

## Regular Council Meeting AGENDA

Tuesday, February 12, 2019, 7:00 pm  
Tecumseh Town Hall  
www.tecumseh.ca

	<b>Pages</b>
<b>1. Order</b>	
<b>2. Moment of Silence</b>	
<b>3. National Anthem</b>	
<b>4. Roll Call</b>	
<b>5. Disclosure of Pecuniary Interest</b>	
<b>6. Minutes</b>	
a. Regular Council Meeting - January 22, 2019	4 - 11
b. Special Council Meeting - January 22, 2019	12 - 13
c. Public Council Meeting - January 22, 2019	14 - 15
d. Public Council Meeting - January 29, 2019	16 - 22
<b>7. Supplementary Agenda Adoption</b>	
<b>8. Delegations</b>	
<b>9. Communications - For Information</b>	
a. Municipality of Mattice-Valcôte dated December 11, 2018 Re: Amend Paragraph 4 of Municipal Council Members' Declaration of Office	23 - 24
b. Environment and Land Tribunals Ontario dated January 21, 2019 Re: 14328 and 14346 Tecumseh Road Appeal Withdrawn	25 - 25
c. City of Niagara Falls dated January 22, 2019 Re: Opting in to Allow Retail Cannabis Stores	26 - 28
d. County of Essex dated January 29, 2019 Re: Notice of Decision for Official Plan Amendment No. 15 - Village of St. Clair Beach Official Plan 14328 and 14346 Tecumseh Road	29 - 31
e. Independent Electricity System Operator dated January 31, 2019 Re: Establishing a switching station in the Leamington area to accommodate demand growth	32 - 36
f. Letters from Mayor Gary McNamara dated February 5, 2019 Re: In support of SouthWestern Integrated Fibre Technology's request to modify the Canadian Radio-Television and Telecommunications Commission (CRTC) Broadband Funding Model.	37 - 40

## 10. Communications - Action Required

- a. Town of Georgina and Town of Orangeville dated January 17, 2019 41 - 44  
Re: Bill 66, Restoring Ontario's Competitiveness Act.  
**That** the resolution calling for recommended changes to Bill 66,  
Restoring Ontario's Competitiveness Act, **be supported**.

## 11. Committee Minutes

## 12. Reports

- a. Chief Administrative Officer
1. CAO-2019-02 Strategic Priorities Update 45 - 72
- b. Corporate Services & Clerk
1. CS-2019-02 Fluoridation of Water Supply 73 - 80
  2. CS-2019-04 2018 Open and Closed Meetings 81 - 87
  3. CS-2019-05 Pregnancy and Parental Leave for Members of Council 88 - 93
- c. Financial Services
1. FS-2019-01 Taxes Receivable December 2018 94 - 99
- d. Information & Communication Services
1. ICS-2019-01 ICS Five (5) Year Capital Works Plan 2019-2023 100 - 106
- e. Planning & Building Services
1. PBS-2019-01, Tecumseh Transit Service, 2018 Review 107 - 119
  2. PBS-2019-02 2018 Year End Permit Report 120 - 123
- f. Public Works & Environmental Services
1. PWES 2019-01 2018 Traffic Analysis - Radar Speed Surveys 124 - 128
  2. PWES-2019-04 West Branch of the East Branch Delisle Drain - Appointment of Drainage Engineer 129 - 137
  3. PWES-2019-06 Water Distribution System - Annual Summary Report 138 - 214
  4. PWES-2019-07 2019 Supply of Various Vehicles 215 - 232
  5. PWES-2019-08 South Talbot Road Reconstruction Tender Award 233 - 239

## 13. By-Laws

- a. By-Law 2019-14 240 - 242  
Being a by-law to amend By-law 85-18, the Town's  
Comprehensive Zoning By-law for those lands in the former Township of  
Sandwich South D19 5500SE – 5500 Sexton Side Road Agricultural  
Surplus Dwelling Severance.

## 14. Unfinished Business

- a. February 12, 2019 243 - 243

## 15. New Business



16. Motions

a. In-Camera Meeting

b. Confirmatory By-law

1. By-Law 2019-15

244 - 244

Re: Being a by-law to confirm the proceedings of the February 12, 2019 regular meeting of the Council of The Corporation of the Town of Tecumseh.
17. Notices of Motion

18. Next Meeting

Tuesday, February 26, 2019

7:00 pm Regular Council Meeting

19. Adjournment

Minutes of a Regular Meeting of  
The Council of the Town of Tecumseh

Tecumseh Council meets in regular public session on Tuesday, January 22, 2019 in the Council Chambers, 917 Lesperance Road, Tecumseh, Ontario at 7:00 pm.

**1. Order**

The Mayor calls the meeting to order at 7:00 pm.

**2. Moment of Silence**

The Members of Council and Administration observe a moment of silence.

**3. National Anthem**

The Members of Council and Administration observe the National Anthem of O Canada.

**4. Roll Call**

Present:

Mayor

Deputy Mayor

Councillor

Councillor

Councillor

Councillor

Councillor

Gary McNamara

Joe Bachetti

Bill Altenhof

Andrew Dowie

Brian Houston

Tania Jobin

Rick Tonial

Also Present:

Chief Administrative Officer

Director Parks & Recreation Services

Director Public Works & Environmental Services

Director Information & Communication Services

Director Financial Services & Treasurer

Director Planning & Building Services

Director Fire Services & Fire Chief

Deputy Clerk & Manager Legislative Services

Manager Planning Services

Manager Strategic Initiatives

Administrative Assistant to the Director Corporate  
Service & Clerk

Tony Haddad

Paul Anthony

Phil Bartnik

Shaun Fuerth

Luc Gagnon

Brian Hillman

Doug Pitre

Jennifer Alexander

Chad Jeffery

Lesley Racicot

Sue White

**5. Disclosure of Pecuniary Interest**

Councillor Bill Altenhof declared a pecuniary interest on item 13.c By-law 2019-03, being a by-law to appoint members to the Tecumseh Youth Advisory Committee, as his two sons are being appointed.

**6. Minutes**

- a. Special Council Meeting - December 11, 2018 Re: Cyber Security
- b. Special Council Meeting - December 11, 2018 Re: Appointments to Committees and Awards
- c. Regular Council Meeting - December 11, 2018
- d. Special Council Meeting - January 15, 2019 Re: 2019 Budget

**Motion: RCM - 01/19**

Moved by Councillor Tania Jobin  
Seconded by Councillor Brian Houston

**That** the minutes of the December 11, 2018 Regular Meeting of Council, the minutes of the December 11, 2018 Special Meetings of Council at 5:15 pm and 6 pm, and January 15, 2019 Special Meeting of Council, as were duplicated and delivered to the members, are adopted.

Carried

**7. Supplementary Agenda Adoption**

There are no supplementary agenda items.

**8. Delegations**

There are no delegations presented to Council.

**9. Communications - For Information****a. City of Windsor dated December 17, 2018**

Re: Notice of Complete Application

**b. Essex Region Conservation Authority dated December 17, 2018**

Re: 2019 Draft Budget

**c. Local Authority Services (LAS) dated December 17, 2018**

Re: LAS Natural Gas Program – 2016 - 2017 Period Reserve Fund Rebate

**Motion: RCM - 02/19**

Moved by Deputy Mayor Joe Bachetti  
Seconded by Councillor Rick Tonial

**That** Communications - For Information A through C as listed on the Tuesday, January 22, 2019 Regular Council Agenda are received.

Carried

**10. Communications - Action Required****a. Municipality of Northern Bruce Peninsula dated December 12, 2018, and the City of Hamilton dated January 3, 2019**

Re: Creation, Maintenance and General Quality of the Municipal Voters' List

**Motion: RCM - 03/19**

Moved by Councillor Andrew Dowie  
Seconded by Councillor Brian Houston

**Whereas** concern over the quality of the Municipal Voters' List is not a new phenomenon;

**Whereas** in 2012 the Association of Municipal Managers, Clerks and Treasurers of Ontario (AMCTO) published a Voters' List Position Paper and since that time has been advocating for transformational changes to the way that Ontario creates and maintains the Voters' List for municipal elections;

**Whereas** the Preliminary List of Electors, which forms the Voters' List in Ontario, is supplied by data from the Municipal Property Assessment Corporation (MPAC);

**Whereas** despite the incremental changes made by MPAC, MPAC has limited ability to fix the currency and accuracy issues that impairs the current process and the Voters' List continues to be flawed with data inaccuracies and outdated information; and

**Whereas** a transformational solution to the way that the Voters' List is created and managed is required;

**Therefore be it resolved:**

**That** a letter of concerns respecting the Voters' List for Municipal Elections and a request for investigation be forwarded to the Ombudsman's Office;

**That** a copy of this motion, respecting the Voters' List for Municipal Elections be circulated to all municipalities and the Association of Ontario Municipalities.

Carried

**b. SouthWest Integrated Fibre Technology (SWIFT) dated January 8, 2019**

Re: Increase Access to Canadian Radio - Television and Telecommunications Commission (CRTC) broadband funding

**Motion: RCM - 04/19**

Moved by Councillor Andrew Dowie

Seconded by Deputy Mayor Joe Bachetti

**That** Administration submit written comments to the Canadian Radio - Television and Telecommunications Commission (CRTC) to reconsider its broadband fund eligibility criteria.

Carried

**11. Committee Minutes**

**a. Police Services Board - December 13, 2018**

**Motion: RCM - 05/19**

Moved by Councillor Rick Tonial

Seconded by Councillor Tania Jobin

**That** the December 13, 2018 minutes of the Police Services Board, as were duplicated and delivered to the Members of Council, are accepted.

Carried

**b. Town of Tecumseh Business Improvement Area - November 14, 2018 and December 12, 2018**

**Motion: RCM - 06/19**

Moved by Councillor Tania Jobin

Seconded by Councillor Bill Altenhof

**That** the December 12, 2018 minutes of the Town of Tecumseh Business Improvement Area, as were duplicated and delivered to the Members of Council, are accepted.

Carried

**c. Heritage Committee - November 19, 2018**

**Motion: RCM - 07/19**

Moved by Councillor Bill Altenhof  
Seconded by Councillor Rick Toniai

**That** the November 19, 2018 minutes of the Heritage Committee, as were duplicated and delivered to the Members of Council, are accepted.

Carried

**d. Cultural and Arts Advisory Committee - November 19, 2018****Motion: RCM - 08/19**

Moved by Councillor Brian Houston  
Seconded by Councillor Tania Jobin

**That** the November 19, 2018 minutes of the Cultural and Arts Advisory Committee, as were duplicated and delivered to the Members of Council, are accepted.

Carried

**e. Joint Health and Safety Advisory Committee - September 25, 2018****Motion: RCM - 09/19**

Moved by Councillor Rick Toniai  
Seconded by Councillor Brian Houston

**That** the September 25, 2018 minutes of the Joint Health and Safety Advisory Committee, as were duplicated and delivered to the Members of Committee, are accepted.

Carried

**f. Tecumseh Accessibility Advisory Committee - November 20, 2018****Motion: RCM - 10/19**

Moved by Councillor Tania Jobin  
Seconded by Councillor Bill Altenhof

**That** the November 20, 2018 minutes of the Tecumseh Accessibility Advisory Committee, as were duplicated and delivered to the Members of Council, are accepted.

Carried

**12. Reports****a. Corporate Services & Clerk**

1. CS-2019-03 Request for Noise By-law Exemption – Ministry of Transportation, Highway 401 Underpass at County Road 19 (Manning Road)

A member requested that the Ministry of Transportation provide notice to the surrounding residences when construction work is commencing.

**Motion: RCM - 11/19**

Moved by Councillor Bill Altenhof  
Seconded by Councillor Rick Tonial

**That** the Ministry of Transportation, Ontario (MTO) be granted an exemption from the Town's Emission of Sounds By-law No. 2002-07, as amended, for the six (6) month period of May 1, 2019, through to and including October 31, 2019, during the hours of 8:00 pm to 7:00 am to facilitate the replacement of bridge bearing plates and bridge soffit repairs related to the rehabilitation of the Highway 401 underpass at County Road 19 (Manning Road).

Carried

**b. Fire & Emergency Services****1. FIRE-2019-01 Tecumseh Fire Services 2018 Year End Overview****Motion: RCM - 12/19**

Moved by Councillor Brian Houston  
Seconded by Councillor Bill Altenhof

**That** Report FIRE-2019-01 2018 Year End Overview be received.

Carried

**13. By-Laws****Motion: RCM - 13/19**

Moved by Councillor Brian Houston  
Seconded by Councillor Tania Jobin

**That** By-law 2019-01 being a by-law to appoint members to the Cultural and Arts Advisory Committee;

**That** By-law 2019-02 being a by-law to appoint members to the Tecumseh Heritage Committee for the term of Council 2019-2022;

**That** By-law 2019-04 being a by-law to appoint members to the Tecumseh Senior Advisory Committee for the term of Council 2019-2022;

**That** By-law 2019-05 being a by-law to appoint members to the Tecumseh Accessibility Advisory committee for the term of Council 2019-2022;

**That** By-law 2019-06 being a by-law constituting and appointing a Committee of Adjustment and empowering the granting of Minor Variances for the term of Council 2019-2022;

**That** By-law 2019-07 being a by-law delegating the authority for the giving of consents for the term of Council 2019-2022;

**That** By-law 2019-08 being a by-law to appoint a Property Standards Committee for the term of Council 2019-2022;

**That** By-law 2019-09 being a by-law to appoint members to the Tecumseh Police Services Board for the term of Council 2019-2022;

**That** By-law 2019-10 being a by-law to appoint Directors to the Board of Management for the Business Improvement Area for the term of Council 2019-2022;

**That** By-law 2019-11 being a by-law to appoint members to the Tecumseh Council Compensation Review Committee;

**That** By-law 2019-12 being a By-law to provide for the adoption of the estimates of all sums required (budget) for general municipal purposes for the Year 2019.

Be given first and second reading.

