fleet stakeholders on the goals of the Strategy and corporate GHG emission reduction targets. Stakeholder engagement paired with education and outreach to understand and address driver behaviours will be vital to achieving many of the identified actions of the Strategy.

Fleet operational best practices are those that address operational fleet needs while balancing environmental benefits and financial implications. Common fleet operational best practices include tactics such as reducing unnecessary vehicle trips, underutilized fleet vehicles and employee training enhancements.

- Action 12 Identify stakeholders in the organization who will be impacted through the vehicle replacement cycle and that will require new vehicle acquisitions for their operations over the next five years.
- Action 13 Form a stakeholder working group with identified stakeholder groups, as a component of advancing the actions of the Green Fleet Strategy. The stakeholder working group will also assist in planning for change management in the fleet, as opportunities are identified and implemented.

**APPENDIX I  
THE REGION OF PEEL'S GREEN FLEET STRATEGY**

- Action 14      Develop internally focused education and outreach tactics to reduce excessive idling and improve driving behaviours in Peel's fleet in the short-term (2018-2022), medium-term (2023-2027) and long-term (2028-2050) Strategy implementation phases. This may include an enhancement to driver training education activities and the development of increased driver awareness around idling statistics and impacts on the fleet GHG emission profile. Refine these tactics as necessary to account for change management requirements and achievements toward the corporate and Strategy GHG emission reduction targets.
- Action 15      Identify opportunities with stakeholder operations that have the potential to advance the objectives of the Green Fleet Strategy and reduce fleet related GHG emissions. For example, this may include the opportunity to use renewable natural gas produced from anaerobic digestion of the Region's organic waste as a fuel source for Peel's fleet vehicles in the medium and long-term implementation phases.

## APPENDIX II THE REGION OF PEEL'S GREEN FLEET STRATEGY

### Advancements of Available Technologies and Fuels for Fleets and Other Fleet Greening Opportunities

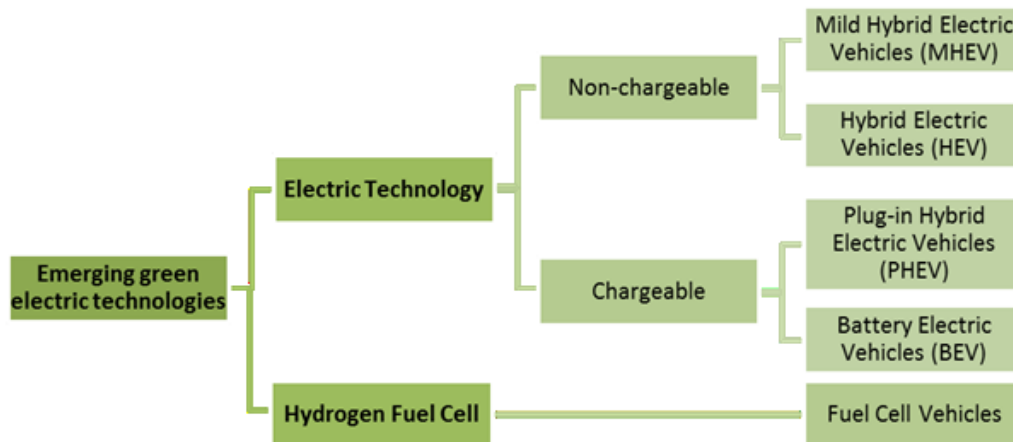
As part of the review of fleet practices, a scan of available technologies to support the reduction of fleet related emissions for Peel was completed. Vehicle technologies are constantly changing, however feasible opportunities were identified for further consideration for Peel's fleet as emerging technologies are refined and become more widely available in the market.

These opportunities include emerging Green Electric Technologies, Alternative Lower Carbon Fuels, Green Vehicle Specifications, and Fleet Operational Best Practices.

#### i) Emerging Green Electric Technologies

Over the past few decades, electric transportation technologies have been rapidly developing and gaining popularity in the market. These technologies offer significantly reduced or no tailpipe emissions and vastly improved energy efficiency. An overview of available technologies is provided in Figure 1 below.

**Figure 1: Emerging Green Electric Technologies**



There are a number of electric vehicle technologies currently available in the market. They include:

- Mild hybrid electric vehicles are generally vehicles equipped with internal combustion engines and a motor/generator in a parallel combination allowing the engine to be turned off whenever the car is coasting, braking, or stopped and which restart quickly. They do not have an exclusive electric-only mode of propulsion.
- Hybrid electric vehicles are vehicles that use two or more distinct types of power as the modes of propulsion, (such as an internal combustion engine coupled with an electric motor) however these vehicles provide a limited range when in electric mode.

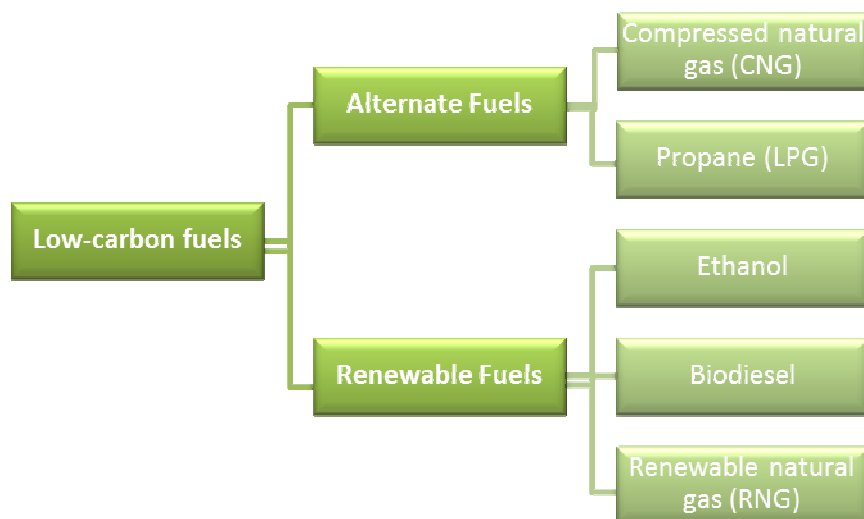
## APPENDIX II THE REGION OF PEEL'S GREEN FLEET STRATEGY

- Plug-in hybrid electric vehicles are hybrid electric vehicles that use rechargeable batteries, or another energy storage device, that can be recharged by plugging it in to an external source of electric power. These vehicles can travel considerable distances in electric-only mode. Once the battery power is low, the gasoline internal combustion engine turns on and extends the range. These vehicles typically have the same range as their gasoline counterparts.
- Battery electric vehicle or all-electric vehicles are propelled by one or more electric motors, using electrical energy stored in rechargeable batteries. Compared with cars with internal combustion engines, electric cars are quieter and have no tailpipe emissions. In recent years, battery electric vehicle driving range has been extended considerably. This allows for much wider applications in a variety of functions.
- Hydrogen and fuel cell technology are able to produce electricity with zero tailpipe emissions. Currently, most hydrogen is being produced from fossil sources so at this time there is no emission benefit to switch to hydrogen powered vehicles. As of March 2018, this technology is not yet available in Ontario.

### ii) Alternate and Renewable Lower-Carbon Fuels

Among all fleet emission reduction options, lower-carbon fuel transitions are one of the fastest ways to reduce emissions in the short term. Available options are shown in Figure 2.

**Figure 2: Lower-Carbon Fuel Opportunities**



In 2016, the Region of Peel used a combined 4.5 million litres of fuel which was primarily gasoline, diesel and propane. There are other fuels that the Region has trialed in some applications. The technical review looked at the benefits and drawbacks of these different fuel

**APPENDIX II  
THE REGION OF PEEL'S GREEN FLEET STRATEGY**

options. These fuels have been further detailed in the Green Fleet Strategy, and included a comparison of potential GHG emission reductions based on fuel type.

**iii) Green Vehicle Specifications**

There are several vehicle specifications that can help in greening Peel's fleet and produce significant vehicle lifecycle emission reductions. These can include specifications such as smaller and lighter vehicles and enhancement to procurement policies and practices.

There are opportunities to enhance the environmental considerations in the vehicle specifications to evaluate the overall lifecycle eco-footprint of vehicles.

**iv) Fleet Operational Best Practices**

Best practice in fleet management includes initiatives and activities that make the most efficient use of vehicles to balance operational requirements with financial impacts. There is an opportunity to increase the focus of environmental considerations with these existing requirements to achieve further efficiency in Peel's fleet operations and reduce fleet GHG emissions.

# The Region of Peel's Green Fleet Strategy

**Shaun Hewitt CPA, CMA**  
**Director of Operations Support**  
**Region of Peel**



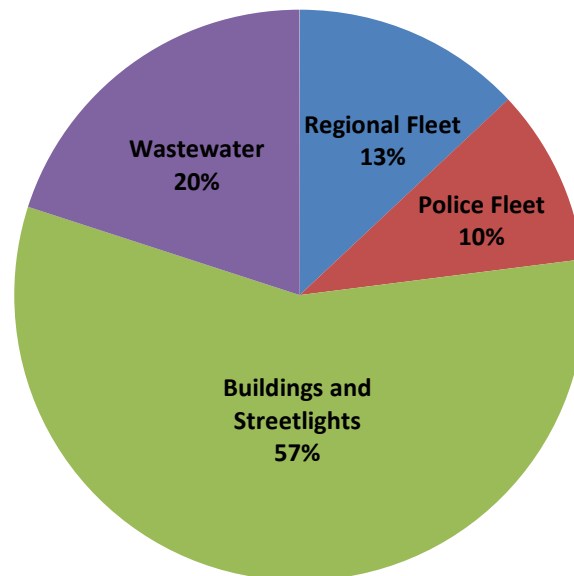
# Introduction

- The Green Fleet Strategy aligns to a Term of Council Priority to “Adapt To and Mitigate the Effects of Climate Change”
- Focus is on mitigation of fleet related GHG emissions (excluding Peel Police)
- Corporate target of 80 percent reduction below 1990 emission levels by 2050

# Corporate GHG Emission Inventory

- Total fleet contributed 23% of the 2016 overall corporate emission profile of approx. 77,000 tCO<sub>2</sub>e
- The Regional fleet for this Green Fleet Strategy accounts for 13% of the 2016 corporate profile

2016 Corporate Greenhouse Gas Emissions [tCO<sub>2</sub>e]



# Fleet and Equipment Composition

- Peel's fleet consists of over 700 vehicles and 465 pieces of equipment

Vehicle Classification	Unit Count (as of Mar 2018)	Example Vehicles and Equipment
Light-Duty Vehicles	614	Passenger Cars, Vans, and SUV's, Ambulances, TransHelp Buses
Medium-Duty Vehicles	38	Construction and Low Profile Dump Trucks
Heavy-Duty Vehicles	58	Dump and Vector Trucks
Heavy-Duty Equipment	45	Articulated Loaders and Backhoe's
Standard Equipment	420	Forklifts, Generators and Pumps
<b>Total</b>	<b>710 vehicles, 465 pieces of equipment</b>	

# Fleet Related GHG Emissions

- The fleet emission profile has continued to grow with increased demands for vehicles and Regional services
- Began measuring GHG impacts in 2010 and estimated 1990 baseline

	1990*	2010	2013	2014	2015	2016
<b>Fleet Size (vehicles and equipment)</b>	479	825	989	1016	1086	1,142
<b>tCO<sub>2</sub>e</b>						
<b>Actual Emissions</b>	3,957	6,785	8,723	9,679	9,601	10,181
<b>Projected Emissions</b>	-	6,895	9,430	10,657	10,867	11,751
<b>Emission Avoidance (cumulative)</b>	-	110	707	978	1,266	1,570

\*estimated

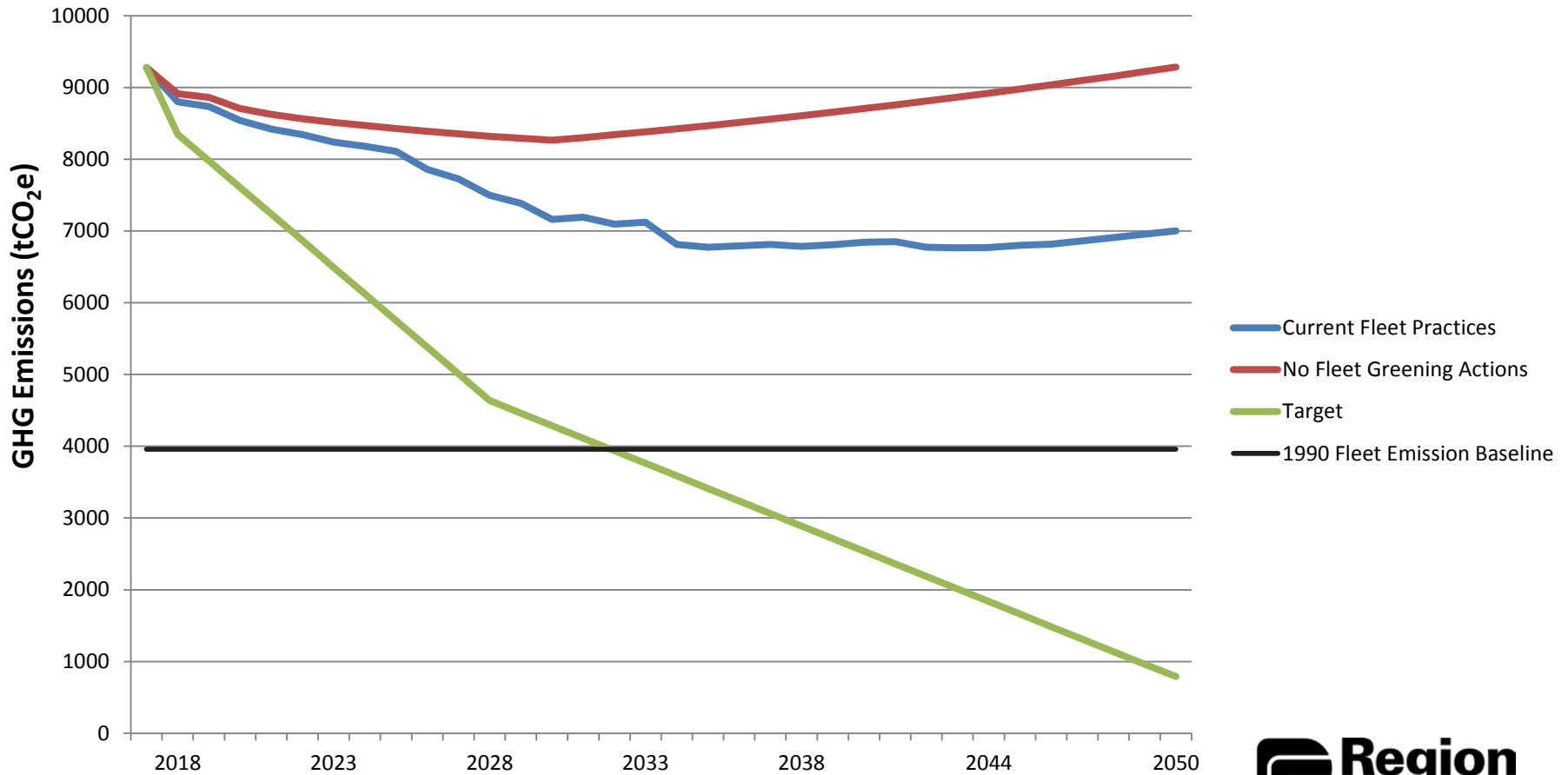
# Historical Fleet Initiatives

- Good effort across organization to reduce GHG emissions
- Have slowed the rate of growth in fleet GHG emissions
  - Over 50 hybrid vehicles
  - Right-sizing vehicle needs with client groups
  - Alternate fuel transitions (e.g. TransHelp propane fleet)
  - Lighter vehicle components
  - LED lighting

# Historical Fleet GHG Emission Avoidance

- Fleet greening initiatives have cumulatively avoided 13% GHG emissions (1,570 tCO<sub>2</sub>e) since 2010
- Still not enough to meet long-term target

# Forecast of Current Fleet Practice



## Balanced Fleet Greening Approach

- Technical review narrowed down numerous potential scenarios to a balanced recommended approach
- Focuses on current feasible technologies and fuels
- May change in the medium-term (2023-2027) and long-term (2028-2050) as technology and fuels evolve



## Balanced Fleet Greening Approach

- High focus on battery electric vehicles in light-duty fleet over time
- Alternate fuels (ethanol and biodiesel) in short and medium-term
- Transitions to compressed natural gas and renewable natural gas in medium and heavy-duty fleet and equipment from 2023-2050

## Potential GHG Impact

- Based on current technologies and fuels, 2050 target cannot be met
- Balanced approach gets us close to the long-term target
- Green Fleet Strategy tactics can achieve approximately 64% below 1990 emission levels by 2050
- Expected to improve in time with technology and fuel improvements

# Green Fleet Strategy Implementation

- 15 preliminary Strategy actions identified across five categories to get us started
- Many of the actions can be completed within existing fleet budgets
- Resources or initiatives beyond current budgets will be included in future annual budget cycles for consideration

# Questions?

DATE: May 16, 2018

REPORT TITLE: **ACCESSIBLE TRANSPORTATION MASTER PLAN UPDATE**

FROM: Janette Smith, Commissioner of Public Works

### **RECOMMENDATION**

**That the 2018 budget for TransHelp be restated to include 12 additional Full Time Equivalents (FTEs) for the use of Regional bus operators to support trip growth from previous years;**

**And further, that the Commissioner of Public works be authorized to execute agreements for the Passenger Assistant Program and TransHelp trips in Caledon, between the Region of Peel and Caledon Community Services, together with such ancillary documents that may be required, for an initial one year period with the option for the Region to extend the Agreements, at its sole discretion, for an additional four optional one-year periods, in the estimated annual amount of \$650,000 (excluding applicable taxes), subject to program performance, service, pricing and approved budget, in accordance with Purchasing By-law 113-2013, as amended or replaced from time to time;**

**And further, that the Director of Procurement be authorized to increase the contract values where the actual annual Passenger Assistance Program and TransHelp trip requirements exceed the estimates, to the limits of the approved budget, in accordance with Purchasing By-law 113-2013, as amended or replace from time to time;**

**And further, that the foregoing recommendations be conditional upon the completion of successful negotiations of the terms and conditions of these agreements and the receipt of all legal documentation being in a form satisfactory to the Commissioner of Public Works and the Regional Solicitor.**

### **REPORT HIGHLIGHTS**

- Regional staff continues to engage an advisory group of Councillors to guide the service delivery, financial and resident impacts from the implementation of the Accessible Transportation Master Plan
- \$1 million was included in the 2018 budget to reflect unbudgeted service demand growth from previous years, which contributed to TransHelp deficits in prior years. This growth should continue to be delivered through Regional bus operators as staff continues to improve service delivery quality from third party contractors.
- An amendment to the 2018 budget for 12 Full-time Equivalents is requested to complement the existing \$1 million approved budget.

## ACCESSIBLE TRANSPORTATION MASTER PLAN UPDATE

- The long term budget impact from service demand growth due to 2017 *Accessibility for Ontarians with Disabilities Act* (AODA) legislation changes could range from \$28 million to \$32 million in 2021, compared to the \$23 million included in the 2018 budget. By 2023, the projected budget could range from \$31 million to \$39 million.
- Since the Red Cross will no longer provide transportation services on behalf of TransHelp after August 2018, Red Cross dialysis passengers have been successfully integrated into the TransHelp service, and Regional staff continues to work with the Mississauga Halton LHIN to develop a replacement program for the Red Cross Passenger Assistant Program passengers.
- The agreements with Caledon Community Services to provide services on the Region's behalf in the Town of Caledon have lapsed and Regional staff recommend entering into new agreements up to 2023 to allow sufficient time to review options to support Caledon's long term paratransit needs.

## DISCUSSION

### 1. Background

On January 9, 2014 Regional Council endorsed the Accessible Transportation Master Plan ("Plan"), which set the course for changes as a result of the *Accessibility for Ontarians with Disabilities Act* (AODA) as well as changes in the TransHelp structure and delivery model to ensure the program's long term sustainability. In 2017 the AODA eligibility criteria expanded to include passengers with disabilities other than physical disabilities, resulting in increased demand and complexity for TransHelp's service. The Plan continues to be implemented in order to ensure TransHelp's service delivery model is sustainable in the long run. The Accessible Transportation Master Plan Council Advisory Group has been working with TransHelp from the Plan's inception and continues to provide insight and advice.