Carried

**Motion: RCM - 14/19**

Moved by Councillor Brian Houston  
Seconded by Councillor Rick Toniai

**That** By-law 2019-01 being a by-law to appoint members to the Cultural and Arts Advisory Committee;

**That** By-law 2019-02 being a by-law to appoint members to the Tecumseh Heritage Committee for the term of Council 2019-2022;

**That** By-law 2019-04 being a by-law to appoint members to the Tecumseh Senior Advisory Committee for the term of Council 2019-2022;

**That** By-law 2019-05 being a by-law to appoint members to the Tecumseh Accessibility Advisory Committee for the term of Council 2019-2022;

**That** By-law 2019-06 being a by-law constituting and appointing a Committee of Adjustment and empowering the granting of Minor Variances for the term of Council 2019-2022;

**That** By-law 2019-07 being a by-law delegating the authority for the giving of consents for the term of Council 2019-2022;

**That** By-law 2019-08 being a by-law to appoint a Property Standards Committee for the term of Council 2019-2022;

**That** By-law 2019-09 being a by-law to appoint members to the Tecumseh Police Services Board for the term of Council 2019-2022;

**That** By-law 2019-10 being a by-law to appoint Directors to the Board of Management for the Business Improvement Area for the term of Council 2019-2022;

**That** By-law 2019-11 being a by-law to appoint members to the Tecumseh Council Compensation Review Committee;

**That** By-law 2019-12 being a By-law to provide for the adoption of the estimates of all sums required (budget) for general municipal purposes for the Year 2019.

Be given third and final reading.

Carried

Councillor Bill Altenholf having declared a pecuniary interest refrains from voting on By-law 2019-03.

**Motion: RCM - 15/19**

Moved by Councillor Rick Toniai  
Seconded by Deputy Mayor Joe Bachetti

**That** By-law 2019-03 being a by-law to appoint members to the Tecumseh Youth Advisory Committee for the term of Council 2019-2022;

Be given first and second reading.

Carried

**Motion: RCM - 16/19**

Moved by Councillor Brian Houston  
Seconded by Councillor Andrew Dowie

**That** By-law 2019-03 being a by-law to appoint members to the Tecumseh Youth Advisory Committee for the term of Council 2019-2022;

Be given third and final reading.

Carried

**14. Unfinished Business**

The Members receive the Unfinished Business listing for Tuesday, January 22, 2019.

**15. New Business**

**Snow Removal**

Gratitude is extended to the Public Works and Environmental Services Department for their efforts with the snow removal this past week.

**16. Motions**

**a. Confirmatory By-law**

**Motion: RCM - 17/19**

Moved by Councillor Brian Houston  
Seconded by Councillor Bill Altenhof

**That** By-Law 2019-13 being a by-law to confirm the proceedings of the Tuesday, January 22, 2019, regular meeting of the Council of The Corporation of the Town of Tecumseh be given first, second, third and final reading.

Carried

**17. Notices of Motion**

There are no notices of motion presented to Council.

**18. Next Meeting**

Tuesday, January 29, 2019

6:00 pm Public Council Meeting - Water Fluoridation

Tuesday, February 12, 2019

5:00 pm Public Council Meeting - Lesperance Road Bike Lanes

7:00 pm Regular Council Meeting



**19. Adjournment**

**Motion: RCM - 18/19**

Moved by Councillor Rick Toniai  
Seconded by Councillor Bill Altenhof

**That** there being no further business, the Tuesday, January 22, 2019 meeting of the Regular Council now adjourn at 7:28 pm.

Carried

---

Gary McNamara, Mayor

---

Jennifer Alexander, Deputy Clerk

Minutes of a Special Meeting of  
The Council of the Corporation of the Town of Tecumseh

Tecumseh Council meets in special session on Tuesday, January 22, 2019, in the Council Chambers, 917 Lesperance Road, Tecumseh, Ontario at 5:00 pm.

**1. Call to Order**

The Mayor calls the meeting to order at 5:02 pm.

**2. Roll Call**

Present:

Mayor

Deputy Mayor

Councillor

Councillor

Councillor

Councillor

Councillor

Gary McNamara

Joe Bachetti

Bill Altenhof

Andrew Dowie

Brian Houston

Tania Jobin

Rick Tonial

Also Present:

Chief Administrative Officer

Director Parks & Recreation Services

Director Public Works & Environmental Services

Director Information & Communication Services

Director Financial Services & Treasurer

Director Planning & Building Services

Director Fire Services & Fire Chief

Deputy Clerk & Manager Legislative Services

Manager Facilities

Manager Strategic Initiatives

Manager Recreation Programs & Events

Manager Facilities

Supervisor Recreation Programs & Services

Administrative Assistant to the Director Corporate

Service & Clerk

Tony Haddad

Paul Anthony

Phil Bartnik

Shaun Fuerth

Luc Gagnon

Brian Hillman

Doug Pitre

Jennifer Alexander

Ray Hammond

Lesley Racicot

Kerri Rice

Ray Hammond

Brett Palmer

Sue White

**3. Disclosure of Pecuniary Interest**

There is no pecuniary interest declared by a member of Council.

**4. Introduction and Purpose of Meeting**

The purpose of the meeting is to view the concept design of the Multi Use Sports Plex.

**5. Delegations**

**a. Craig Goodman and Sebastian Spataro, CS&P Architects Inc.**

Re: Multi Use Sports Plex Concept Design

The Director Parks and Recreation Services introduces CS&P Architects Inc. and reviews the specifications of the Multi Use Sports Plex (Sports Plex) request for proposals. Craig Goodman and Sebastian Spataro unveil the conceptual design of the 165,000 square foot Sports Plex and the various features of the facility. Some of the highlights include a full sized basketball court, soccer fields, baseball cages, and a walking track.

In response to a query, the Director Parks & Recreation Services explains that the design of the Sports Plex responds to the study that was completed. There is flexibility with the recommended spaces to meet the

needs of the community. The school and community gyms are busy and the Town cannot accommodate the current demand for community space.

The glass wall design is discussed along with the associated ongoing maintenance of heating and cooling costs with this design feature. Glass is more expensive than solid walls. Mr. Goodman explains that the placement of the wall is to capture transparency and daylight while reducing lighting costs. Where the glass is facing south, deeper roof overhangs are included to provide additional shade from the sun. Many companies are incorporating daylight into their designs due to the positive benefits to the overall well-being in people.

Discussion ensues over the environmental footprint of the Sports Plex. There are suggestions for charging stations for electrical vehicles, and convenience Wi-Fi to be included in the new facility.

The Director Parks & Recreation Services explains the next steps in the design process. Community groups will be contacted by the Town to review the design and ensure their program needs are addressed. The Architect's presentation will be posted on the Town's website and social media networks to invite residents for their comments and feedback. Administration will continue to seek grant opportunities to assist with the construction of the Sports Plex.

## 5. Communications

There are no communications presented to Council.

## 6. Reports

There were no reports for consideration.

## 7. Adjournment

### **Motion: SCM- 07/19**

Moved By	Deputy Mayor Joe Bachetti
Seconded By	Councillor Bill Altenhof

**That** there being no further business, the Tuesday, January 22, 2019 meeting of the Special Council Meeting now adjourn at 6:23 pm.

Carried

---

Gary McNamara, Mayor

---

Jennifer Alexander, Deputy Clerk

Minutes of a Public Meeting of  
The Council of the Town of Tecumseh

Tecumseh Council meets in public session on Tuesday, January 22, 2019 in the Council Chambers, 917 Lesperance Road, Tecumseh, Ontario at 6:45 pm.

**1. Call to Order**

The Mayor calls the meeting to order at 6:50 pm.

**2. Roll Call**

Present:

Mayor

Deputy Mayor

Councillor

Councillor

Councillor

Councillor

Councillor

Gary McNamara

Joe Bachetti

Bill Altenhof

Andrew Dowie

Brian Houston

Tania Jobin

Rick Tonial

Also Present:

Chief Administrative Officer

Director Public Works & Environmental Services

Director Information & Communication Services

Director Fire Services & Fire Chief

Deputy Clerk & Manager Legislative Services

Manager Planning Services

Administrative Assistant to the Director Corporate  
Service & Clerk

Tony Haddad

Phil Bartnik

Shaun Fuerth

Doug Pitre

Jennifer Alexander

Chad Jeffery

Sue White

**3. Disclosure of Pecuniary Interest**

There is no pecuniary interest declared by a member of Council.

**4. Introduction and Purpose of Meeting**

The purpose of the meeting is to hear public comment on a proposed Zoning By-law amendment to rezone a 48 acre agricultural property situated on the east side of Sexton Side Road (5500 Sexton Side Road) to prohibit the construction of a residential dwelling unit and livestock facility within the existing farm building.

**5. Delegations**

There are no delegations present.

**6. Communications**

**a. Notice of Consideration dated December 21, 2018**

Re: Proposed Zoning By-Law Amendment - 5500 Sexton Side Road

**b. Essex Region Conservation Authority dated January 16, 2019**

Re: Zoning By-law Amendment ZBA 5500 Sexton Side Road

**Motion: PCM - 01/19**

Moved By                      Councillor Andrew Dowie  
Seconded By                Councillor Rick Toniai

**That** Communications - For Information A through B as listed on the Tuesday, January 22, 2019 Public Council Meeting Agenda are received.

Carried

**7. Reports****a. PBS-2018-40 Zoning By-law Amendment, 5500 Sexton, D19 5500SE****Motion: PCM - 02/19**

Moved By                      Councillor Andrew Dowie  
Seconded By                Councillor Tania Jobin

**That** the scheduling of a public meeting, to be held on Tuesday, January 22, 2019, at 6:30 pm, for the application submitted by 538073 Ontario Inc., to amend Sandwich South Zoning By-law 85-18 to rezone an approximate 19.4 hectare (48.0 acre) agricultural property situated on the east side of Sexton Side Road (5500 Sexton Side Road), approximately 325 metres south of its intersection with County Road 46, from "Agricultural Zone (A)" to a site specific "Agricultural Zone (A-28)" in order to:

- prohibit the construction of a residential dwelling unit in accordance with Section 2.3.4.1 c) of the Provincial Policy Statement; and
- prohibit a livestock facility within the existing farm building, in accordance with the Minimum Distance Separation (MDS) Formula, be authorized;

**And that** the preparation of a draft zoning by-law amendment for consideration at the same meeting, be authorized.

Carried

**8. Adjournment****Motion: PCM - 03/19**

Moved By                      Councillor Brian Houston  
Seconded By                Councillor Bill Altenhof

**That** there being no further business, the Tuesday, January 22, 2019 meeting of the Public Council Meeting now adjourn at 6:52 pm.

Carried

---

Gary McNamara, Mayor

---

Jennifer Alexander, Deputy Clerk

Minutes of a Public Meeting of  
The Council of the Town of Tecumseh

Tecumseh Council meets in public session on Tuesday January 29, 2019, in the Council Chambers, 917 Lesperance Road, Tecumseh, Ontario at 6:00 pm.

**1. Call to Order**

The Mayor calls the meeting to order at 6:00 pm.

**2. Roll Call**

Present:

Mayor	Gary McNamara
Deputy Mayor	Joe Bachetti
Councillor	Bill Altenhof
Councillor	Andrew Dowie
Councillor	Brian Houston
Councillor	Tania Jobin
Councillor	Rick Toniai

Also Present:

Chief Administrative Officer	Tony Haddad
Director Public Works & Environmental Services	Phil Bartnik
Director Information & Communication Services	Shaun Fuerth
Director Financial Services & Treasurer	Luc Gagnon
Director Planning & Building Services	Brian Hillman
Director Corporate Services & Clerk	Laura Moy
Director Fire Services & Fire Chief	Doug Pitre
Deputy Clerk & Manager Legislative Services	Jennifer Alexander
Manager Water & Wastewater	Denis Berthiaume
Water Quality Compliance/Water Operator	Brad Dupuis

**3. Disclosure of Pecuniary Interest**

There is no pecuniary interest declared by a Member of Council.

**4. Introduction and Purpose of Meeting**

The purpose of the meeting is to hear public comment on water fluoridation in the municipal water supply.

**5. Delegations**

**a) Dr. Wajid Ahmed, Acting Medical Officer of Health for Windsor Essex County Health Unit**

Dr. Wajid Ahmed, from the Windsor Essex County Health Unit, supports fluoridation of municipal water as presented in his written submissions in the agenda.

**b) Dr. Charles Frank, Dentist**

Dr. Charles Frank, a Windsor Dentist, supports fluoridation of municipal water as presented in his written submissions in the agenda.

**c) Dr. Johnny Johnson, President of the American Fluoridation Society**

Dr. Johnny Johnson, President of the American Fluoridation Society, supports fluoridation of municipal water as presented in his written submissions in the agenda.

**d) Dr. Tom Oper, Pediatric Dentist, Windsor**

Dr. Tom Oper, a Windsor Pediatric Dentist, supports fluoridation of municipal water as presented in his written submissions in the agenda.

**e) Joyce Zuk, Executive Director, Windsor Essex Family Services**

Joyce Zuk, Executive Director of Windsor Essex Family Services, supports fluoridation of municipal water as presented in her written submissions in the agenda.

**f) Dr. Andrea Silverman, Ontario Dental Association**

Dr. Andrea Silverman from the Ontario Dental Association supports fluoridation of municipal water as presented in her written submissions in the agenda.

**g) Krista Dufour**

Krista Dufour, Dental Hygienist, supports fluoridation of municipal water as presented in her written submissions in the agenda.

**h) Rino Bortolin**

Rino Bortolin, City of Windsor Councillor, explains to the members his support for fluoridation in the municipal water system.

**i) Dr. Lesli Hapak**

Dr. Lesli Hapak, Periodontist, supports fluoridation of municipal water as presented in her written submissions in the agenda.

**j) Raymond Hoang**

Raymond Hoang submits a petition in support of fluoridation in the municipal water supply.

**k) Donna Mayne**

Donna Mayne opposes fluoridation in municipal water as presented in her written submissions in the agenda.

**l) Doug Hayes, Council of Canadians - Windsor Chapter**

Doug Hayes, Council of Canadians Windsor - Chapter, opposes fluoride in municipal water as presented in his written submissions in the agenda.

**m) Cheryl Burr**

Cheryl Burr opposes fluoride in municipal water as presented in her written submissions in the agenda.

**n) Alice Daglian**

Alice Daglian explains to the members her opposition to fluoride in the municipal water supply.

**o) Launa McGraw**

Launa McGraw opposes fluoride in municipal water as presented in her written submission in the agenda.

**p) Rita Ossington**

Rita Ossington opposes fluoride in municipal water as presented in her written submission in the agenda.

**q) Tamara Stomp**

Tamara Stomp explains her opposition to fluoride in municipal water supply.

**r) Emily Truman**

Emily Truman opposes fluoride in municipal water and submits her speaking notes to file with the Clerk.