### 2. Full-Time Equivalents Impact to Support Previous Period Service Growth

As a follow up to the Regional Council review on October 12, 2017, the 2018 budget included a \$1 million increase to make permanent annual one-time investments made over previous years to support the increased demand for trips (39,000 trips), which were not included in previous base budgets. This contributed to TransHelp's budget deficits reported in prior years. This demand has been filled by the use of part time Regional bus operators. While the financial amount was included in the 2018 budget, the associated Full-Time Equivalents (FTEs) impact was not. Prior to adding the associated FTEs, an analysis was completed to assess the appropriate mix between Regional bus operators and third party contractors to support this increase in service demand.

The results indicate that the cost to deliver 39,000 trips is approximately \$300,000 higher using Regional bus operators compared to third party contractors. The main drivers for this variance are the salary and benefit entitlements that Regional bus operators receive through the collective bargaining agreement, which are less through third party private contractors. While third party contractors are more cost effective, the quality of service is significantly better using Regional bus operators. After review of the complaints per 1000 trips, the number of customer complaints is 71 per cent higher through third party contractors compared to Regional bus operators. With the recent staff investments in service delivery,

**ACCESSIBLE TRANSPORTATION MASTER PLAN UPDATE**

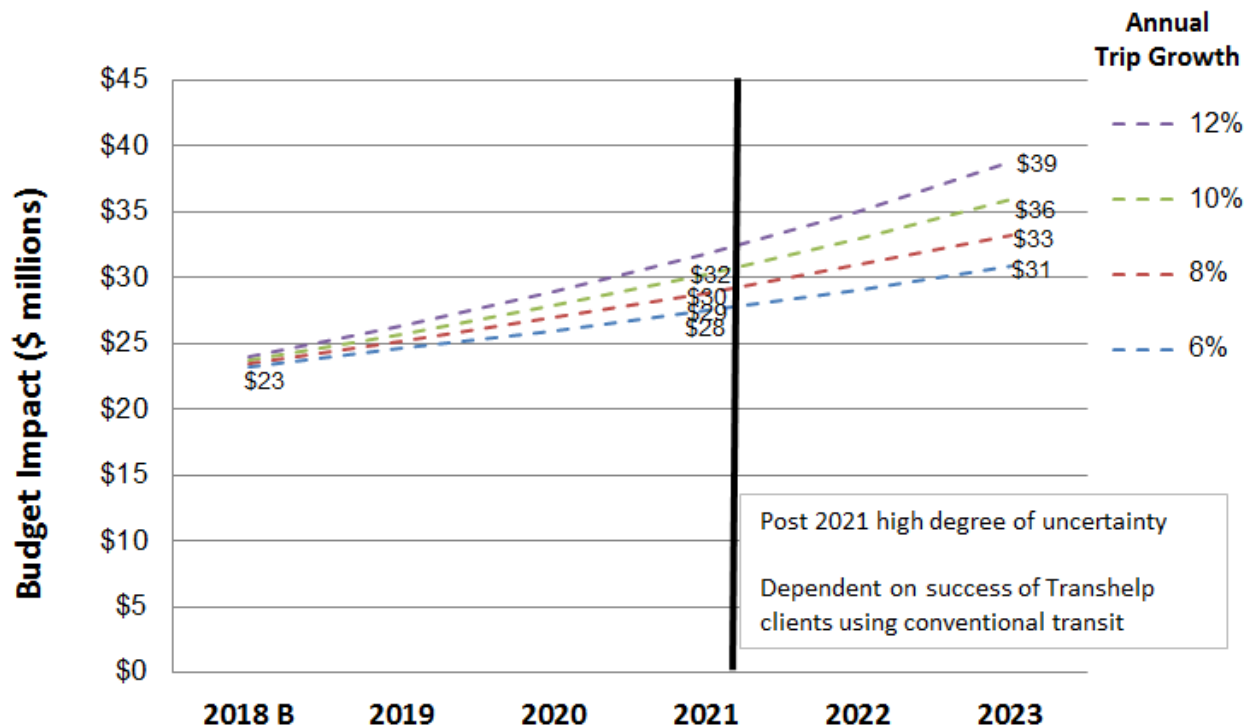
staff is heightening the focus on quality of third party delivery to eventually align closer to Regional bus operators standards. While these quality improvement initiatives are underway, staff recommends that the existing 39,000 trips continue to be delivered through Regional bus operators. This would result in an adjustment to 2018 budget of 12 FTEs. As noted above, there is no financial impact as it was already included in the approved 2018 budget.

Although we will continue to use TransHelp buses, we recognize that there is a cost benefit to using third party vendors for future growth. Staff will continue to review both performance quality of third party contractors along with service growth from AODA changes to determine the long term optimal delivery mix between the Regional bus operators and third parties. The findings will be reviewed as part of future Council Advisory Group and Regional Council updates.

**3. Long Term Budget Impact of Trip Growth**

As a follow up to the October 12, 2017 Regional Council review, below is a chart depicting the budget impacts at various levels of service growth over the next five years.

**Projected Budget Impacts of Service Growth**



\*Assumes trip growth delivered through 3rd parties

As shown in the graph, the TransHelp 2018 budget is \$23 million. By 2021, the budget could range from \$28 million to \$32 million if service grows between 6 per cent and 12 per cent.

**ACCESSIBLE TRANSPORTATION MASTER PLAN UPDATE**

As mentioned in previous reports to Council, both the City of Brampton and City of Mississauga have made investments to help enable residents with travel barriers to use conventional public transit. The Region and both Cities will continue to partner together to promote and educate residents of the benefits from the use of conventional transit. As a result, beyond 2021, the degree of uncertainty increases as service growth is largely dependent on the success of TransHelp passengers using conventional public transit. In five years, or by 2023, the projected budget could range from \$31 million to \$39 million if service continues to grow between 6 per cent and 12 per cent.

**4. Red Cross Update**

The Canadian Red Cross has delivered dialysis and Passenger Assistant Program trips on behalf of TransHelp since 2006. In November 2017 the Red Cross informed the Region of Peel that it was exiting from providing transportation services in this area so it can focus on programs more aligned with its core areas of expertise. As a result, it will no longer provide dialysis trips or Passenger Assistant Program trips past August 2018.

**a) Dialysis Passengers**

In the past, Red Cross provided transportation for ambulatory dialysis passengers. As Red Cross will be exiting from the provision of transportation services, TransHelp transitioned all 38 ambulatory dialysis passengers seamlessly in January 2018.

**b) Passenger Assistant Program**

The Passenger Assistant Program (the “Program”) provides an attendant on board vehicles to help passengers as needed. The Program was developed in 2006 to address passengers who had cognitive or developmental disabilities, not physical disabilities, and thus were not eligible for TransHelp at the time. Under the new AODA eligibility criteria, individuals with cognitive or developmental disabilities may now be eligible for TransHelp, however providing an attendant to travel is beyond TransHelp’s role as a specialized public transit service. As directed by Regional Council, the Program continues to operate at current passenger levels of 115 passengers. In 2015, staff committed to come back to Regional Council with a plan for the future of this program.

Since that time, staff have been working with the Mississauga Halton Local Health Integrated Network (LHIN) to develop an alternative program, which would be managed and funded by the LHIN as a health related service. The Red Cross’s planned withdrawal from transportation has made this work even more pressing.



**ACCESSIBLE TRANSPORTATION MASTER PLAN UPDATE**

Within Brampton and Mississauga boundaries, there are approximately 100 residents enrolled in the Program, and the need continues to grow. TransHelp has been working with the LHINs to develop a plan that will enable the program to continue to serve Brampton and Mississauga residents. At this time Central West LHIN is in discussion with Mississauga Halton LHIN to discuss what role they may play in this new program. Through this collaboration, TransHelp has provided transportation expertise to help ensure a new program will be in place by August 2018.

Under a LHIN managed program, the user costs may be different from those charged in the current Passenger Assistant Program; however, as is the case with other health related user fees, the LHINs also manage subsidy and relief programs to help make it as affordable as possible to residents.

In anticipation that the transition will begin by July 2018, TransHelp will need to begin the process of transferring the Passenger Assistant Program passengers over to the service that best suits their needs. The Passenger Assistant Program passengers will need to be reassessed under the updated AODA criteria to see if they qualify for TransHelp. If the passenger does not qualify, he or she would be transferred to the newly introduced LHIN Passenger Assistant Program.

Regional staff will continue working with the Mississauga Halton LHIN to finalize the new program to address the needs of the Region of Peel's Passenger Assistant Program passengers, and once an alternative is in place, transfer existing passengers to the new program and end the Region's Passenger Assistant Program service within Brampton and Mississauga boundaries. Regional staff will return to Council with an update in the future.

**5. Caledon Community Services**

Caledon Community Services has been under contract to Region of Peel since June 2000. The agency provides most of the TransHelp trips in Caledon, including Passenger Assistant Program service. Although transitioning the Passenger Assistant Program to the LHIN is planned over time, Caledon Community Services is still required to deliver service on TransHelp's behalf until such a plan is developed. As the current agreements have lapsed, staff recommends entering into new agreements with Caledon Community Services to reflect the Region's requirements for a one year period, with the option for the Region to extend the Agreements, at its sole discretion, for an additional four optional one-year periods, in the estimated annual amount of \$650,000 (excluding applicable taxes), subject to program performance, service, pricing and approved budget, in accordance with Purchasing By-law 113-2013, as amended or replaced from time to time.

The Town of Caledon is currently undergoing a transit feasibility study, which along with the LHIN related initiatives will be key to determine how to best provide TransHelp service in Caledon in the future.

ACCESSIBLE TRANSPORTATION MASTER PLAN UPDATE

FINANCIAL IMPLICATIONS

There is no financial impact as the 2018 budget already includes \$1 million related to the addition of 12 FTEs.

The \$600,000 budget reduction of transferring Passenger Assistant Program passengers to the Mississauga Halton LHIN will be included in the 2019 budget submission.



Janette Smith, Commissioner of Public Works

**Approved for Submission:**



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D. Szwarc, Chief Administrative Officer

*For further information regarding this report, please contact Steven Fantin, Director, TransHelp, extension 4438, [steven.fantin@peelregion.ca](mailto:steven.fantin@peelregion.ca).*

*Authored By: David Margiotta; Manager, Performance Measurement & Master Plan Implementation and Rhiannon Oliveira; Supervisor, Quality & Planning*

*Reviewed in workflow by:*

Purchasing  
Financial Support Unit

DATE: May 16, 2018

REPORT TITLE: **CLEAN WATER ACT REQUIREMENTS - AMENDMENTS TO THE ASSESSMENT REPORTS AND SOURCE PROTECTION PLAN**

FROM: Janette Smith, Commissioner of Public Works

## RECOMMENDATION

That the proposed revisions to the Credit Valley and Toronto and Region Assessment Reports and the Credit Valley-Toronto Region-Central Lake Ontario (CTC) Source Protection Plan prepared by the CTC Source Protection Committee attached as Appendix I to the report of the Commissioner of Public Works titled “*Clean Water Act Requirements - Amendments to the Assessment Reports and Source Protection Plan*” be endorsed, in accordance with the *Clean Water Act, 2006*;

And further, that a copy of this resolution and the subject report be forwarded to the CTC Source Protection Committee for their information and appropriate actions.

### REPORT HIGHLIGHTS

- Regional staff has been engaged in the policy revisions and amending necessary technical content through the CTC Source Protection Committee Amendments Working Group.
- Prior to conducting public consultation on a Section 34 amendment, the *Clean Water Act, 2006* requires that source protection authorities obtain a municipal Council resolution from each municipality affected by the proposed amendments.
- Regional staff will continue to advocate for consistent implementation of source water protection and ensure the Region’s interests continue to be met.

## DISCUSSION

### 1. Background

Multi-stakeholder source protection committees, supported by source protection authorities, led the process of implementing the *Clean Water Act, 2006* (the Act) through the preparation of science-based assessment reports and local source protection plans. The Act enables assessment reports and source protection plans to be amended using one of four methods:

- A locally initiated amendment under Section 34;
- A minister ordered amendment under Section 35;
- An update resulting from the review under Section 36; or

**CLEAN WATER ACT REQUIREMENTS – AMENDMENTS TO THE ASSESSMENT REPORTS AND SOURCE PROTECTION PLAN**

- An amendment under Section 51 of O. Reg. 287/07 for minor and administrative revisions.

The method used will depend on factors such as the level of complexity of the revisions and the time sensitivity.

The Act requires source protection authorities to carry out pre-consultation with impacted bodies responsible for implementing policies prior to conducting broader public consultation on amendments. The Act also requires source protection authorities to obtain a municipal Council resolution from each municipality affected by the proposed amendments. A municipality may be considered 'affected' if it is located within a geographic area related to the amendments, and / or the municipality is responsible for taking actions or otherwise implementing source protection policies related to the amendments.

The public consultation period must be for a minimum timeframe of 35 days, and notification of this consultation must be provided to all implementing bodies, persons believed to be engaged in significant drinking water threat activities, and affected municipalities. Notices must also be published on the applicable source protection region website and in the local newspaper. The requirements for amendments are similar to those in place when source protection plans were initially developed.

**2. Decision Making and Approvals Process**

In 2017, the CTC Source Protection Committee endorsed the recommendation to proceed with a Section 34 amendment to address gaps and implementation challenges. Regional staff has been engaged with municipal partners in the policy revisions and amending necessary technical content through a working group. A number of policy amendments, technical content revisions, and implementation challenges have been addressed for inclusion in the Section 34 amendment as highlighted below:

- Clarifications related to protecting groundwater recharge and performing water balance assessments
- Land use planning conformity timelines have been revised to provide more flexibility
- Revised restricted land use policies to clarify the autonomy of Risk Management Officials
- Clarified the intent for site plan control related to future septic systems
- A management approach has been extended to future storage of snow activities
- Areas where application of road salt policies would apply have been extended to ensure a consistent approach
- Updated mapping for significant groundwater recharge and wellhead protection areas

A more detailed overview of the proposed technical revisions contained within the Credit Valley and Toronto and Region Assessment Reports, the proposed revisions to policies in the CTC Source Protection Plan, and the rationale for decisions made are attached as Appendix I to this report.

## **CLEAN WATER ACT REQUIREMENTS – AMENDMENTS TO THE ASSESSMENT REPORTS AND SOURCE PROTECTION PLAN**

The Region has requested a further technical amendment to address the current inconsistencies in methodologies used to delineate the Significant Groundwater Recharge Areas in the Toronto and Region and Credit Valley Source Protection Authorities jurisdictions. Regional staff has been advised that this issue will be addressed in the second Section 34 amendment in early 2019. Regional staff will continue to advocate an earlier timeline to the CTC Source Protection Committee as the preference is to have this completed as part of this submission if timing permits.

### **3. Proposed Direction**

The CTC Source Protection Authority will seek Council resolutions from all 33 municipalities within its jurisdiction. The CTC Source Protection Committee will review the comments and Council Resolutions obtained during pre-consultation at their meeting in June 2018. Consultation with the public will take place for a period of 35 days through late June and July 2018. Notification of this consultation will be provided to all implementing bodies, including affected municipalities. Following the public consultation period, the Section 34 amendment will be endorsed by the three source protection authorities in the CTC Source Protection Region prior to submission to the Ministry of the Environment and Climate Change in late September 2018 for final approval.

### **FINANCIAL IMPLICATIONS**

There are no financial implications associated with this report.

### **CONCLUSION**

This report has been prepared for the purpose of the statutory requirement that source protection authorities obtain municipal Council resolution from each municipality affected by proposed amendments to the assessment reports and source protection plan. Regional staff will report back to Council, as necessary, on any additional obligations or for authorizations required under the Act. Regional staff will continue to advocate for consistent implementation of source water protection and ensure the Region's interests continue to be met.



Janette Smith, Commissioner of Public Works

### **Approved for Submission:**




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D. Szwarc, Chief Administrative Officer

**CLEAN WATER ACT REQUIREMENTS – AMENDMENTS TO THE ASSESSMENT  
REPORTS AND SOURCE PROTECTION PLAN**

**APPENDICES**

Appendix I - Proposed Policy and Technical Revisions Overview

*For further information regarding this report, please contact Therese Estephan, Advisor, Source Water Protection/Risk Management Official, Water and Wastewater Division at ext. 4339 or via email at [therese.estephan@peelregion.ca](mailto:therese.estephan@peelregion.ca).*

*Authored By: Therese Estephan, Advisor, Source Water Protection / Risk Management Official, Water and Wastewater Divisions.*

*Reviewed in workflow by:*

Integrated Planning

**APPENDIX I****CLEAN WATER ACT REQUIREMENTS – AMENDMENTS TO THE ASSESSMENT REPORTS AND SOURCE PROTECTION PLAN****PROPOSED POLICY AND TECHNICAL REVISIONS OVERVIEW****Amendments to Transition Provision**

Under the *Clean Water Act, 2006*, there is consideration for source protection plans to have a Transition Provision that outlines the circumstances under which a “future” drinking water threat activity, that would otherwise be prohibited, may be considered as “existing”, even if the activity has not yet commenced. The intent is to allow applications in transition to proceed while drinking water threats are managed under the “existing threat” policies.

The Credit Valley-Toronto Region-Central Lake Ontario (CTC) Source Protection Committee included a Transition Provision to recognize situations where an approval-in-principle to proceed with a development application had already been obtained, or where a complete application was made prior to the date the CTC Source Protection “Plan” came into effect, but requires further planning approvals to implement the application in progress.

Feedback from municipal staff revealed that a great deal of uncertainty exists regarding the applicability of the CTC Plan transition policy in relation to the REC-1 policy and the autonomy afforded to planning approval authorities to use a certain level of discretion during policy implementation.

The Amendments Working Group determined that the Provision should clearly indicate when a threat can be considered “existing” for in-progress development proposals and clarify when a water balance is needed for transitioning applications. Moreover, the Provision should specify that, for transitioning applications that would result in an increase of impervious surface, a water balance assessment, or equivalent, is still generally required, however, based on the scale and location of development, the Planning Approval Authority has a certain level of flexibility regarding water balance requirements.

**Amendment to Official Plan and Zoning By-Law Conformity Timeline**

Section 40(1) of the *Clean Water Act, 2006* requires that the Council of a municipality or a municipal planning authority that has jurisdiction in an area to which the source protection plan applies shall amend its Official Plan to conform with significant threat policies and designated Great Lakes policies set out in the source protection plan. In part 2 of Section 40, the Council or municipal planning authority are required to make these amendments before the date specified in the source protection plan.

Timeline T-8 in the CTC Source Protection Plan required that Official Plans be amended for conformity within 5 years from the date the Plan took effect (i.e., December 2020).

Several upper tier municipalities within the CTC Source Protection Region have communicated the difficulty with achieving the December 2020 timeline as outlined in the CTC Source Protection Plan which also impacts the ability of those lower tier municipalities dependent on the completion of the conformity exercise by their upper tier counterparts in meeting the same timeline. Further, the Government of Ontario released the Growth Plan for the Greater Golden Horseshoe (‘Growth Plan’) in May 2017. The Growth Plan was prepared and approved under the *Places to Grow Act, 2005* and took effect on July 1, 2017. Upper Tier municipalities are

**APPENDIX I****CLEAN WATER ACT REQUIREMENTS – AMENDMENTS TO THE ASSESSMENT REPORTS AND SOURCE PROTECTION PLAN****PROPOSED POLICY AND TECHNICAL REVISIONS OVERVIEW**

expected to review and update their Official Plans to conform with the updated Growth Plan by July 2022; lower tier municipalities must conform within 1 year of their upper tier counterparts. CTC Source Protection Region municipalities have communicated that completing conformity with the CTC Source Protection Plan and the Growth Plan, 2017, in unison, would be a more time and cost effective approach.

**Amendment to Restricted Land Use Policy (GEN-1)**

Policy GEN-1 manages existing and future activities within vulnerable areas where the activity is or would be a significant drinking water threat as designated under section 59 of the *Clean Water Act, 2006*, by requiring Risk Management Officials to screen applications for works proposed under the *Planning Act*, the *Condominium Act*, and the *Building Code Act, 1992* as amended, excluding residential uses.

Risk Management Officials in the CTC Source Protection Region have communicated that Policy GEN-1, as originally written, had ambiguity regarding their ability to determine when site-specific land uses, activities, or building projects are or are not subject to Section 59 Notice requirements under the *Clean Water Act, 2006*. The revised policy text now has clear policy direction allowing Risk Management Officials the autonomy to determine the site specific land uses that both are and are not subject to Section 59 Notices.

**Amendment to Land Use Planning Policy for Septic Systems Governed under the Building Code Act, 1992 (SWG-3)**

Policy SWG-3 is a land use planning policy for future septic systems, including holding tanks, governed under the *Building Code Act, 1992*, as amended.

The intent of Policy SWG-3 is to ensure that site plan control, as a planning and development control tool, is used to optimize the location and design of septic systems when existing vacant lots of record are proposed to be developed within certain designated vulnerable areas identified in the policy.