**s) Christine Massey**

Christine Massey opposes fluoride in municipal water as presented in her written submissions in the agenda.

**t) Liesa Cianchino**

Liesa Cianchino sends her regrets and is not in attendance for her delegation. Her written submissions opposing fluoride in municipal water is included in the agenda.

**u) Kimberly DeYong**

Kimberly DeYong opposes fluoride in municipal water as presented in her written submission in the agenda.

**v) Ayesha Drouillard**

Ayesha Drouillard opposes fluoride in municipal water as presented in her written submission in the agenda.

**w) John Jones**

John Jones sends his regrets and is not in attendance for his delegation. His written submission opposing fluoride in municipal water is included in the agenda.

**x) Richard St. Denis, Unifor Local 444 Joint Workplace Environment Committee, FCA Windsor Assembly Plant**

Richard St. Denis opposes fluoride in municipal water as presented in his written submission in the agenda.

**y) Kathryn Oppio**

Kathryn Oppio opposes fluoride in municipal water as presented in her written submission in the agenda.

**z) Heather Gingerich**

Heather Gingerich sends her regrets and is not in attendance for her delegation. Her written submission opposing fluoride in municipal water is included in the agenda.

**aa) Lesley Labbe**

Lesley Labbe presents her opposition to fluoride in municipal water.

**6. Communications**

- 1) Email from Deanna Latta dated December 8, 2018
- 2) Email from Lindsey Ecker dated December 8, 2018
- 3) Fluoride Action Network dated December 9, 2018
- 4) Email from Vicky L. Thompson dated December 9, 2018
- 5) Email from Bernadette Greene dated December 9, 2018
- 6) Resident Email from Kristy Thompson dated December 9, 2018
- 7) Email from Ray and Allison Hebert dated December 12, 2018
- 8) Email from Gilles Parent dated December 12, 2018
- 9) Resident Email from Kelsey Schumacher dated December 12, 2018
- 10) Resident Email from Mike Denunzio dated December 13, 2018
- 11) Resident Email from Shari Richard dated December 13, 2018
- 12) Email from Vicki Petras dated December 17, 2018
- 13) Email from Dr. W. Gary Sprules dated December 17, 2018



- 14) Resident Email from Steve and Kathy Fenkanyn dated December 18, 2018
- 15) Resident Email from Ayesha Drouillard dated January 3, 2019
- 16) Letter from Tim Chauvin dated January 6, 2019
- 17) Email from Dr. Domenico Aversa dated January 6, 2019
- 18) Email from Dennis Gauvin dated January 7, 2019
- 19) Resident Email from Pietro Amoroso dated January 9, 2019
- 20) Ministry of Health and Long Term Care dated January 11, 2019
- 21) Windsor Essex Community Health Centre dated January 11, 2019
- 22) Windsor Essex County Dental Hygienists Society dated January 13, 2019
- 23) Email from Dr. Sanjukta Mohanta dated January 13, 2019
- 24) The YMCA of Southwestern Ontario dated January 14, 2019
- 25) Email from Dr. Hardy Limeback dated January 16, 2019
- 26) Email from Kris McDonald dated January 16, 2019
- 27) Email from Association of Local Public Health Agencies dated January 16, 2019
- 28) Email from Kathryn Oppio dated January 16, 2019
- 29) Email from Dr. Anthony Prsa dated January 16, 2019
- 30) Canadian Mental Health Association dated January 16, 2019
- 31) Resident Email from Valerie Sayer dated January 17, 2019
- 32) Letter from Dr. Thomas Oper dated January 17, 2019
- 33) Pediatric Dental Specialists of Windsor-Essex County dated January 17, 2019
- 34) Email from Jennifer Claridge dated January 17, 2019
- 35) Homeless Coalition of Windsor Essex County Executive dated January 18, 2019
- 36) Email from Linda and Steve Martin dated January 18, 2019
- 37) Letter from Homeless Coalition of Windsor Essex County dated January 18, 2019
- 38) Email from Jennifer Marett dated January 18, 2019
- 39) Safe Water Ottawa dated January 18, 2019
- 40) The Harrow Health Centre Inc. dated January 19, 2019
- 41) Letter from Anita Pistor dated January 19, 2019
- 42) Email from Linda Lyman dated January 19, 2019
- 43) Email from Heidi Rexer dated January 19, 2019
- 44) Email from Jim Maxey dated January 19, 2019
- 45) Email from Jordan Scott dated January 19, 2019
- 46) Email from Cathy Greenwell dated January 19, 2019
- 47) Email from Emili Naumoski dated January 20, 2019
- 48) Email from Lana Chandler dated January 20, 2019
- 49) Email from Marcia Marchant dated January 20, 2019

- 50) Email from Trevor Deblock dated January 20, 2019
- 51) Email from Lauren Laplante dated January 20, 2019
- 52) Email from Liz Bellon dated January 20, 2019
- 53) Email from Deana Latta dated January 21, 2019
- 54) John McGivney Children's Centre dated January 21, 2019
- 55) Email from Denise Croteau dated January 21, 2019
- 56) Email from Christine Moody dated January 21, 2019
- 57) Email from Chris Gupta dated January 21, 2019
- 58) Email from Safe Water Calgary dated January 21, 2019
- 59) Letter from Phil Beaudoin dated January 21, 2019
- 60) Safe Water Calgary dated January 21, 2019
- 61) Windsor Family Health Team dated January 21, 2019
- 62) Letter from Suzanne Friemann dated January 21, 2019
- 63) Letter from Catherine Owen dated January 21, 2019
- 64) Email from Beth Lane dated January 21, 2019
- 65) Letter from Mary Ann Max dated January 21, 2019
- 66) Email from Ashley Jenkins dated January 21, 2019
- 67) Email from Paul Quenneville dated January 21, 2019
- 68) Email from Diana McGraw dated January 21, 2019
- 69) Email from Vicki Petras dated January 21, 2019
- 70) Email from Pam Killeen dated January 21, 2019
- 71) Letter from Paul Niven dated January 21, 2019
- 72) Email from Jim Menzies dated January 21, 2019
- 73) Email from Stephanie Nagle dated January 21, 2019
- 74) Workforce Windsor Essex dated January 22, 2019
- 75) Children's Aid Society dated January 22, 2019
- 76) Canadian Dental Hygienist Association dated January 22, 2019
- 77) Children First dated January 22, 2019
- 78) Community Partnership dated January 22, 2019
- 79) Erie St. Clair Oral Health Coalition dated January 22, 2019
- 80) Ontario Dental Hygienists' Association dated January 22, 2019
- 81) Conseil Scolaire Catholique Providence dated January 22, 2019
- 82) Royal College of Dental Surgeons of Ontario dated January 22, 2019
- 83) Letter from Shannen Janisse dated January 22, 2019
- 84) St. Leonard's dated January 22, 2019
- 85) Southwest Ontario Aboriginal Health Access Centre dated January 22, 2019
- 86) Windsor Essex Community Foundation dated January 22, 2019
- 87) Letter from Andrea MacFarlane dated January 22, 2019
- 88) Ontario Dental Assistants Association dated January 22, 2019

- 89) Building Blocks for Better Babies dated January 22, 2019
- 90) Letter from Hanan Nigma dated January 22, 2019
- 91) Hotel Dieu Grace Healthcare dated January 22, 2019
- 92) Letter from Katherine LeBoeuf dated January 22, 2019
- 93) Letter from Kim Casier dated January 22, 2019
- 94) Canadian Association of Public Health Dentistry dated January 22, 2019
- 95) Letter from Mary Mancini, dated January 22, 2019
- 96) Letter from Michelle O'Neil dated January 22, 2019
- 97) Ontario Association of Public Health Dentistry dated January 22, 2019
- 98) Letter from Saba Booze dated January 22, 2019
- 99) Letter from Sandra Woltz dated January 22, 2019
- 100) Letter from Simone O'Neil dated January 22, 2019
- 101) Letter from Sybil Lee dated January 22, 2019
- 102) The International Academy of Oral Medicine and Toxicology dated January 22, 2019
- 103) Letter from Kallie Miller dated January 22, 2019
- 104) Email from Alice Terpstra dated January 22, 2019
- 105) Letter from Erin Labute dated January 22, 2019
- 106) Letter from Angela Oliva dated January 23, 2019
- 107) Letter from Tania D' Angela dated January 23, 2019
- 108) Letter from Brianne Fields dated January 25, 2019
- 109) Email from Diane Benkendorf dated January 25, 2019
- 110) Email from Richard Perin dated January 25, 2019
- 111) Email from Kirsten Blok dated January 29, 2019
- 112) Email from Lorene Clayton dated January 28, 2019
- 113) Email from Dr. Robert Trajkovski dated January 28, 2019
- 114) Email from Robina Millar Athavale dated January 27, 2019
- 115) Email from Paul Connett dated January 29, 2019

**Motion: PCM - 04/19**

Moved By Deputy Mayor Joe Bachetti  
Seconded By Councillor Rick Tonial

**That** Communications - For Information from 1 to 115 as listed on the Tuesday, January 29, 2019 Public Council Meeting Agenda are received.

Carried

**7. Reports**

There are no reports presented to Council.

**8. Adjournment**

**Motion: PCM - 05/19**

Moved By Councillor Bill Altenhof  
Seconded By Councillor Rick Toniai

**That** there being no further business, the Tuesday, January 29, 2019 meeting of the Public Council Meeting now adjourn at 9:32 pm.

Carried

---

Gary McNamara, Mayor

---

Laura Moy, Clerk

Municipalité de  
Municipality of

**m**ATTICE~  
**v**AL CÔTÉ



Sac postal / P.O. Bag 129, Mattice, Ont. P0L 1T0  
(705) 364-6511 – Fax: (705) 364-6431

December 11<sup>th</sup>, 2018

Ministry of Municipal Affairs and Housing  
Office of the Minister  
777 Bay Street, 17<sup>th</sup> Floor  
Toronto, ON  
P5G 2E5

Attention: Honourable Steve Clark, Minister

Honourable Minister,

Re: Paragraph 4 of the Declaration of Office

---

Section 232 of the *Municipal Act, 2001 (Ontario)* provides that a person cannot take a seat on the council of a municipality until he or she takes the declaration of office on the form established by the Minister for that purpose.

In its current version, the declaration of office contains a statement whereby newly elected members of Council promise and declare their faith and allegiance to the Queen. Said statement is considered by many as irrelevant to the current political state of affairs, while many others find it simply offensive.

The Municipality of Mattice – Val Côté recently passed the enclosed resolution requesting that your Ministry amend paragraph 4 of the Declaration of Office in order to address these very legitimate concerns.

Sincerely yours,

Marc Dupuis  
Mayor

Encl. Resolution no. 18-190



Meeting no. 18-15

Resolution no. 18-190

Date: December 10<sup>th</sup>, 2018

Moved by: Daniel Grenier

Seconded by: Steve Brousseau

WHEREAS the requirement for members of municipal Council to be faithful and to bear true allegiance to the Queen is considered by many to be outdated and representative of a different era, and;

WHEREAS said requirement can go against or be contrary to an individual's culture, principles and beliefs, and;

WHEREAS said requirement presents an obstacle for some individuals who would have otherwise been willing to run for Council and serve at the municipal level of government;

NOW THEREFORE BE IT RESOLVED THAT the Ministry of Municipal Affairs and Housing and its Minister modify the wording of paragraph four of the Declaration of Office to make it more inclusive and representative of the times, and;

BE IT FURTHER RESOLVED THAT the Ministry consider replacing paragraph four of the Declaration of Office with the following wording: "I will be faithful and bear true allegiance to my country, Canada, and to its three founding nations", and;

BE IT FURTHER RESOLVED THAT a copy of this resolution be forwarded to the Ministry of Municipal Affairs and Housing, to the Premier of Ontario, Doug Ford, to our provincial and federal parliament representatives, Guy Bourgouin and Carol Hughes, and to all Ontario municipalities.

Carried ☒ Defeated ☐ Deferred ☐

Mayor, Marc Dupuis  
Presiding Officer

**Recorded Vote**

(unanimous unless indicated below)

Name	Yeas	Neas	Abstention
Dupuis, Marc			
Brousseau, Steve			
Grenier, Daniel			
Lemay, Richard			
Malenfant, Joyce			

Certified by:

Guylaire Coulombe  
Guylaire Coulombe, CAO/Clerk

**Environment and Land Tribunals  
Ontario**

Local Planning Appeal Tribunal

655 Bay Street, Suite 1500  
Toronto ON M5G 1E5  
Telephone: (416) 212-6349  
Toll Free: 1-866-448-2248  
Website: [www.elto.gov.on.ca](http://www.elto.gov.on.ca)

**Tribunaux de l'environnement et de  
l'aménagement du territoire Ontario**

Tribunal d'appel de l'aménagement  
local

655 rue Bay, suite 1500  
Toronto ON M5G 1E5  
Téléphone: (416) 212-6349  
Sans Frais: 1-866-448-2248  
Site Web: [www.elto.gov.on.ca](http://www.elto.gov.on.ca)



**VIA EMAIL**

January 21, 2019

The Clerk  
Town of Tecumseh  
917 Lesperance Road  
Tecumseh, ON N8N 1W9  
[lmoy@tecumseh.ca](mailto:lmoy@tecumseh.ca)

Subject:	Case Number:	PL180870
	File Number:	PL180870
	Municipality:	Town of Tecumseh
	By-Law Number:	BL 2018-62
	Property Location:	14328 & 14346 Tecumseh Road
	Applicant:	2593430 Ontario Limited - Elmgrove LP
	Appellant:	Shannon Hind

---

Subsection 34(23.1) of the *Planning Act* provides;

(23.1) If all appeals to the Tribunal under subsection (19) are withdrawn and the time for appealing has expired, the Tribunal shall notify the clerk of the municipality and the decision of the council is final and binding.

I am writing to advise that the appeal by Shannon Hind was withdrawn by letter dated January 21, 2019.

There are no outstanding appeals in this matter, and our file is closed.

Yours truly,

A handwritten signature in cursive script, reading "Mary Ann Hunwicks".