The CTC Source Protection Committee recognized that prohibiting a septic system on a vacant lot where there is no municipal sewer connection available may make it impossible to obtain a building permit for the lot and thereby void previous planning decisions to create and zone the lot for development.

SWG-3 has been re-written to clarify that the original intent of the policy is that a septic system would not be prohibited on a vacant lot of record where, if created, it would be a significant drinking water threat. Revision to the text was necessary to ensure that the original intent of the CTC Source Protection Committee is being achieved.



## APPENDIX I

**CLEAN WATER ACT REQUIREMENTS – AMENDMENTS TO THE ASSESSMENT REPORTS AND SOURCE PROTECTION PLAN****PROPOSED POLICY AND TECHNICAL REVISIONS OVERVIEW****Amendment to Storage of Snow Policy (SNO-1)**

Policy SNO-1 addresses existing and future significant drinking water threats as a result of snow storage.

In the approved CTC Source Protection Plan, the policy prohibits the future storage of snow in the WHPA-A, WHPA-B (VS=10), WHPA-E (VS ≥ 9) and in the remainder of an Issue Contributing Area for sodium and chloride.

Given the large surface areas in the Credit Valley Source Protection Area covered by Issues Contributing Areas for sodium and chloride, municipal staff have communicated the difficulty implementing a prohibition of this potential future activity.

Since a number of provisions could be included in a Risk Management Plan to ensure that the storage of snow does not become a significant threat, the CTC Source Protection Committee has opted to manage any future instances of the activity outside of the WHPA-A (100 metre radius of a municipal well).

**Amendment to Planning Policy to Protect Groundwater Recharge (REC-1)**

Policy REC-1 is a land use planning policy that manages activities that reduce recharge to an aquifer. This policy applies to future threats in a Wellhead Protection Areas for Quantity – Recharge (WHPA-Q2) with a significant or moderate risk level.

The Planning Approval Authority, through the plan review process (i.e., *Planning Act* applications) will determine what is required, and determine the acceptability of the proposed actions, in the water balance assessments.

Proposed revisions to this policy through the Section 34 amendment will clarify the intent of the CTC Source Protection Committee in creating this policy, in relation to agricultural uses and in portions of the WHPA-Q2 (only in the Toronto and Region Source Protection Area).

**Amendment to Moderate and Low Threat Policies for the Application of Road Salt (SAL-10, SAL-11, SAL-13)**

The CTC Source Protection Committee has chosen to include a land use planning policy using *Planning Act* tools and a number of Specify Action policies where the threat is low or moderate in recognition that road salt application and storage activities are carried out throughout the source protection region; chloride and sodium are very mobile chemicals that move easily and rapidly into and through aquifers; and that there are many other sources of drinking water that may be protected as well through implementation practices to reduce the threat.

**APPENDIX I****CLEAN WATER ACT REQUIREMENTS – AMENDMENTS TO THE ASSESSMENT REPORTS AND SOURCE PROTECTION PLAN****PROPOSED POLICY AND TECHNICAL REVISIONS OVERVIEW**

The application of road salt is deemed a significant, moderate, or low drinking water threat when a number of criteria are met. To ensure that, at minimum, these land use planning and *Specify Action* policies are applicable in all relevant vulnerable areas within the CTC Source Protection Region, WHPA – A and WHPA  $\leq 10$  have been added to the list of areas where these policies apply.

**Significant Groundwater Recharge Areas (SGRAs) Mapping (Toronto and Region Source Protection Authority Municipalities)**

In 2017, Toronto and Region Source Protection Authority (Authority) staff became aware that the York Tier 3 water budget parameter mapping (i.e., precipitation, evapotranspiration, runoff, and recharge) incorporated into the Approved Toronto and Region Assessment Report (July 2015) were based on the initial recharge estimates used as an input to the fully integrated model and not the final recharge rates simulated by the model.

The original York Tier 3 model, as delivered, was run for the period 2005-2009, much less than the typical 30-year climate normal.

Authority staff arranged for a longer term (Oct 1, 1983 to Sept 30, 2013) recharge estimate to be simulated by the GSFLOW model using the known existing pumping rates and existing land use. The revised outputs are considered to be the best available representation of current average annual conditions.

As a result of running the York Tier 3 model for a longer period of time, new estimates were generated resulting in revised mapping and a new threshold for significant groundwater recharge areas. Seven maps have been revised and are proposed for inclusion in an amended Toronto and Region Assessment Report.

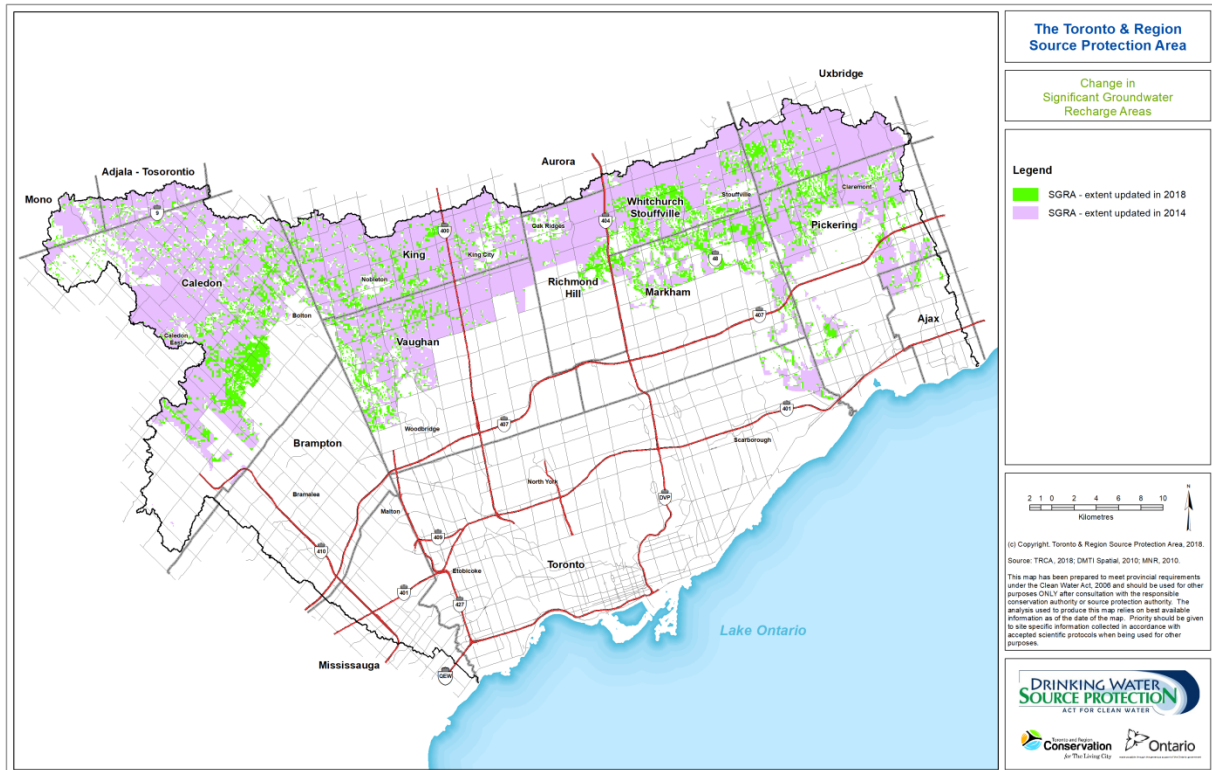
Although the SGRA threshold dropped from 224 mm/yr to 215 mm/yr, the proportion of Significant Groundwater Recharge Areas in Peel Region has increased by about 19% from the values incorporated into the Approved Toronto and Region Assessment Report (July 2015).

Figure 1 below depicts the mapping amendment.

**APPENDIX I  
CLEAN WATER ACT REQUIREMENTS – AMENDMENTS TO THE ASSESSMENT  
REPORTS AND SOURCE PROTECTION PLAN**

**PROPOSED POLICY AND TECHNICAL REVISIONS OVERVIEW**

**Figure 1: Change in Significant Groundwater Recharge Areas**



**Vulnerability Scoring – Alton Wells 3 & 4**

Credit Valley Source Protection Authority staff have identified that the vulnerability mapping for the Wellhead Protection Areas surrounding Alton Wells 3 & 4 in the Credit Valley Assessment Report is incorrect.

A transport pathway is a man-made or natural feature on the landscape that may promote quicker travel of contaminants to the water bearing rock material, than would otherwise occur in the surrounding landscape. Where transport pathways occur, the vulnerability score may be increased.