Mary Ann Hunwicks  
Secretary

C.C.  
Shannon Hind, [shanhind@hotmail.com](mailto:shanhind@hotmail.com)  
Philip McCullough, [salmcc@netscape.net](mailto:salmcc@netscape.net)  
Edwin Hooker, [ehooker@wolfhooker.com](mailto:ehooker@wolfhooker.com)



January 22, 2019

Ministry of Municipal Affairs and Housing  
Office of the Minister  
777 Bay Street, 17<sup>th</sup> Floor  
Toronto, ON M5G 2E5

Minister Steve Clark:

**Sent via E-mail**

**Re: Opting In to Allow Retail Cannabis Stores**

Please be advised that at the January 15, 2019 meeting of Niagara Falls City Council, the following motion was passed:

- ORDERED** on the motion of Councillor Ioannoni, seconded by Councillor Campbell, that Council opt in to the Provincial Retail Cannabis Store program;
- AND ALSO**, that Council adopt the attached Municipal Policy Statement on Cannabis for the purpose of reviewing and commenting on licence applications;
- AND ALSO**, that City Council harmonize its anti-smoking by-law with amendments to the Regional anti-smoking by-law and work with Regional Health in public consultation regarding additional public areas where tobacco, cannabis and related products can be smoked or consumed;
- AND ALSO**, that City Council send a resolution to the Province requesting that municipalities in Ontario be given greater regulatory controls over the location, distance separations and numbers of Retail Cannabis Stores within a municipality;
- AND ALSO**, that a copy of this motion of Council be sent to all municipalities in Ontario.

If you have any questions, please contact me directly.

Attach.

c. The Honourable Doug Ford, Premier of Ontario  
All Municipalities in Ontario

Sincerely,

Bill Matson  
Acting City Clerk

***Working Together to Serve Our Community***

Clerks  
Ext 4342 Fax 905-356-9083  
billmatson@niagarafalls.ca



## APPENDIX 2

<b>CORPORATE POLICY</b>  <b>PLANNING, BUILDING &amp; DEVELOPMENT</b>	<b>DATE EFFECTED</b> December 11, 2018 <b>DATE OF REVISION</b>	<b>PROCEDURE 500.22</b> Municipal Policy Statement on Cannabis Report: PBD-2018-76
--	--	--

### 1.0 Purpose & Vision

- a) The purpose of this policy statement is to provide a format for the City of Niagara Falls to provide input to the Alcohol and Gaming Commission of Ontario (AGCO), as well as help prospective recreational cannabis retailers in their consideration of location of cannabis retail stores in Niagara Falls.
- b) It is recognized the AGCO is the provincial authority responsible for licensing cannabis retail operators, authorizing cannabis retail locations and licensing senior store staff. Municipal governments have no licensing authority. The AGCO regulates and reviews all aspects of the retail operation including municipal and public input, that the proposed store location is consistent with the public interest as defined in the regulations.
- c) The City of Niagara Falls has chosen to allow retail sales of recreational cannabis within commercial zones.

### 2.0 Principles for Cannabis Retail Store Locations

- a) For the purposes of this policy statement, a cannabis retail store shall mean a store licensed or under application to be licensed by the AGCO.
- b) Land Use Planning: The provincial licensing process does not remove the requirement to comply with the zoning by-law and other municipal planning documents. The definitions within the municipality's Official Plan and Zoning By-law are applicable to all retail, including cannabis retail stores. Retail sale of cannabis from a provincially licensed store is legal and is a permitted use in the retail zones.
- c) Municipal Building Inspections: The Ontario Building Code applies to cannabis retail store locations. Therefore, where a building or sign permit is required, applications together with appropriate fees shall be submitted to the Niagara Falls Building Division. The building inspector will undertake duties as usual. Fire Code compliance is mandatory.

### 3.0 Cannabis Retail Stores and Sensitive Activities

- a) The goal is to help ensure public health and safety, protect of youth and reduce illegal sales, retail cannabis stores are discouraged where nearby

properties are designed to serve youth, or the potential for illegal sales or health risk exist. It is recommended that a 150m distance be maintained from:

- i) Schools as outlined in O. Reg 468.18;
  - ii) Facilities such as nursery schools, day care centres and municipal libraries, parks, trailheads and recreational facilities including community centres and arenas; and
  - iii) Facilities that serve persons with mental health or addiction challenges.
- b) Attached is a map showing the retail/commercial zones of the municipality and the activities identified in i), ii) and iii) above.

#### **4.0 Comment Preparation & Submission**

- a) Planning Staff when preparing comments to be submitted to the AGCO, shall have regard for:
- i) ensuring zoning allows a retail use as a permitted use and whether the zone provisions and regulations of the zone can be satisfied;
  - ii) the separation distances listed for uses in 3.0 i), ii) and iii) of this Policy are met; and
  - iii) the goal of 3.0 is met.
- b) Where time limits do not allow a report to be brought before City Council, the Director of Planning, Building & Development is delegated the responsibility to submit comments to the AGCO on behalf of the Corporation.



County of  
Essex

**Office of the Manager, Planning Services**

William J. King, AMCT, MCIP, RPP  
Manager, Planning Services

January 29, 2019

**VIA EMAIL ONLY**

Town of Tecumseh  
Attention: Ms. Laura Moy, Clerk  
917 Lesperance Road  
Tecumseh, ON N8N 1W9

**Re: Official Plan Amendment No. 15 – Village of St. Clair Beach Official Plan  
14328 and 14346 Tecumseh Road  
Town of Tecumseh  
File No.: 37-OP-2018-008**

---

Dear Ms. Moy:

Please find attached a Notice of Decision regarding the above noted application.

Should you have any questions, please do not hesitate to contact the undersigned.

Yours truly,

**WILLIAM J. KING, AMCT, MCIP, RPP**  
Manager, Planning Services

Enclosure

c.c. Brian Hillman  
Shannon Hind

MMAH  
Richard Moy

Davide Petretta

File No.: 37-OP-2018-008  
Municipality: Town of Tecumseh  
Subject Lands: 14328 & 14346 Tecumseh Road

Date of Decision: January 29, 2019  
Date of Notice: January 29, 2019  
Last Date of Appeal: February 19, 2019

---

## NOTICE OF DECISION

With respect to an Official Plan Amendment  
Subsection 17(35) and 21 of the Planning Act

---

A decision was made on the date noted above to approve Amendment No. 15 to the Official Plan for the Village of St. Clair Beach, as adopted by By-law 2018-61. The approval authority considered all submissions received on this application, the effect of which helped the approval authority make an informed decision.

### Purpose and Effect of the Official Plan Amendment

The purpose of Official Plan Amendment No. 15 is to change the land use designation on a 1.3 hectare parcel of land located on the north side of Tecumseh Road (14328 and 14346 Tecumseh Road), approximately 45 metres east of its intersection with Brighton Road, from "Commercial" to "Medium Density Residential", with a site specific land use policy. The re-designation facilitates the construction of an apartment building having a maximum height of 65 feet (19.812 metres) and no more than five (5) storeys, containing not greater than sixty-five (65) dwelling units, with ground floor commercial units and an accessory marina also permitted on the subject property. A copy of the decision is attached.

---

### When and How to File An Appeal

Notice to appeal the decision to the Local Planning Appeal Tribunal (LPAT) must be filed with the County of Essex no later than 20 days from the date of this notice as shown above as the last date of appeal.

The notice of appeal should be sent to the attention of the Manager, Planning Services at the address shown below and it must,

- (1) include a completed ***Appellant Form (A1) Planning Act*** available from the LPAT website [www.elfto.gov.on.ca](http://www.elfto.gov.on.ca), and
- (2) be accompanied by the prescribed filing fee in the amount of \$300.00 payable by certified cheque or money order to the Minister of Finance.

### Who Can File An Appeal

Only individuals, corporations or public bodies may appeal a decision of the approval authority to the LPAT. A notice of appeal may not be filed by an unincorporated association or group. However, a notice of appeal may be filed in the name of an individual who is a member of the association or group on its behalf.

No person or public body shall be added as a party to the hearing of the appeal unless, before the

amendment was adopted, the person or public body made oral submissions at a public meeting or written submissions to the Council or, in the opinion of the LPAT, there are reasonable grounds to add the person or public body as a party.

### When the Decision is Final

The decision of the County of Essex is final if a Notice of Appeal is not received on or before the last date of appeal noted above.

### Getting Additional Information

Additional information about the amendment, including a complete version of the amendment, is available for public inspection during regular office hours at the County of Essex at the address noted below or from the Town of Tecumseh.

### Mailing Address for Filing a Notice of Appeal:

County of Essex  
360 Fairview Avenue West  
Essex, ON N8M 1Y6

### Submit notice of appeal to the attention of:

William King, Manager – Planning Services  
Tel: (519) 776-6441, Ext. 1329  
Fax: (519) 776-4455

# DECISION

**With respect to Official Plan Amendment # 15  
Official Plan for the Village of St. Clair Beach  
Subsection 17(34) of the Planning Act**

---

I hereby approve Amendment # 15 to the Official Plan for the Village of St. Clair Beach, as adopted by By-Law 2018-61.

Dated at Essex, Ontario this 29th of January, 2019

## ORIGINAL SIGNED

---

William J. King, MA, MCIP, RPP  
Manager, Planning Services  
County of Essex

January 31, 2019

Darlene Bradley  
Vice President, Planning and Engineering  
Hydro One Networks, Inc.  
483 Bay Street  
Toronto, ON M5G 2P5

Independent Electricity System Operator

1600-120 Adelaide Street West  
Toronto, ON M5H 1T1  
t 416.967.7474  
www.ieso.ca

Dear Darlene:

**Re: Establishing a switching station in the Leamington area to accommodate demand growth**

The purpose of this letter is to request that Hydro One establish a new switching station at or near Leamington Junction to sectionalize and switch the four existing 230 kV circuits from Chatham to the Windsor area (C21J/C22J/C23Z/C24Z).

A number of system improvements have been identified as part of the ongoing Windsor-Essex Integrated Regional Resource Plan ("IRRP") and bulk transmission planning study for the broader West of London area. Based on the forecast demand growth in the Kingsville-Leamington area, these planning activities identified the need for a new switching station at the Leamington Junction as an outcome of the initial study work and will form a basis for additional supply reinforcements to the area.

The switching station will increase the capability of the system to supply load in the Kingsville-Leamington area while contributing to improved performance of the bulk system. The nature and timing of the need, as well as the objectives and scope of the recommended solution, are described below in more detail.

Background and Project Objectives

The Kingsville-Leamington area encompasses two existing load supply stations, Kingsville TS and Leamington TS. Over 600 MW of load is forecast to materialize in the area by 2022, predominately in the area supplied by Leamington TS. The growth is driven by rapid expansion in the greenhouse sector and aggressive adoption of artificial crop lighting, primarily in the winter months, and is forecast to continue beyond 2022.

Both Kingsville TS and Leamington TS are forecast to reach their station capacity within the next year. An expansion to Leamington TS, which will double the station's capacity, is currently under development by Hydro One and is expected to be in-service by the end of 2019.

The transmission system supplying Leamington TS is currently limited in its capability to serve the expanded station. In order to accommodate the expansion of Leamington TS and connection of two additional transmission customers, interim measures are required. The resulting system will have a lower level of reliability than what is typically provided. Beyond these connections



and interim measures, the existing system does not have the ability to accommodate the total amount of forecasted load.

The proposed switching station will improve reliability, and provide some additional local supply capability to connect an additional transformer station and continue supplying load in the Kingsville-Leamington area. Upstream transmission limitations are still anticipated but can potentially be mitigated by interim congestion management strategies.

Various alternatives were considered including non-wires options and other wires solutions. Due to the magnitude and the timing of the need, non-wires options alone are not sufficient. A generation option located at Leamington Junction was considered but was impractical due to the technical infeasibility and high anticipated cost. An option to build a new radial 230 kV line from Chatham SS to Leamington TS was also ruled out on the basis that the load meeting capability would be insufficient to meet the forecasted load growth and the solution would not provide the flexibility to supply future growth beyond the Leamington TS expansion.

In addition to improving load supply capability in the Kingsville-Leamington area, the proposed switching station will improve the performance of the bulk system by balancing the flow on the existing transmission circuits from Chatham, thus improving transfer capability. The switching station will also reduce exposure to outages by allowing the existing 230 kV circuits to be sectionalized and switched independently. Furthermore, it will allow for future transmission reinforcements to increase the transfer capability west of Chatham which will allow existing export capability to Michigan to be maintained while enabling additional load growth throughout the Windsor-Essex region.

### Project Scope

The purpose of the proposed switching station is to improve the performance of Hydro One's facilities in the region. The switching station bisects Hydro One owned transmission circuits and will require a number of planned outages to Hydro One's existing assets. The switching station should ideally be constructed within Hydro One's existing right-of-way at or near the existing Leamington Junction to optimize utilization of existing infrastructure and minimize lead time. Based on the above considerations, the IESO recommends that Hydro One proceed with establishing the switching station including pursuing the required environmental and regulatory approvals.

The scope of the project will include re-termination of the four existing 230 kV circuits and installation of reactive facilities based on current system needs. Additionally, the station should be sized to accommodate future system reinforcement including space for future diameters and additional reactive facilities. The IESO will continue to work with Hydro One throughout the project development to finalize the layout of the switching station.

Given typical development timelines for similar projects, the IESO and Hydro One agree on a targeted in-service date of 2022 dependent on outcome of consultations as well as environmental and regulatory approvals. The IESO understands that consultations and a Class Environmental Assessment process will be required for this project. Additionally, depending on the siting of the switching station, a Leave to Construct may be required. The IESO will endeavour to provide support to Hydro One in these activities.

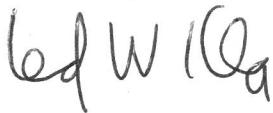
### Future Work and Next Steps

The switching station is one of a number of improvements that will be required to support load growth in the Windsor-Essex area and forms the basis for future recommendations to meet mid- and long-term needs.

In parallel to the activities identified in this letter, the IRRP's Technical Working Group<sup>1</sup> will continue to develop the long-term plan for the Windsor-Essex region. This will include an investigation of non-wires alternatives to manage evolving capacity needs in the region, and may include specifying other long-term solution(s) required to reliably serve forecasted load growth. The IESO will also be proceeding with the bulk transmission planning study for the West of London area and identifying any additional solution(s) required for the broader area.

The IESO will continue to work with, and provide support to, Hydro One in the implementation of this project, including finalizing the layout of the switching station facility. We look forward to an ongoing exchange of information as Hydro One proceeds with the development of the project.

Yours truly,

A handwritten signature in black ink, appearing to read 'L. Kula'.

Leonard Kula, P. Eng.

Vice President, Planning, Acquisition and Operations, and Chief Operating Officer

cc: Robert Reinmuller, Hydro One Networks Inc.

Terry Young, IESO

Jessica Savage, IESO

Bob Chow, IESO

IESO Records

---

<sup>1</sup> The IRRP Technical Working Group for the Windsor-Essex Region is led by the IESO and includes members from Hydro One Transmission, Hydro One Distribution, Essex Powerlines, Entegrus, E.L.K. Energy, and Enwin.



## Appendix: System Maps

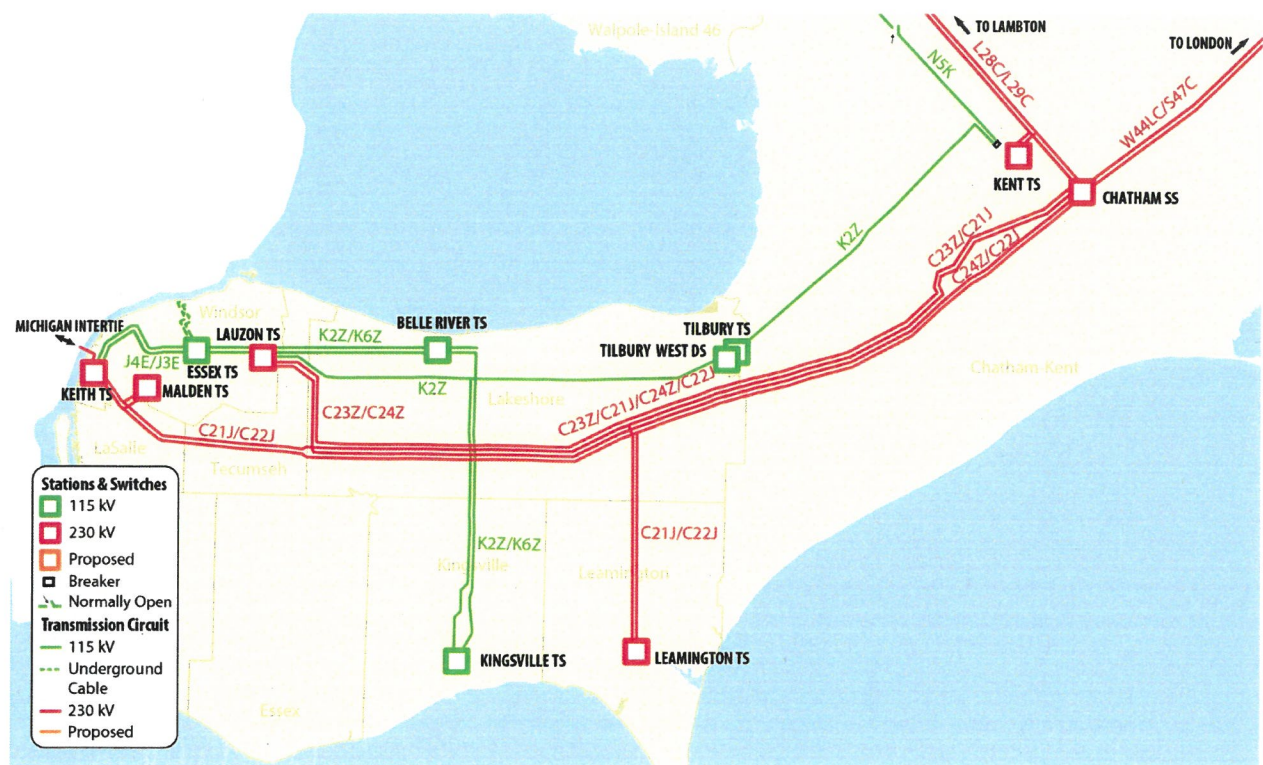


Figure 1: Geographical map of the Windsor-Essex Region

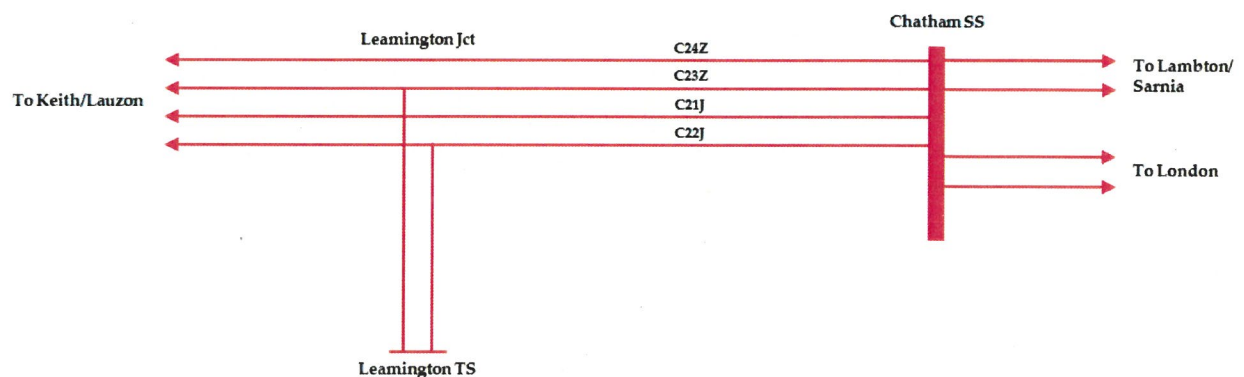


Figure 2: Single line diagram of existing facilities in the Leamington area

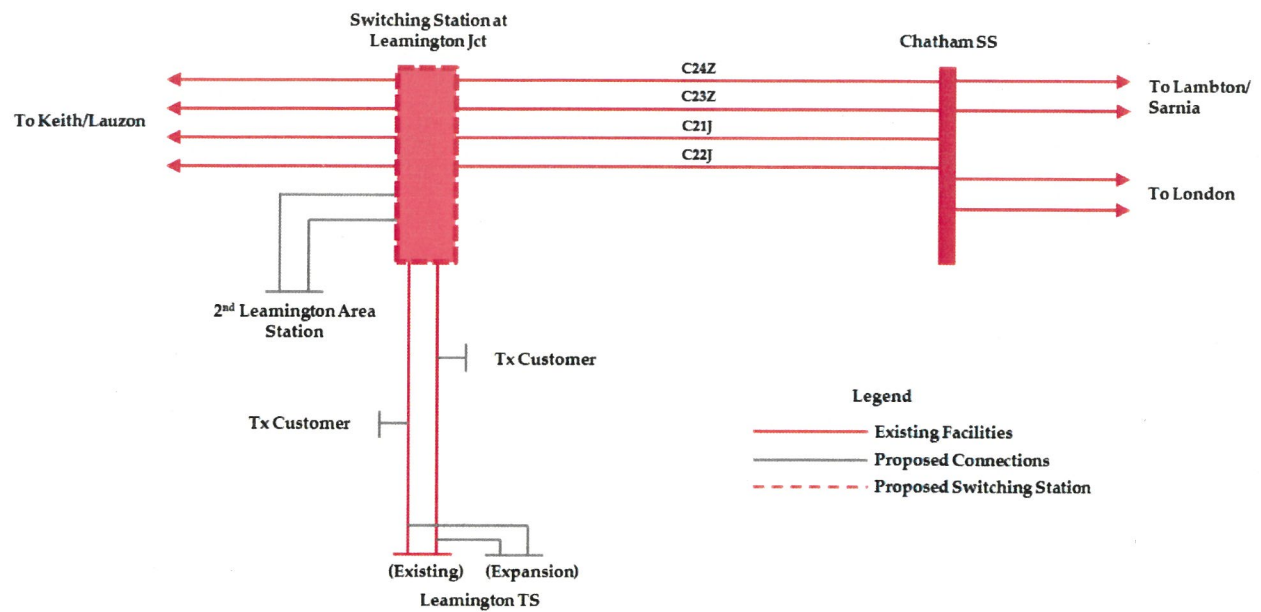


Figure 3: Single line diagram of existing and proposed facilities in the Leamington area



## The Corporation of the Town of Tecumseh Office of the Mayor



Mayor Gary McNamara

February 5, 2019

Mr. Claude Doucet  
Secretary General  
Canadian Radio-television and Telecommunications Commission  
Ottawa, ON K1A 0N2

**RE: Telecom Regulatory Policy CRTC 2018-377: Changing Eligibility Rules for Stakeholders  
Applying for Funding for High-Speed Broadband Internet Access**

---

Dear Mr. Doucet,

In order to prosper in today's global economy, Southwestern Ontario must be competitive. One of the key factors of competitiveness is connectivity. Beyond the global economy, nearly all of life's daily activities now involve some form of computerization requiring connectivity. Whether you're a parent looking to access online health resources for your child, a student looking to access educational materials for their class, or even a small business looking to file income taxes with the Canada Revenue Agency, to function in today's society connectivity is a necessity.

The Town of Tecumseh recognizes the need for this critical service and has therefore been an active supporter and contributor to the Southwestern Integrated Fibre Technology (SWIFT) project.

This letter is in support of SWIFT's request to the CRTC to change the criteria of the Broadband Fund eligibility. Currently, there are too many underserved Ontarians in Southwestern Ontario that are being denied equal access to CRTC's broadband funding. The CRTC has classified high speed Internet as a basic need, but the needs of far too many residents and businesses in Southwestern Ontario are not being met by the current funding model.

The Town of Tecumseh fully supports the recommendations SWIFT has made to the CRTC to change the criteria of eligibility to ensure that residents and businesses of Southwestern Ontario qualify for equal access to broadband funding.

We are asking the CRTC to:

- Redefine service area boundaries and allow areas that are lacking access to meet the CRTC's criteria for basic service;
- Allow lower levels of government and underserved communities to provide other evidence such as standardized Internet measurements to demonstrate their needs and therefore ensure their eligibility to apply;

XXXX . /2

Mr. Claude Doucet  
February 5, 2019  
Page 2

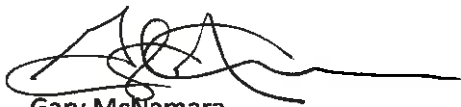
- Reconsider that in partially served areas, as we have experienced in the Town of Tecumseh first hand, that market forces are not likely to improve connectivity; and,
- Allow underserved areas to be eligible to apply as part of larger projects to incent private sector participation.

Currently the CRTC's Broadband Fund will exclude 100,000 underserved premises in Southwestern Ontario, more specifically many residents in the Town of Tecumseh, from improved access to broadband Internet. The impact of this decision on Town of Tecumseh residents and businesses is depicted on the attached map. We want to change that.

SWIFT is proposing changes to the criteria to enable all underserved stakeholders to access and leverage available funding and we are hopeful you will give strong consideration to SWIFT's recommendations.

The Town of Tecumseh believes every resident and business in our town deserves equal access to CRTC's broadband funding. We implore you to encourage this equality too.

Sincerely,



Gary McNamara  
Mayor



Tony Haddad  
Chief Administrative Officer

**Attachment: *Areas Deemed Partially Served by CRTC***

cc: Jamie McGarvey, AMO  
Pat Vanini, AMO  
Geoff Hogan, SWIFT  
Rob Maisonville, County of Essex



## The Corporation of the Town of Tecumseh Office of the Mayor



Mayor Gary McNamara

February 5, 2019

Mr. Michael Wernick  
Clerk of the Privy Council and Secretary to the Cabinet  
80 Wellington Street  
Ottawa, ON K1A 0A3

**Re: Petition to Governor in Council to Vary Telecom Regulatory Policy CRTC 2018-377  
on the Development of the Commission's Broadband Fund**

Dear Mr. Wernick,

This letter is in support of SWIFT's request to modify the Canadian Radio-television and Telecommunications Commission (CRTC) broadband funding model (1). The Commission Broadband Fund was designed to encourage greater connectivity and use of broadband Internet in underserved areas.

Recent decisions to the Commission's funding model have relaxed eligibility standards for private sector service providers, while restricting municipal government and regional projects access to federal broadband funding. Instead of complementing local government initiatives and regional broadband projects, the Commission's approach counteracts efforts and pits municipalities against each other to compete for funding.

The Town of Tecumseh Council fully supports the recommendations SWIFT has made to the Government to vary the Commission's decision by:

- Removing restrictions on eligibility of municipal governments and community-based intermediary organizations to apply for accessing the fund by restoring the more flexible approach the Commission had specified in the 2016-496 decision;
- Enhancing the Commission's commitment to the application of minimum service quality standards;
- Empowering underserved communities and promoting public-private cooperation needed to counteract Canada's growing rural-urban digital divide in Internet access quality and affordability;

... /2

Mr. Michael Wernick  
February 5, 2019  
Page 2

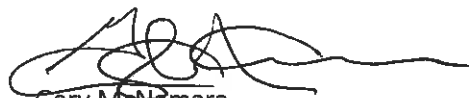
- Enhancing the accountability of subsidy recipients for actual speeds/quality of broadband services they ultimately deliver; and,
- Enhancing the transparency of the Commission's funding decisions by publishing submitted applications.

Currently, the approach of the Commission to the design of its broadband fund bypasses community engagement in project development, lacks transparency at the assessment stage, and fails to effectively commit subsidy recipients to deliver some minimum level of performance.


We wish to change that. SWIFT is proposing modifications to the funding model that will increase transparency and accountability while restoring a more flexible approach to enable municipal governments and regional broadband initiatives to apply for funding. We are hopeful you will give strong consideration to SWIFT's recommendations.