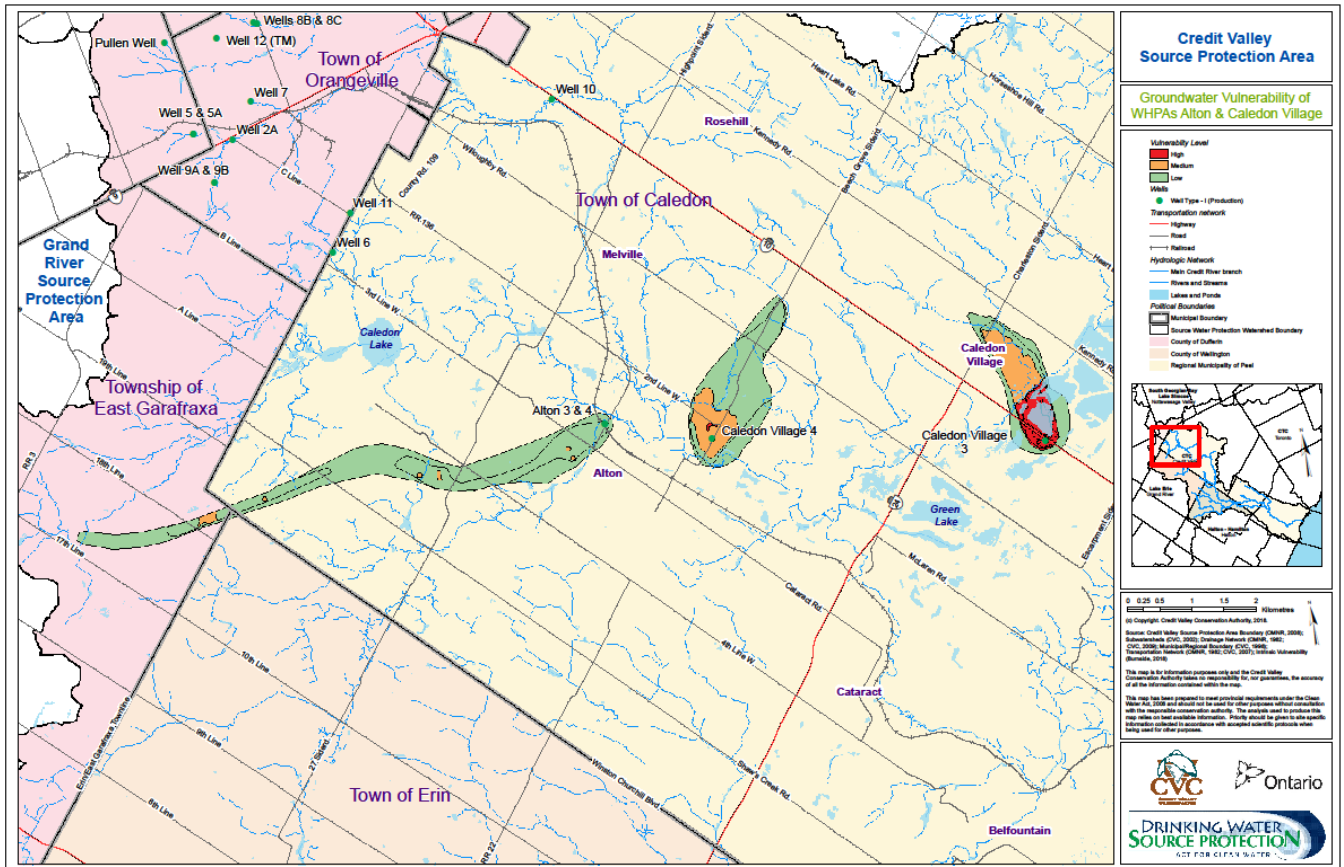
Map 4.35 (Groundwater Vulnerability of Wellhead Protection Areas – Alton and Caledon Village) did not identify an increase in vulnerability as a result of an aggregate pit (transport pathway) which falls within the WHPA – D (5 to 25 Year Time of Travel).

**APPENDIX I  
CLEAN WATER ACT REQUIREMENTS – AMENDMENTS TO THE ASSESSMENT  
REPORTS AND SOURCE PROTECTION PLAN**

**PROPOSED POLICY AND TECHNICAL REVISIONS OVERVIEW**

Figure 2 below depicts the mapping amendment.

**Figure 2: Groundwater Vulnerability of Wellhead Protection Areas – Alton and Caledon Village**



**DATE:** May 16, 2018

**REPORT TITLE:** **ENGINEERING SERVICES FOR DETAILED DESIGN FOR STRUCTURE WIDENINGS AT REGIONAL ROAD 19 (WINSTON CHURCHILL BOULEVARD) AT HIGHWAY 407, PROJECT 16-4070, AND REGIONAL ROAD 18 (MAVIS ROAD) AT HIGHWAY 407, PROJECT 18-4070, DOCUMENT 2018-409N, CITY OF BRAMPTON, WARDS 4 AND 6 AND CITY OF MISSISSAUGA, WARDS 9 AND 11**

**FROM:** Janette Smith, Commissioner of Public Works

## **RECOMMENDATION**

**That the contract (Document 2018-409N) for engineering services for the detailed design for bridge widenings at Regional Road 19 (Winston Churchill Boulevard) at Highway 407 and Regional Road 18 (Mavis Road) at Highway 407, City of Brampton, Wards 4 and 6 and City of Mississauga, Wards 9 and 11, be awarded to SNC-Lavalin Inc., in the estimated amount of \$544,684.40 (excluding applicable taxes), under Capital Projects 16-4070 and 18-4070, in accordance with Purchasing By-law 113-2013;**

**And further, that the Director of Transportation be authorized to execute the necessary agreements between the Region of Peel and:**

- i) SNC-Lavalin Inc. in order to complete the bridge widening designs, and;**
- ii) 407 ETR Concession Company Limited (“407 ETR”) to facilitate the incorporation and construction of the Region’s bridge piers into the 407 ETR’s road widening project, and for the payment therefore.**

## **REPORT HIGHLIGHTS**

- The Region of Peel proposes to widen the bridges at Winston Churchill Boulevard at Highway 407 and Mavis Road at Highway 407. Construction is anticipated to commence in 2021.
- 407 ETR Concession Company Limited (407 ETR) is currently undertaking the design for the 2019 construction of the Highway 407 widening, from Highway 410 to Highway 401 west, and has retained SNC-Lavalin Inc. (SNC) to complete the design.
- The Region and 407 ETR have identified a mutually beneficial opportunity to incorporate the Region’s bridge widening designs and construction of bridge piers into the Highway 407 widening project, requiring a formal agreement to be executed.
- Council approval is required to award the design of the bridge widenings at Winston Churchill Boulevard at Highway 407 and Mavis Road at Highway 407 to SNC-Lavalin Inc., to complete the detailed design for the bridge widening.

**DETAILED DESIGN FOR STRUCTURE WIDENINGS AT WINSTON CHURCHILL BOULEVARD AND MAVIS ROAD**

- SNC has submitted a comprehensive proposal for Engineering Services in the estimated amount of \$544,684.40 (excluding applicable taxes), and staff conclude that the pricing submitted represents value to the Region.
- Sufficient funds are available in projects 16-4070 and 18-4070.
- Winston Churchill Boulevard is a boundary road with Halton Region. In accordance with the Peel-Halton Cross Boundary Agreement, Halton is responsible to share the cost of the works.

**DISCUSSION**

**1. Background**

The 407 ETR is in the process of designing for the widening of Highway 407 from Highway 410 to Highway 401, and has retained SNC-Lavalin Inc. to complete the design. The Highway 407 widening crosses two planned Peel road widening projects on Mavis Road (four to six lane widening under project 18-4070) and Winston Churchill Boulevard (four to six lane widening under project 16-4070). Through coordination efforts between Peel and 407 ETR staff, efficiencies were identified by coordinating the bridge designs and constructing the piers at the bridge widenings at both the Mavis Road and Winston Churchill Boulevard crossings as part of the Highway 407 widening.

The efficiencies associated with the design and construction of the piers are as follows:

- Improved public safety associated with constructing the piers under a single construction project.
- Reduced approval timing and elimination of the need for future daily lane shifts and construction staging (night work) associated with doing the pier work under the Region's contract.
- Reduced overall cost, estimated at \$700,000, associated with the staging requirements noted above.

**2. Proposed Direction**

Regional staff and 407 ETR representatives have agreed, in principle, and subject to Council approval, to incorporate the construction of the Region's bridge piers into 407 ETR's widening of Highway 407. It will require a formal agreement to be executed.

SNC-Lavalin Inc. (SNC) was retained by 407 ETR to undertake the design for the Highway 407 widening. Furthermore, having completed previous Highway 407 widening and bridge designs, SNC-Lavalin Inc. have expert knowledge relating to the existing Winston Churchill Boulevard and Mavis Road bridges over the 407 which require widening. SNC-Lavalin Inc. has also performed satisfactorily on previous and current Regional road widening projects. On this basis, Regional staff requested SNC to submit a proposal for the design of the Region's Winston Churchill Boulevard and Mavis Road bridge widenings at Highway 407.

The comprehensive submission from SNC was reviewed and evaluated by staff at the Region and conclude that the qualifications and experience of the personnel proposed to undertake these works is satisfactory. SNC's submission included a detailed breakdown of

**DETAILED DESIGN FOR STRUCTURE WIDENINGS AT WINSTON CHURCHILL BOULEVARD AND MAVIS ROAD**

the work plan, the scope and associated costs, in the estimated amount of \$544,684.40 (excluding applicable taxes).

Regional staff is confident that SNC will be able to provide the necessary Engineering Services, and that their submission provides good value. In accordance with Purchasing By-law 113-2013, staff are seeking authority to advance the design of the bridge widenings and enter into a direct negotiation with SNC.

Funding for Project 16-4070, Winston Churchill Boulevard is shared with Halton Region, and staff are awaiting Halton Region’s approval to proceed. Should satisfactory arrangements be made between Peel Region and Halton Region, then the design works at Winston Churchill Boulevard and Highway 407 will proceed, otherwise staff will only proceed with the design works at Highway 407 and Mavis Road.

**FINANCIAL IMPLICATIONS**

Sufficient funds are available in corresponding projects. The total estimated cost is \$544,684.40 (excluding applicable taxes) with the breakdown as follows:

	Dept ID's	Amount
Mavis Road	Project 18-4070	\$275,501.20
Winston Churchill Boulevard	Project 16-4070	\$269,183.20