Sincerely,

TOWN OF TECUMSEH



Gary McNamara  
Mayor



Tony Haddad  
Chief Administrative Officer

(1) Reference: The Canada Gazette, Part I  
Publication date: January 18, 2019  
TIPB-001-2019 – Petition to the Governor in Council  
concerning Telecom Regulatory Policy CRTC 2018-377

cc: Director General, Telecommunications and Internet Policy Branch  
Jamie Garvey, AMO  
Pat Vanini, AMO  
Rob Maisonville, County of Essex  
Geoff Hogan, SWIFT





Council Resolution  
January 16, 2019

Moved by Councillor Neeson, Seconded by Councillor Harding

**RESOLUTION NO. C-2019-0021**

WHEREAS the Provincial Government introduced Bill 66 entitled “Restoring Ontario’s Competitiveness Act” on the final day of sitting in the 2018 Ontario Legislature, December 6<sup>th</sup>, 2018 and;

WHEREAS significant concerns have been communicated regarding schedule 10, among other schedules contained therein by residents, community leaders, legal and environmental organizations such as the Canadian Environmental Law Association (CELA), EcoJustice, Environmental Defence Canada, Ontario Nature, South Lake Simcoe Naturalists, The Simcoe County Greenbelt Coalition, The David Suzuki Foundation, AWARE-Simcoe, Lake Simcoe Watch and the North Gwillimbury Forest Alliance that provisions within Bill 66 will weaken environmental protection, undermine democratic processes and potentially endanger public health and;

WHEREAS provisions of Bill 66 allow for an “Open for Business” bylaw, which may be approved without any public consultation of the citizens of the Town of Georgina and;

WHEREAS provisions of Bill 66 allow an “Open for Business Bylaw” which would permit major development in the Town of Georgina which most notably would no longer have to have any legislative regard for certain sections of:

- *The Planning Act*
- *The Provincial Policy Statement*
- *The Clean Water Act*
- *The Great Lakes Protection Act*
- *The Greenbelt Act*
- *The Lake Simcoe Protection Act*
- *The Oak Ridges Moraine Conservation Act and;*

WHEREAS the Town of Georgina remains committed to source water protection, *The Lake Simcoe Protection Act*, the integrity of the Greenbelt and it understands the benefits for protecting these features in support of our local economy and quality of life, and

WHEREAS notwithstanding the potential future adoption of Bill 66, that the Town of Georgina will continue to remain committed to making sound decision regarding resource and environmental preservation that remain consistent with the Clean Water Act, 2006, the Provincial Policy Statement and other legislative tools which provide for good planning, while balancing the need for economic development and providing environmental and public health protection;

NOW THEREFORE BE IT RESOLVED THAT the Town of Georgina strongly recommends that schedule 10 of Bill 66 be immediately abandoned or withdrawn by the Ontario Government and;

BE IT FURTHER RESOLVED THAT The Town of Georgina declares that notwithstanding the potential future adoption of Bill 66, the Town of Georgina's Council will not exercise the powers granted to it in schedule 10 or any successor schedules or sections to pass an "open for business planning bylaw" without a minimum of two (02) public meetings which shall be advertised twenty (20) days in advance in the Georgina Advocate or its successor, and also shall be advertised in any other local media resource that is widely available to the public in the Town of Georgina, by way of bylaw and;

BE IT FURTHER RESOLVED THAT staff be directed to draft such a bylaw for Council's consideration should Bill 66 be given royal assent and be given force and effect and;

BE IT FURTHER RESOLVED THAT the Town of Georgina requests the Province of Ontario to release draft criteria and draft regulations, and to provide a commenting period in advance of consideration by the legislature, and;

BE IT FURTHER RESOLVED THAT a copy of this motion be sent to the Honourable Doug Ford, Premier of Ontario, the Honourable Steve Clark, Minister of Municipal Affairs, Andrea Horwath, MPP and Leader of the Official Opposition and the Ontario NDP Party, MPP John Fraser, Interim Leader of the Ontario Liberal Party, MPP and Leader of the Green Party of Ontario, Mike Schreiner, the Honourable Caroline Mulroney, MPP York-Simcoe, Attorney General and Minister Responsible for Francophone Affairs and;

BE IT FURTHER RESOLVED THAT a copy of this motion be sent to the Association of Municipalities Ontario (AMO), all MPP's in the Province of Ontario and all Municipalities in Ontario for their consideration.

A recorded vote was requested; the Deputy Clerk recorded the vote as follows:

	<u>YEA</u>	<u>NAY</u>
Mayor Quirk	X	
Councillor Waddington		X
Councillor Neeson	X	
Councillor Sebo	X	
Councillor Harding	X	
Regional Councillor Grossi		X
Councillor Fellini	X	

Yea – 5    Nay - 2

**Carried.**



---

Corporate Services

January 17, 2019

Via Email

The Honourable Doug Ford, M.P.P., Premier of Ontario, [doug.ford@pc.ola.org](mailto:doug.ford@pc.ola.org)  
The Honourable Christine Elliott, M.P.P., Deputy Premier of Ontario, Minister of Health and Long Term Care, [christine.elliott@pc.ola.org](mailto:christine.elliott@pc.ola.org)  
The Honourable Steve Clark, M.P.P., Minister of Municipal Affairs and Housing, [steve.clark@pc.ola.org](mailto:steve.clark@pc.ola.org)  
The Honourable Sylvia Jones, M.P.P., Minister of Community Safety and Correctional Services, [sylvia.jones@pc.ola.org](mailto:sylvia.jones@pc.ola.org)  
Andrea Horwath, M.P.P., [ahorwath-q@ndp.on.ca](mailto:ahorwath-q@ndp.on.ca)

Dear Sir/Madam:

At the Town of Orangeville Council Meeting on January 14, 2019 Council passed the following resolution:

*Whereas the protection of the integrity of the Green Belt is a paramount concern for our residents;*

*And whereas the continued legislative protection of our water – groundwater, surface water and waterways – is vitally important for the current and future environmental health of our community;*

*And whereas significant concerns have been raised by residents, community leaders and environmental organizations such as the Canadian Environmental Law Association (CELA), that provisions within Bill 66 will weaken environmental protections as it "...will enable municipalities to pass "open-for business" zoning by-laws that do not have to comply with..." important provincial environmental statutes;*

*And whereas an "Open for Business" by-law may be approved without public consultation;*

*And whereas provisions within Bill 66 may allow exemptions from municipal Official Plans;*

*And whereas the Town of Orangeville's Official Plan represents not only a significant investment of taxpayer resources but reflects our community's collective vision for current and future planning;*

*And whereas our Official Plan clearly designates land that is environmentally protected;*

*And whereas our Official Plan also provides clearly designated land to meet future employment land needs;*

Now therefore be it hereby resolved:

1. That Orangeville Town Council opposes planned changes to the Planning Act in the proposed Bill 66 that may allow for an "open for business" planning by-law.
2. That the Government of Ontario be requested to reconsider the proposed changes to the Planning Act included in Bill 66 which speak to the creation of the open-for- business planning by-law.
3. That notwithstanding the future adoption of Bill 66, the Town of Orangeville will not exercise the powers granted to it in Schedule 10 or any successor sections or schedules to pass open-for-business planning by-laws.
4. That a copy of this resolution be sent to the Honourable Doug Ford, Premier of Ontario, the Honourable Steve Clark, Minister of Municipal Affairs and Housing, the Honourable Christine Elliott, Deputy Premier of Ontario, the Honourable Sylvia Jones, Minister of Community Safety and Correctional Services, MPP Dufferin-Caledon and Andrea Horwath, MPP, Leader of the New Democratic Party.
5. That a copy of this resolution be sent to the Association of Municipalities of Ontario (AMO) and all Ontario municipalities for their consideration.

Yours truly,



**Susan Greatrix | Clerk**

**Town of Orangeville** | 87 Broadway | Orangeville, ON L9W 1K1

519-941-0440 Ext. 2242 | Toll Free 1-866-941-0440 Ext 2242 | Cell 519-278-4948

[sgreatrix@orangeville.ca](mailto:sgreatrix@orangeville.ca) | [www.orangeville.ca](http://www.orangeville.ca)

TM

cc The Honourable François-Philippe Champagne, M.P., Minister of Infrastructure and Communities,  
[Francois-Philippe.Champagne@parl.gc.ca](mailto:Francois-Philippe.Champagne@parl.gc.ca)  
The Honourable Patricia A. Hajdu, M.P., Minister of Employment, Workforce Development and Labour,  
[Patty.Hajdu@parl.gc.ca](mailto:Patty.Hajdu@parl.gc.ca)  
The Honourable Lawrence MacAulay, M.P., Minister of Agriculture and Agri-Food,  
[lawrence.macaulay@parl.gc.ca](mailto:lawrence.macaulay@parl.gc.ca)  
The Honourable Catherine McKenna, M.P., Minister of Environment and Climate Change,  
[Catherine.McKenna@parl.gc.ca](mailto:Catherine.McKenna@parl.gc.ca)  
The Honourable Amarjeet Sohi, M.P., Minister of Natural Resources, [Amarjeet.Sohi@parl.gc.ca](mailto:Amarjeet.Sohi@parl.gc.ca)  
David Tilson, M.P., Dufferin-Caledon, [david.tilson.c1@parl.gc.ca](mailto:david.tilson.c1@parl.gc.ca)  
Association of Municipalities of Ontario (AMO)  
All Ontario Municipalities



## The Corporation of the Town of Tecumseh

Chief Administrative Officer

**To:** Mayor and Members of Council

**From:** Tony Haddad, Chief Administrative Officer

**Date to Council:** February 12, 2019

**Report Number:** CAO-2019-02

**Subject:** Strategic Priorities Update

---

### Recommendations

It is recommended:

**That** Report CAO-2019-02 Strategic Priorities Update regarding progress on the Strategic Priorities established by Council in January 2017 **be received**.

### Background

At the 2017-2018 Strategic Planning and Priority Setting Session held on January 17, 2017, senior management staff briefed Council on Town initiatives and practices. Council members offered their perspectives and feedback. An external facilitator supported staff in collating the information. This information was synthesized into overarching strategic goals that are supported by priority areas of focus and strategic action items that can facilitate implementation, which were presented to Council on March 14, 2017. An update on progress on the priorities was provided to Council on September 25, 2018. This report outlines the final progress for 2018 in advance of the strategic priorities meeting scheduled for February 15, 2019.

The Strategic Priorities and progress to date are outlined as follows:

**Strategic Goal #1: Make the Town of Tecumseh an even better place to live, work and invest through a shared vision for our residents and newcomers**

Priority Areas of Focus	Strategic Action Items
Economic Development in the Town of Tecumseh	<ul style="list-style-type: none"> <li>• Recognize the importance of revitalization to encourage vibrant and engaging commercial areas that provide a range of goods and services to residents and businesses and to attract further investment and redevelopment.</li> <li>• Partner with existing local businesses and the BIA to assist with planning and development requirements, to accelerate opportunities for business expansion.</li> <li>• Recognize the importance of the existing employment base and support opportunities for onsite expansion and relocation within Tecumseh.</li> <li>• Support employment attraction efforts in order to increase range of employment opportunities and encourage job creation.</li> <li>• Ensure Tecumseh is a desirable municipality to live, work and invest.</li> <li>• Support small business development and commercial success by sharing economic development information</li> <li>• Identify opportunities in the energy and resource-recovery fields.</li> <li>• Partner with businesses, land-owners, utilities and other public authorities to generate economic activity and employment and / or reduce the cost of energy and environmental degradation.</li> <li>• Support small business development and success by sharing information from economic development agencies relevant to their activities.</li> </ul>
Progress	<ul style="list-style-type: none"> <li>• Continued implementation of the Tecumseh Road Main Street Community Improvement Plan ("CIP"). Since the adoption in January 2016, more than \$398,960 has been committed. In 2018, six CIP Financial Incentive Applications were committed with a total value of \$107,575.</li> <li>• Continued to advance the Tecumseh Road Main Street CIP Streetscape Plan. Potential for private driveway consolidations and creation of cross-access arrangements are being investigated to finalize the streetscape design and to optimize new on-street parking.</li> </ul>

Priority Areas of Focus	Strategic Action Items
	<ul style="list-style-type: none"> <li>• Introduced a pilot project to waive permit fees for specific business construction/expansions and hotel construction for one year beginning in March 2018.</li> <li>• Continued to work with Windsor Essex Economic Development Corporation (WEEDC) on business communications, attraction, outreach and support for local businesses. Manager Strategic Initiatives has provided ongoing support for funding initiatives being sent to both Ontario and Canada via the Institute for Border Logistics.</li> <li>• Continued investment in infrastructure to attract new business investment in the old town and Oldcastle communities.</li> <li>• Kept tax, water and wastewater rates among the lowest in the area while supporting municipal services at above average levels.</li> <li>• Launched Business Satisfaction Survey to more than 900 local businesses. The survey was sent via email, fax, letter and hand delivery. The BIA and local media shared details of the survey several times from June to November. Despite three attempts at communications, only 54 businesses responded to the survey. The survey will be reassessed in 2019 with additional communications to local businesses and support groups with the hope that more businesses will participate.</li> <li>• Ongoing communications and support with BIA via the Manager Strategic Initiatives to encourage a sharing of information across all social media channels.</li> <li>• Manning Road Secondary Plan Area-Specific Development Charge By-law was denied by the Ontario Municipal Board (OMB) [renamed to Local Planning Appeal Tribunal (LPAT)], resulting in ongoing meetings to evaluate potential next steps to facilitate the appropriate, efficient and economical servicing and development of this area. A written framework to advance more detailed discussions was forwarded to the two major landowners at the end of 2018, thereby setting the stage for the potential realization of consensus in early 2019.</li> <li>• Continued sanitary sewer investigations and testing to determine inflow and infiltration to assist in funding sewer rehabilitation projects. More than 2,000 sanitary sewer rain shields have been installed throughout Town.</li> </ul>

Priority Areas of Focus	Strategic Action Items
	<ul style="list-style-type: none"> <li>• Created online business locator map for the Tecumseh BIA area.</li> <li>• Manager Strategic Initiatives joined a regional committee comprised of other county representatives and Tourism Windsor Essex Pelee Island to advance a County wide sign policy to link signs on Highways 401 and 3 to local signage. The goal is to encourage tourism and assist visitors in where to go and how to get there. Initial meeting with regional CAO's is being organized.</li> </ul>
Tecumseh's Role as Part of a Region	<ul style="list-style-type: none"> <li>• Explore ways to leverage benefits of regional growth and development, including promoting the upgrading of Manning Road as a regional economic and transportation artery.</li> <li>• Encourage Tecumseh to play a leadership role, in cooperation with other municipalities in the County, the City of Windsor, and across Southwestern Ontario, to promote economic growth and development.</li> <li>• For some issues designated by Council, which go beyond the mandate of the municipal corporation, Council should play a leadership role for the community and in the region, convening organizations that serve the community and the region, in support of common goals and objectives.</li> </ul>
Progress	<ul style="list-style-type: none"> <li>• Continued to liaise with partner municipalities, WEEDC and Tourism Windsor-Essex Pelee Island (TWEPI) to promote and encourage investment and tourism. In late 2018, TWEPI organized a County Sign Committee which the Manager Strategic Initiatives sits on.</li> <li>• Joined a new Local Planning Committee with Workforce Windsor-Essex to share ideas and contribute to new employment tools being developed by the organization.</li> <li>• Mayor Gary McNamara was elected Warden of Essex County.</li> <li>• Continued partnership with the Healthy Kids Community Challenge regional program funded by the Province of Ontario. This initiative includes several events throughout the year hosted by the Parks &amp; Recreation Department.</li> <li>• Worked in partnership with Pathway to Potential to support the City/County Poverty Reduction Strategy.</li> <li>• Received approximately \$106,000 under the Ontario Municipal Commuter Cycling program in spring 2018. The program was</li> </ul>