Janette Smith, Commissioner of Public Works

**Approved for Submission:**



D. Szwarc, Chief Administrative Officer

**APPENDICES**

Appendix I – Location Sketch, Winston Churchill Blvd at Highway 407

Appendix II – Location Sketch, Mavis Road at Highway 407

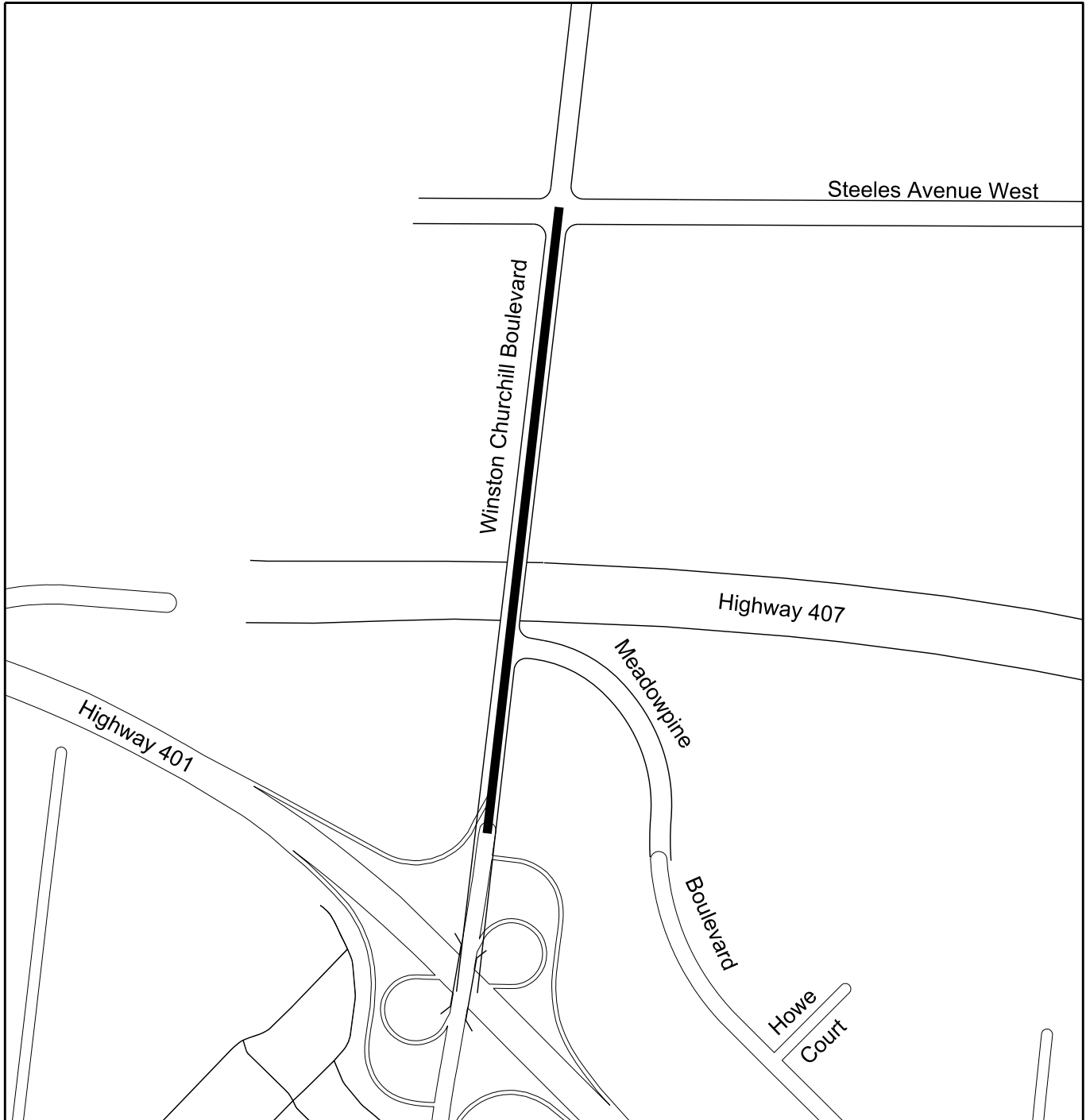
*For further information regarding this report, please contact Bob Nieuwenhuysen, Acting Strategist, Transportation, Public Works, email: [bob.nieuwenhuysen@peelregion.ca](mailto:bob.nieuwenhuysen@peelregion.ca).*

*Authored By: Bob Nieuwenhuysen*

*Reviewed in workflow by:*  
 Purchasing  
 Financial Support Unit

# APPENDIX I

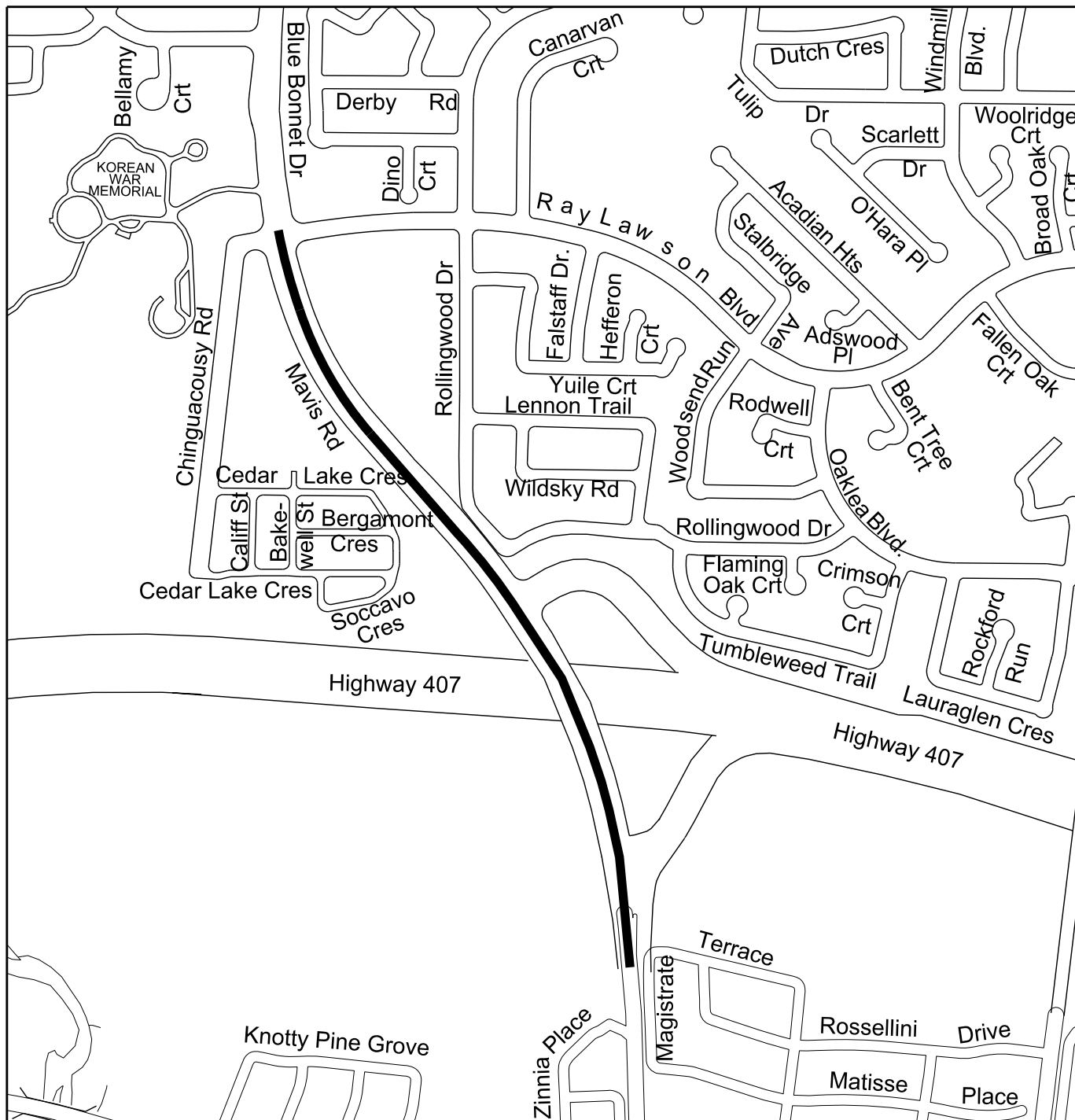
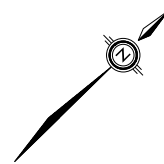
ENGINEERING SERVICES FOR DETAILED DESIGN FOR STRUCTURE WIDENINGS  
AT REGIONAL ROAD 19 (WINSTON CHURCHILL BOULEVARD) AT HIGHWAY 407,  
AND REGIONAL ROAD 18 (MAVIS ROAD) AT HIGHWAY 407  
CAPITAL PROJECTS 16-4070 AND 18-4070  
DOCUMENT NUMBER 2018-409N  
CITY OF BRAMPTON, WARDS 4 AND 6  
CITY OF MISSISSAUGA, WARDS 9 AND 11





# APPENDIX II

ENGINEERING SERVICES FOR DETAILED DESIGN FOR STRUCTURE WIDENINGS  
AT REGIONAL ROAD 19 (WINSTON CHURCHILL BOULEVARD) AT HIGHWAY 407,  
AND REGIONAL ROAD 18 (MAVIS ROAD) AT HIGHWAY 407  
CAPITAL PROJECT 16-4070 AND 18-4070  
DOCUMENT NUMBER 2018-409N  
CITY OF BRAMPTON, WARDS 4 AND 6  
CITY OF MISSISSAUGA, WARDS 9 AND 11



**From:** Cordelia Clarke Julein, Assistant Deputy Minister [<mailto:placestogrow@ontario.ca>]  
**Sent:** May 4, 2018 3:51 PM  
**To:** Jurrius, Stephanie  
**Subject:** Announcing the final Land Needs Assessment Methodology for the Greater Golden Horseshoe

May 4, 2018

*La version française suit.*

Following extensive consultation and stakeholder feedback, I am pleased to share that the Minister of Municipal Affairs has issued the final [Land Needs Assessment Methodology for the Greater Golden Horseshoe](#) today. Upper- and single-tier municipalities within the Growth Plan area are required to use this methodology to assess the quantity of land required to accommodate forecasted population and employment growth to the horizon of the Growth Plan.

I want to thank everyone who submitted comments during the consultation process. A [summary](#) is available online.

The land needs assessment methodology will be an important tool in assisting municipalities undertake their upcoming municipal comprehensive review process.

The methodology is one of several pieces of supplementary direction and guidance that provincial ministries are producing to support municipalities in implementing the Growth Plan.

We look forward to continuing to work together to implement the Growth Plan.

Sincerely,

Cordelia Clarke Julein  
Assistant Deputy Minister, Ontario Growth Secretariat  
Ministry of Municipal Affairs

REFERRAL TO   PUBLIC WORKS    
RECOMMENDED \_\_\_\_\_  
DIRECTION REQUIRED \_\_\_\_\_  
RECEIPT RECOMMENDED \_\_\_\_\_

## PLACES TO GROW

BETTER CHOICES. BRIGHTER FUTURE.

Summary of the

Land Needs Assessment Methodology  
for the Greater Golden Horseshoe

Land needs assessment  
will help Greater  
Golden Horseshoe  
municipalities plan for  
population and  
employment growth in  
a consistent way across  
the region.



The Minister of Municipal Affairs has  
issued the **Land Needs Assessment  
Methodology for the Greater Golden  
Horseshoe** on [placestogrow.ca](http://placestogrow.ca).

May 2018

**Overview**

The Greater Golden Horseshoe is one of the fastest growing regions in North America. The Growth Plan for the Greater Golden Horseshoe, 2017 (the Growth Plan) was put in place to help manage this growth.

A core goal of the Growth Plan is achieving *complete communities*, which support opportunities for people of all ages and abilities by offering a diverse range of housing and access to jobs, services and transportation choices. To help achieve this goal, the Growth Plan includes policies aimed at increasing the density of residents and jobs to make efficient use of land and *infrastructure*, and support the viability of transit. To guide how and where to grow, the Growth Plan sets minimum intensification targets for existing urban areas and density targets for parts of municipalities such as *major transit station areas* and new suburbs.

The Growth Plan requires that municipalities use a common provincial methodology for calculating the amount of land that they will need for future development. This calculation is known as a land needs assessment. This methodology will help ensure that municipalities use land efficiently and meet provincial forecasts and targets set out in the Growth Plan. If the land needs assessment shows that more land is needed, municipalities will then determine where that growth should go.

### Why a standard methodology?

In the past, approaches to determining how much new land is needed, and how municipalities report that approach to the public has varied across the region. During consultation on plan amendments, the ministry heard that municipalities and other stakeholders wanted the province to create a standard methodology that could ensure consistency across the region.

A proposed methodology was developed and issued for public input in December 2017. All feedback received was considered, modifications were made, and the Minister issued a final land needs assessment methodology in May 2018.

### The impact of land needs assessment

The land needs assessment is used to determine the amount of land needed to accommodate future residential and job growth. It will inform decisions about whether to expand the boundary of urban areas (*settlement area* boundary expansion), or whether sufficient or *excess land* has already been designated. The geographic location of any new land needed for development is not part of the land needs assessment. Rather, it is determined by municipalities during a later stage of the *municipal comprehensive review* process.

### Land needs are assessed primarily based on two different areas:

**Community areas** are areas that consist of the vast majority of housing required to accommodate the forecasted population, as well as a substantial portion of the forecasted jobs. Many jobs are also included in these areas such as office, retail and other related jobs, however, these areas do not include designated employment areas.

**Employment areas** are areas designated in an official plan for clusters of business and economic activity including manufacturing, warehousing, offices, and associated retail and ancillary facilities. These are areas that have no housing and where most industrial buildings are located. These areas could also include some limited retail and other jobs that provide services to people working in, or are related to the work occurring in the *employment area*.

### What will be different?

The new Land Needs Assessment Methodology factors in new policies from the updated Growth Plan, and sets a comprehensive and consistent approach that all municipalities across the Greater Golden Horseshoe will use. The new process will be clearer and more transparent. Stakeholders and the public will be able to better understand how their municipality has determined how much land it needs to grow, if at all, to accommodate population and employment growth in the future.

For more information on the Growth Plan, or to read the full methodology, please visit [placestogrow.ca](http://placestogrow.ca).

Where a word is *italicized*, the intended definition of the word or phrase may be found in Chapter 7: Definitions in the Growth Plan for the Greater Golden Horseshoe, 2017 at [placestogrow.ca](http://placestogrow.ca)



# Resolution

Moved By: Councillor Groves	Date: <b>May 24, 2018</b>
Seconded By: Councillor	Item Number <b>17.1</b>

Whereas in 2006 the Ministry of Environment and Climate Change conducted ambient air quality sampling and testing in Bolton and Caledon Village;

And whereas, additional industry and vehicular traffic has resulted from the increased growth in the municipality;

And whereas, residents have expressed concern regarding changes to air quality in the Town of Caledon;

Therefore be it resolved, that the Ministry of the Environment and Climate Change be requested to deploy a Trace Atmospheric Gas Analyzer unit to:

1. Caledon Village to assess the air quality impacts of on-going aggregate operations in light of the growth described above; and
2. Bolton, to assess the ambient air quality implications of growth.

<b>CARRIED</b>	<b>LOST</b>	<b>REFERRED</b>
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Chair



# Resolution

Moved By: Councillor Saito	Date: <b>May 24, 2018</b>
Seconded By: Councillor	Item Number <b>17.2</b>

That Resolution 2018-211 from the April 5, 2018 Regional Council meeting, regarding Community Event Paid Duty Policing, be reconsidered.

<b>CARRIED</b>	<b>LOST</b>	<b>REFERRED</b>	
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Chair

APPROVED AT REGIONAL COUNCIL  
April 5, 2018

**12.2. Funding to Support Community Organizations for Costs Associated with Police Presence at Community Events**

Moved by Councillor Iannicca,  
Seconded by Councillor Gibson;

That funding in the amount of \$182,522 in 2018 to the City of Brampton in the amount of \$68,641 and the City of Mississauga in the amount of \$113,881 to cover the costs of twelve community organizations impacted by the withdrawal of in-kind police funding from Peel Regional Police, be supported.

Carried

2018-211



# Resolution

Moved By: Councillor Sprovieri	Date: <b>May 24, 2018</b>
Seconded By: Councillor	Item Number <b>17.3</b>

Whereas the Community Water Fluoridation Committee is comprised of the Regional Chair (Ex-officio) and seven (7) members for a total of eight (8), as outlined in the Terms of Reference;

And whereas, the term of appointment ends upon completion of the Committee's mandate;

And whereas, there are three (3) vacancies on the Committee;

And whereas, five (5) members are required for quorum for a meeting of the Committee;

Therefore be it resolved, that the vacancies to the Community Water Fluoridation Committee be filled with the appointment of the following Members of Council:

1. Councillor
2. Councillor
3. Councillor

<b>CARRIED</b>	<b>LOST</b>	<b>REFERRED</b>	
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Chair



THE REGIONAL MUNICIPALITY OF PEEL

BY-LAW NUMBER 32-2018

**A by-law to establish percentages by which tax decreases are limited for 2018 for properties in the commercial, industrial and multi-residential property classes.**

WHEREAS, subsection 330(1) of the *Municipal Act*, S.O. 2001 c. 25 (the "Act") provides that a municipality, other than a lower-tier municipality, may pass a by-law to establish a percentage by which tax decreases are limited for a taxation year in respect of properties in any property class subject to Part IX of the *Act* in order to recover all or part of the revenues foregone as a result of the application of section 329 to other properties in the property class;

AND WHEREAS, subsection 330(2) of the *Act* provides that such a by-law must apply to all properties in the property class whose taxes for municipal and school purposes for the previous year, as determined under subsection 329(2) exceed their taxes for municipal and school purposes for the taxation year as adjusted in accordance with the regulations in respect of changes in taxes for municipal purposes and changes in taxes for school purposes;

AND WHEREAS, subsection 330(3) of the *Act* provides that such a by-law must establish the same percentage for all properties in a property class, but may establish different percentages for different property classes;

AND WHEREAS, subsection 330(4) of the *Act* requires that a tax decrease limitation percentage for a property for a year shall be determined in accordance with paragraphs 1 through 4 of the subsection;

AND WHEREAS, subsection 327(4) of the *Act* provides that Part IX of the *Act* applies to the commercial, industrial and multi-residential property classes;

AND WHEREAS, subsection 329.1(1) of the *Act* provides that a municipality, other than a lower-tier municipality, may pass a by-law to have one or more of the optional tools in subsection 329.1(1) and Ontario Regulation 73/03 as amended apply in the calculation of the amount of taxes for municipal and school purposes payable in respect of property in the commercial classes, industrial classes or multi-residential property class for 2018;

AND WHEREAS, section 8.0.2 of Ontario Regulation 73/03 as amended (the "Regulation") provides that if a by-law has been enacted by a municipality providing that that section applies within the municipality for the taxation year then a property meeting any conditions set out in the by-law pursuant to subsection 8.0.2 (2) of the Regulation is exempt from the application of Part IX of the *Act* for the taxation year;

AND WHEREAS, section 8.3 of Ontario Regulation 73/03 as amended provides that if a by-law has been enacted by a municipality providing that that section applies within the municipality for the taxation year then a property meeting any conditions set out in the by-law pursuant to section 8.3 of the Regulation is phased out from the application of Part IX of the *Act* for the taxation year;

AND WHEREAS, section 15.0.1 of Ontario Regulation 73/03 as amended provides for an exclusion from the determination of taxes under section 329 of the *Act* of reassessment related increases, if a by-law has been enacted by a municipality, other than lower-tier municipality, that provides that section 15.0.1 of the regulation applies within the municipality for the year, which by-law may provide for certain conditions to be met in order to exclude reassessment related increases;

AND WHEREAS, Regional Council enacted By-law 29-2018 which adopted the optional tools that may be applied in determining the amount of taxes for municipal and school purposes payable in respect of property in the commercial classes, industrial classes or multi-residential property class for the 2018 taxation year, and which further provided that section 8.0.2, section 8.3 and section 15.0.1 of the Regulation apply within the Region of Peel for the 2018 taxation year and set out the conditions provided for in section 8.0.2, section 8.3 and section 15.0.1 of the Regulation;

AND WHEREAS, subsection 330(6) of the *Act* requires that a by-law made under subsection 330(1) to establish a tax decrease limitation percentage shall also require that adjustments shall be made between the upper-tier municipality and lower-tier municipalities so that no lower-tier municipality has a surplus or shortfall as a result of the application of the by-law;

AND WHEREAS, subsection 330(7) of the *Act* provides that if the upper-tier municipality experiences a shortfall as a result of the application of subsection 330(6), the by-law made under subsection 330(1) shall provide that any shortfall shall be shared by the upper-tier municipality and the lower-tier municipalities in the same proportion as those municipalities share in the taxes levied on the property class for municipal purposes

NOW THEREFORE, the Council of the Regional Corporation enacts as follows:

1. That tax decreases for the 2018 taxation year on properties in The Regional Municipality of Peel referred to in subsection 330(2) of the *Act* which are in the property class set out in Column I shall, in 2018, be limited by the percentage of the tax decrease set out in Column II in order to recover the revenues foregone as a result of the application of section 329 of the *Act* to other properties in the property class, so that the percentage of the tax decrease set out in Column III is the maximum tax decrease permitted to be received in 2018 by such properties;

<b>Column I (Property Class)</b>	<b>Column II (Clawback %)</b>	<b>Column III (Allowable Decrease %)</b>
Commercial	16.30502%	83.69498%
Industrial	12.99790%	87.00210%
Multi-Residential	3.70367%	96.29633%

2. That adjustments shall be made between The Regional Municipality of Peel and its lower-tier municipalities so that no lower-tier municipality has a surplus or shortfall as a result of the application of the by-law;
3. That if The Regional Municipality of Peel experiences a shortfall as a result of the adjustments made in order to eliminate any surplus or shortfall at each of its lower-tier municipalities, the shortfall shall be shared by The Regional Municipality of Peel and its lower-tier municipalities in the same proportion as those municipalities share in the taxes levied on the property class for municipal purposes.

READ THREE TIMES AND PASSED IN OPEN COUNCIL this 24<sup>th</sup> day of May, 2018.

\_\_\_\_\_  
Regional Clerk

\_\_\_\_\_  
Regional Chair