Priority Areas of Focus	Strategic Action Items
	cancelled under the new Ontario government and funds must be spent by December 2020.
Tecumseh's Development as a Sustainable Community	<ul style="list-style-type: none"> <li>• Recognize the cultural and natural heritage of Tecumseh and leverage these attributes to create a sense of place and pride, for existing residents and newcomers, and to enhance Tecumseh's distinctive regional image.</li> <li>• Encourage a range of housing options in the context of new development.</li> <li>• Explore opportunities to promote housing options that will appeal to young families and to active seniors with the new Official Plan.</li> <li>• Create a development landscape that reinforces the character and attributes of Tecumseh.</li> <li>• Draw on the strengths of past activities in order to inform future decisions.</li> <li>• Support growth that enhances Tecumseh as a complete community.</li> <li>• Bring forward an Energy Plan for the Municipal Corporation, including municipal buildings.</li> <li>• Consider developing a multi-faceted "Green Plan" for Tecumseh, including: <ul style="list-style-type: none"> <li>○ Outlining alternative models of waste collection, waste reduction and waste diversion based on the successful experience of other municipalities;</li> <li>○ Encourage community-wide energy conservation (and possibly energy generation and distribution);</li> <li>○ Implement improved community environmental protection (such as measures to promote conservation, and to make water, wastewater and stormwater systems more resilient and households less vulnerable to the global rise in "peak" weather events); and,</li> </ul> </li> <li>• Partner with local, regional, provincial and federal organizations to assist in encouraging residents and businesses to think and act "green".</li> </ul>

Priority Areas of Focus	Strategic Action Items
Progress	<ul style="list-style-type: none"> <li>• Increased communications to encourage residents to reduce waste and recycle more. A waste reduction communications plan is being developed.</li> <li>• The Town Energy Conservation &amp; Demand Management (ECDM) Plan was adopted March 30, 2015. The semi-annual staff newsletter continues. The Town will continue to investigate ways to help with energy reduction in buildings including the use of natural day lighting in buildings and strategic tree planting to create shade to help with cooling buildings.</li> <li>• Continued annual reports to Council to provide: update on progress towards ECDM Plan energy reduction and Greenhouse Gas (GHG) reduction targets, recommended projects for current year and potential projects being considered for future implementation.</li> <li>• Achieved target levels for energy consumption in facilities and street lighting prior to target date of 2019.</li> <li>• Continued to work to reach 2019 target levels for natural gas and vehicle fuel GHG emissions.</li> <li>• Completed energy audits for the four largest energy consuming facilities: Arena, Town Hall, Fire Hall #1 and OPP Station. Recommendations are being implemented. These measures will assist the municipality in reducing its natural gas consumption.</li> <li>• Continued regular schedule replacement of HVAC equipment to improve energy efficiency and reduce GHG emissions. All the late model 1990 model HVAC units installed on the arena offices and lobby areas have been replaced to improve efficiency and reduce energy consumption.</li> <li>• A policy in regards to street naming recognition in honour of veterans and persons who have contributed to the community is being explored.</li> <li>• Re-named Green Acres Optimist Park to Optimist Park (St. Clair Beach) in recognition of the St. Clair Beach Optimist Club contributions to the park and community as a whole.</li> <li>• Partnered with Sandwich South &amp; Area Historical Society to construct a Cultural and Resource Centre at Fire Hall #2 which opened in September 2018.</li> </ul>



Priority Areas of Focus	Strategic Action Items
	<ul style="list-style-type: none"> <li>• The Heritage Committee continues to identify properties of cultural heritage value or interest for placement on the <i>Municipal Register Listing</i> in an effort to preserve the Town's heritage.</li> <li>• Various housing developments: <ul style="list-style-type: none"> <li>○ Strawberry Ridge Phase IV, 1 of 19 single unit dwelling lots remaining;</li> <li>○ Estates of Lakewood, 6 of 87 single unit dwelling lots remaining, 12 townhomes completed;</li> <li>○ Carmalita Court (former St. Anne High School South Campus), all units occupied and final development works are being completed;</li> <li>○ Masotti two 6-unit apartment buildings were completed at corner of Lesperance Road and Lanoue Street;</li> <li>○ Site plan application submission and review for a 5 storey, 44 unit condominium apartment building on the south side of Tecumseh Road, west of Shawnee Road (formerly known as the Bernat proposal);</li> <li>○ Council adoption of Official Plan and Zoning By-law amendments to permit a five-storey, 65-unit condominium apartment building with associated marina uses (Petretta proposal) on the former Pud's Marina property (appealed to LPAT);</li> <li>○ Public Meeting for Official Plan and Zoning By-law amendments proposing 22 townhomes and a 4-storey/55 unit apartment (Rosati proposal) on the south portion of the former St. Gregory's school site; and</li> <li>○ Public meeting for Official plan and Zoning By-law amendments proposing three 3-storey, 6-unit multi-unit dwellings for a total of 18 dwelling units (Bashi proposal), on the northeast corner of the County Road 42 and Lesperance Road intersection.</li> </ul> </li> <li>• Paved an accessible walkway at the Tecumseh Historical Museum using funds from the Association of Municipalities of Ontario Main Street grant.</li> <li>• Reviewed the current land needs of the Town and reported certain dispositions of lands deemed to be surplus to the Town's needs (i.e. McColl Avenue and Highway 3 and Walker Road). Dispositions will be considered in 2019 in collaboration with area developments.</li> </ul>

Priority Areas of Focus	Strategic Action Items
	<ul style="list-style-type: none"> <li>• The (Tecumseh) Storm Drainage Master Plan is nearing completion and focuses on the pumping station/storm infrastructure along Riverside Drive. This includes reviewing how the Town's stormwater infrastructure functions during minor and major rainfall events. The pumping stations will also be reviewed to determine if any modifications or improvements are required as part of the recommended storm sewer network improvements. A Public Information Centre was held in July of 2018 and identified a number of recommendations. Costs for improvements are in the order of \$85 million.</li> <li>• Ongoing implementation of Tecumseh CIP which encourages mixed-use development (commercial, institutional and residential) that is pedestrian oriented.</li> <li>• Secondary Plans: <ul style="list-style-type: none"> <li>○ Manning Road Secondary Plan Area-Specific Development Charge was adopted in October 2015. This by-law was denied by the OMB and efforts continued through 2018 with the two major landowners to re-establish a "go-forward" plan. There is potential for consensus to be realized in early 2019, which would lead to the presentation of a detailed implementation plan to Council.</li> <li>○ Tecumseh Hamlet Secondary Plan: the final transportation and stormwater management issues are recognized and now final revisions to the Plan are required.</li> </ul> </li> <li>• A draft of the New Official Plan will be tabled with Council in early 2019.</li> <li>• Since the completion of the 2008 Water and Wastewater Master Plan Update, further planning studies and discussion papers related to the preparation of a new Official Plan have been completed. An update to the current Master Plan is being planned in accordance with the Class Environmental Assessment (EA) process for water and wastewater projects. The purpose of the Master Plan Update is to re-examine water and wastewater infrastructure timing and costing requirements for the existing settlement areas in the Town of Tecumseh.</li> <li>• The OMB denied the Official Plan and Zoning By-law amendments made to facilitate the development of 21.6 hectares for an industrial subdivision/business park (Del Duca property in Oldcastle), however the decision allowed for consideration by all Parties of a revised</li> </ul>

Priority Areas of Focus	Strategic Action Items
	<p>plan for presentation to the OMB by the end of 2018. Given that discussions are on-going, a six month extension was granted by the LPAT (formerly the OMB) to consider an alternative development proposal.</p> <ul style="list-style-type: none"> <li>• A subdivision agreement for the 29 hectare Santarossa Business Park subdivision that is proposed at the northeast corner of 8<sup>th</sup> Concession Road and County Road 46 was negotiated. Approval by the County of Essex of the draft plan of subdivision is anticipated in the first quarter of 2019, at which time the associated subdivision agreement will proceed to Council for approval.</li> <li>• Due to the Manning Road Secondary Plan Proposed Area-Specific Development Charge OMB decision, discussions with key developers are nearing completion on how best to advance development and address the orderly introduction of services for this planning area, which is causing reconsideration of how to proceed in The Tecumseh Hamlet Secondary Plan Area.</li> <li>• Continued to prepare a Development Manual, still in draft stage, engineering component is complete.</li> <li>• Implemented a revised Tecumseh Transit Route intended to provide improved efficiency and reliability. A new kneeling-bus was introduced to the two bus fleet and a second kneeling bus was approved with delivery anticipated in early 2019.</li> <li>• Currently developing a public engagement program on municipal activities to encourage a sense of pride in Tecumseh, recognize our heritage and enhance Tecumseh's regional image.</li> <li>• Sent request to Canada Post as part of the "Postal Code Initiative" to have Tecumseh recognized along municipal borders and reduce the use of the addresses 'Oldcastle' and 'Windsor' for Tecumseh addresses.</li> <li>• Reached out to NAVCanada to have the property at the corner of Tecumseh and Manning Roads (northeast corner) surplus for sale. NAVCanada has indicated this property could be designated as surplus as early as the end of 2019 but discussions are ongoing to accelerate this designation.</li> </ul>

**Strategic Goal #2: Ensure that the Town of Tecumseh’s current and future growth is built upon the principles of sustainability and strategic decision making**

Priority Areas of Focus	Strategic Action Items
Tecumseh as a Fiscally Sustainable Town	<ul style="list-style-type: none"> <li>• Ensure that “growth pays for growth.”</li> <li>• Make efforts to align existing and new infrastructure plans with sound environmental policies, responsible fiscal considerations, and best practices (engineering, planning).</li> <li>• On an ongoing basis, review opportunities for budget efficiencies and accommodation of affected rate payers that can support long- term infrastructure maintenance and expansion.</li> <li>• In developing plans to fund new infrastructure, review the Town’s good experience with funding the full lifecycle cost of existing infrastructure:</li> <li>• Consider adding new categories of infrastructure not covered by the existing lifecycle approach;</li> <li>• Examine the need for reductions or increases in the level of contributions to individual reserves, based on past performance, changed projections and competing fiscal demands.</li> <li>• Have the vision to undertake major new infrastructure priority projects, such as the Sportsplex, the Tecumseh Road Community Improvement Plan or expansion of the trails and sidewalk networks:</li> <li>• By maximizing the financial contributions from government grants and transfer payments, and from community fundraising and private contributions; and,</li> <li>• By ensuring that more of the net cost of long-lived infrastructure is borne by both current and future users.</li> </ul>
Progress	<ul style="list-style-type: none"> <li>• Adjusted development charges annually using the Statistics Canada Quarterly Construction Price Index.</li> <li>• Completed update to the Asset Management Plan addressing core infrastructure assets not included in previous versions. General capital categories for Facilities and Fleet were added. The “Financing” chapter of the Asset Management Plan includes a reserve analysis with a 20-year forecast of reserve balances.</li> </ul>

Priority Areas of Focus	Strategic Action Items
	<p>The forecast will serve as an indicator of the long-term adequacy of individual reserve contributions.</p> <ul style="list-style-type: none"> <li>• Reviewed lifecycle contributions as part of the annual budget process.</li> <li>• Updated Purchasing Policy to maintain compliance with legislative trends, provide for increased use of the electronic environment to improve efficiencies and increase delegation of authority with respect to tender award approval limits.</li> <li>• Continued to secure sponsorship to provide free or low-cost programs and events to local residents.</li> <li>• Appointed an architect to develop detailed design of Multi-Use Sportsplex. The first concept design was presented to Council at a special meeting on January 22, 2019.</li> <li>• Managed funding programs that provide financial support for low- income residents to participate in recreational programs (P2P/Jumpstart).</li> <li>• Continued researching ways to lower the carbon footprint of the municipality and still be fiscally responsible.</li> <li>• Continued the practice of purchasing the most energy efficient equipment and products to keep the municipal operation sustainable.</li> <li>• Following the OMB decision on the Manning Road Secondary Plan proposed Area-Specific Development Charge, discussions with key developers are nearing completion on how to proceed with future development and the introduction of a servicing strategy that is efficient, effective and equitable for all developers in this planning area.</li> <li>• Continued implementation of Tecumseh Road Main Street CIP through approval of a number of incentive applications and ongoing design work for the Tecumseh Road Main Street CIP Streetscape Plan and Design.</li> <li>• Continued to work on the five-year update to Parks &amp; Recreation Master Plan with important focus on a comprehensive Trails Master Plan that could be used to apply for available grants that would encourage more walking and biking opportunities.</li> </ul>

Priority Areas of Focus	Strategic Action Items
Tecumseh's Role in Creating an Accessible Community	<ul style="list-style-type: none"> <li>• Promote equity of access to municipal resources from all parts of the Town (geographic, demographic, physical accessibility, etc.).</li> <li>• Explore the feasibility of increasing the Town's telecommunications connectivity in its neighbourhoods and facilities.</li> <li>• Wherever possible, implement opportunities for increased accessibility.</li> <li>• Identify and act proactively to comply with expanded legal obligations to meet the needs of those with accessibility needs.</li> </ul>
Progress	<ul style="list-style-type: none"> <li>• Paved an accessible walkway at the Tecumseh Historical Museum using funds from the Association of Municipalities of Ontario Main Street grant.</li> <li>• Replaced playground at Lacasse Park with fully accessible equipment following a fire in 2017.</li> <li>• Adopted Multi-Year Accessibility Plan to aid in meeting the goal of being an accessible community by 2025.</li> <li>• Where possible, 2019 Proposed Business Plan and Budget, including slide presentation to Council, were made accessible. The full budget document is now posted online with 95% accessibility.</li> <li>• Worked with local communication companies to continue to provide and improve services throughout the Town. Plans are in place to provide high-speed internet to the Maidstone Hamlet. Locates have been completed.</li> <li>• Placed new infrastructure and fibre optic cable between municipal sites to improve connectivity throughout the Town.</li> <li>• Wherever possible, implemented accessible features for public activities including sub-titles for movie nights in the park.</li> </ul>

### **Strategic Goal #3: Integrate the principles of health and wellness into all of the Town of Tecumseh's plans and priorities**

<b>Priority Areas of Focus</b>	<b>Strategic Action Items</b>
Strong and Stable Neighbourhoods	<ul style="list-style-type: none"> <li>• Encourage growth that supports complete and liveable neighbourhoods for existing and future residents.</li> <li>• Improve the opportunities for increased connectivity within and between neighbourhoods (e.g. trail networks), to support an improved pedestrian and cycling environment.</li> <li>• Make trails and trail connectivity a priority for the Town in its operating and capital budgets.</li> <li>• Support a safe pedestrian environment for all residents.</li> <li>• Promote health and wellness goals within the neighbourhood planning context.</li> </ul>
Progress	<ul style="list-style-type: none"> <li>• Conducted trail development plans through the preparation of a Trail Master Plan flowing from the Parks &amp; Recreation Master Plan.</li> <li>• Completed detail design and utility relocates for the CWATS trail extending on the east side of Walker Road from North Talbot Road to the Hwy 401 overpass with construction of the trail approved for 2019.</li> <li>• Launched design work for a CWATS trail along Riverside Drive from the Tecumseh/Windsor Municipal Boundary to Manning Road. A report to Council on public comments and a final recommendation will be completed in early 2019.</li> <li>• A public open house for bike lanes on Lesperance Road (Riverside Drive to McNorton Avenue) was held September 26, 2018. A report to Council and a final recommendation will be completed in early 2019.</li> <li>• Continued to coordinate annual Earth Day event at Lakewood Park, including expansion of the naturalization area.</li> <li>• Continued to liaise with municipal partners on the CWATS initiatives.</li> </ul>

Priority Areas of Focus	Strategic Action Items
	<ul style="list-style-type: none"> <li>• Undertook numerous tree planting initiatives to increase and improve the Town's urban forest.</li> <li>• All new accessibility sidewalk ramps being installed as part of AODA compliance.</li> <li>• Continued to share public safety information including "Fire Safe Friday" posts on social media. Liaison with local OPP detachment and Tecumseh Fire and Rescue Services was utilized for these messages and the Town continues to encourage residents to take an active role in community/neighbourhood safety.</li> </ul>
Comprehensive Community Services	<ul style="list-style-type: none"> <li>• Facilitate targeted programming that responds to the needs and demographics of users.</li> <li>• Promote or support a wide range of indoor and outdoor recreation and leisure opportunities in order to encourage community development.</li> <li>• Move ahead with the Tecumseh Multi-Use Sportsplex, with the following considerations: <ul style="list-style-type: none"> <li>○ Examine the need for reductions or increases in the level of contributions to individual reserves, based on past performance, changed projections and competing fiscal demands.</li> <li>○ Seek firm, prior assurances of capital grants from other governments, covering a majority of the capital cost of the facility;</li> <li>○ Encourage compatible participation / contributions from institutional, non-profit or commercial partners if they reduce the cost to Town taxpayers;</li> <li>○ Ensure prior and committed, substantial community fundraising, as a demonstration of community support and to reduce the projected capital and operating costs of the facility;</li> <li>○ Develop financing models that cushion the impact on tax rates, and that distribute the capital costs equitably over the useful life of the facility; and</li> <li>○ Design a facility that serves both a local and a regional</li> </ul> </li> </ul>



Priority Areas of Focus	Strategic Action Items
	<p>market, in a fashion that complements and does not compete with other regional recreational facilities.</p> <ul style="list-style-type: none"> <li>• Support and encourage improved Emergency Response Planning.</li> </ul>
Progress	<ul style="list-style-type: none"> <li>• Continued to facilitate programming that responds to the needs and demographics of users.</li> <li>• Completed the St. Mary's splash pad, the first of three new splash pad facilities planned for Town.</li> <li>• Updated Pickle Ball court with permanent court and fencing.</li> <li>• Annual recreational activities successfully developed including Summer Day Camp, swim and recreational skating programs, games nights, urban poling program, tennis and pickleball court program, and In Motion Community Walk.</li> <li>• Partnered with Sandwich South &amp; Area Historical Society to construct a Cultural and Resource Centre at Fire Hall #2 which opens this month.</li> <li>• Promoted and supported a wide range of indoor and outdoor recreation and leisure opportunities to encourage community development. This includes a variety of events: Canada Day, Outdoor Movie Nights, Labour Day Weekend Fireworks and Bonfire, Family Game Nights, and Christmas in Tecumseh.</li> <li>• Explored grant opportunities to continue senior recreational programming for residents 55+ to participate in a variety of fitness programming to increase physical activity.</li> <li>• Offered new programs through the Healthy Kids Community Challenge funding including Family Game Nights, Power Off &amp; Playground, and Kids in the Kitchen.</li> <li>• Continued to offer flexible ice rental opportunities such as half and one-third ice surface to suit the training needs of small groups.</li> <li>• Ongoing partnership with members of the Youth Advisory Committee to assist in community events.</li> <li>• Continued review of Emergency Plan with a full exercise held in November 2018.</li> <li>• Ongoing public education and awareness of community</li> </ul>

Priority Areas of Focus	Strategic Action Items
	<p>emergencies and Fire Safety (information pamphlets circulated). Annual Fire Prevention Week Open Houses in October had approximately 2,000 in attendance over 4 nights.</p> <ul style="list-style-type: none"> <li>• Increased electronic and social media posts on emergency preparedness and coordination with emergency services on sharing of details for ongoing information.</li> <li>• Increased resident awareness and compliance of the Town's dog tag program through engaging the services of Commissionaires to conduct a door-to-door canvass.</li> <li>• In partnership with the Police Services Board and OPP, hosted a workshop on 'Crime Prevention through Environmental Design' (CPTED) for business owners.</li> </ul>
Tecumseh's Diversity and Inclusivity	<ul style="list-style-type: none"> <li>• Encourage policies, programs and services that reflect the needs of existing residents and newcomers.</li> <li>• Celebrate the Town's diverse nature, landscape and neighbourhoods.</li> <li>• Encourage special events and community festivals to promote inclusivity.</li> </ul>
Progress	<ul style="list-style-type: none"> <li>• Successfully delivered various special events and community festivals including: Family in Motion Day; Sports Tournaments; March Break In Motion Week; Community Festivals: Taste of Tecumseh, Rotary Club Fish Fry, Walk-A-Thons, Cross County events, Triathlons; Summer Concert Series; Canada Day; Outdoor Movie Nights; Christmas in Tecumseh &amp; Santa Claus Parade; and, Breakfast with Santa.</li> <li>• Parks and Recreation Department coordinated the 2018 Tecumseh Corn Festival. This was the first year of a condensed festival and no beer tent on the weekend.</li> <li>• Hosted the annual Soirée Coffee House in partnership with L'Essor to recognize the partnership of the Town and L'Essor on the Centre des Arts—Tecumseh Arts Center.</li> <li>• Continued consultation with the Youth and Senior Advisory Committees on planning programs and events that meet the needs of the community.</li> </ul>

Priority Areas of Focus	Strategic Action Items
	<ul style="list-style-type: none"> <li>• Hosted annual Youth Career Fair to provide local secondary students with the opportunity to network with a diverse range of businesses to learn about educational requirements and potential employment.</li> <li>• Organized education workshops on a diverse range of topics geared towards older adults and seniors, as well as coordinated a Fall Prevention Clinic in partnership with the Windsor Essex County Health Unit.</li> <li>• In December 2018, Council voted to “opt-out” of hosting private retail cannabis stores.</li> <li>• Explored implementing a pilot urban chicken licensing program for residential areas. A report to Council is expected in 2019.</li> <li>• The Cultural &amp; Arts Advisory Committee is exploring new ideas for free activities for Culture Days in September.</li> <li>• The Youth Advisory Committee will continue to sponsor a DJ to enhance the Rock &amp; Swim at the Tecumseh Leisure Pool in June 2019 as well as monthly fall and winter Family Game Nights.</li> <li>• Coordinated the Snow &amp; Leaf Angel Program to assist residents in need of service.</li> <li>• Sponsored the Windsor Symphony Orchestra’s Concert Series.</li> </ul>

**Strategic Goal #4: Steward the Town’s “continuous improvement” approach to municipal service delivery to residents and businesses**

Priority Areas of Focus	Strategic Action Items
Improved Communication	<ul style="list-style-type: none"> <li>• Reaffirm Council and Staff’s commitment to a culture of transparency, openness and accessibility.</li> <li>• Identify and comply with the new Ontario-wide statutory obligations for greater transparency in the conduct of municipal business across Ontario.</li> </ul>

Priority Areas of Focus	Strategic Action Items
	<ul style="list-style-type: none"> <li>• Commit to constructive, two-way dialogue.</li> <li>• Promote transparency through improved communication with residents, ‘leveraging’ all existing and emerging communication tools, including the Tecumseh Town “App”, to achieve better communications across multiple platforms for a higher level of community engagement.</li> <li>• Update the website, to reduce stagnant or out-of-date material and encourage departments to conduct regular reviews of the information being made available to the public.</li> <li>• Share answers to standard questions during relevant periods via social media. For instance, questions about snow removal in anticipation of weather changes.</li> <li>• Engage other partners, like businesses, organizations and other stakeholders in a more active fashion to promote fuller communication and targeted dialogue for community input and engagement.</li> <li>• Explore the community outreach potential of additional resources like the waste management calendar, the water bill insert, or the Parks and Recreation Guide, to include relevant information throughout the year.</li> <li>• Attend community events like the Night Markets and Corn Festival with a “booth” to share information and encourage dialogue from members of the public.</li> </ul>
Progress	<ul style="list-style-type: none"> <li>• Negotiated a new four-year Collective Agreement with CUPE Local 702.13 achieving improved morale, fair wages, improved operations and management efficiencies.</li> <li>• Recruited members for a Council Compensation Review Committee to undertake a review of the current level of remuneration/ compensation paid to the Mayor and Members of Council, and benefits.</li> <li>• Re-appointed Robert Swayze as the Integrity Commissioner for Council, Committee and Board Members.</li> <li>• Undertook a comprehensive review of the Workplace Violence and Harassment Policy in consultation with the Joint Health and Safety</li> </ul>

Priority Areas of Focus	Strategic Action Items
	<p>Committee, Dunk &amp; Associates and legal counsel ensuring any allegations of harassment are appropriately investigated.</p> <ul style="list-style-type: none"> <li>• Prepared an Election sign by-law to clarify where and when election related signs may be erected, separate and apart from the sign by-law.</li> <li>• Updated the “Use of Corporate Resources” Policy during an election to help ensure a fair and equitable election process.</li> <li>• Recruited a new Director of Public Works and Environment Services, a new Manager Engineering Services and introduced a new Drainage Assistant position. Currently undergoing recruitment of a new CAO.</li> <li>• Organized the Orientation of the 2018 Council elect and introduced a new 1:1 meeting approach to the orientation process.</li> <li>• Continued to promote the TecumsehRec.ca recreation portal to enhance customer service. 2018 was the second year of use and was successful in providing users an additional way to register and pay for programs.</li> <li>• Amended Procedural By-law to provide increased clarity and put into policy more notification of meetings to the public through social media, compliance with Bill 68, improved transparency and public engagement.</li> <li>• Increased postings to website and social media channels for outreach as analytics show that residents are using these sites for communication.</li> <li>• Utilized the EWSWA Collection Calendar as an additional communications tool for Town events and awareness on topics such as rodent control, basement flooding and winter safety.</li> <li>• Began work to install signs in every park clearly stating the park name and address, allowing residents to identify exactly where they are in case they need to call 911 for assistance. Signs will also communicate key components of the Parks By-law, stating restricted activities in the parks, such as keeping dogs on a leash, and clearly stating the hours of operations. This improved communication will allow for improved enforcement of the by-laws when required.</li> </ul>

Priority Areas of Focus	Strategic Action Items
	<ul style="list-style-type: none"> <li>Updated the Town's Records Management System to streamline processes with electronic records and e-commerce in 2019. Began implementation of a new Records Management System.</li> <li>Partnered with <i>e-Solutions</i> to begin creation of new corporate website to be launched in May 2019.</li> <li>Completed Citizen Satisfaction Survey in late 2017 with results presented to Council in early 2018. Town received 98% satisfaction rating.</li> </ul>
Meaningful Opportunities for Participation	<ul style="list-style-type: none"> <li>Evaluate opportunities for enhanced participation in Town policy making, through such methods as individual and stakeholder consultations.</li> <li>Inspire the citizens of Tecumseh to look ahead to a common prosperous and sustainable future.</li> <li>Going beyond Council delegations: use new innovative methods and technological platforms to facilitate engagement.</li> </ul>
Progress	<ul style="list-style-type: none"> <li>Continued the use of the pre-budget consultation survey.</li> <li>CIP Streetscape Plan and Design process transitioned from broad public consultation to focused stakeholder/property owner meetings.</li> <li>Continued use of online surveys for projects of public interest as well as contests and outreach activities.</li> <li>Continued social media posts to encourage greater participation of residents on various matters of interest and advertised activities accordingly.</li> <li>Launched electronic Business Satisfaction Survey to hear from more than 900 businesses in Tecumseh.</li> </ul>
Efficient Town Operations	<ul style="list-style-type: none"> <li>Undertake an asset management review, to update the Town's pioneering work in asset management planning.</li> <li>Develop and launch a formal Continuous Improvement Program, aimed at ensuring efficiency, rewarding innovation and productivity improvement, and allocating Town resources in line with the</li> </ul>

Priority Areas of Focus	Strategic Action Items
	<p>Town's priorities.</p> <ul style="list-style-type: none"> <li>• Participate in inter-municipal benchmarking and sharing of innovation and best practices.</li> <li>• Ensure policy and budget choices support the maintenance of a competitive tax rate.</li> <li>• Facilitate appropriate service-utility levels and links with cost-of-services and program charges.</li> <li>• Encourage members of Council to share the regular requests for service that they receive from constituents, via existing tools.</li> <li>• Start a regular question-and-answer program, available electronically, to share concerns of all residents broadly.</li> </ul>
<b>Progress</b>	<ul style="list-style-type: none"> <li>• Received ninth consecutive GFOA Distinguished Budget Presentation Award.</li> <li>• Recruited and filled the Assistant Drainage Superintendent position.</li> <li>• Continued the successful DWQMS program for effectiveness in providing safe drinking water for consumers.</li> <li>• Met with Provincial representatives at AMO Annual meeting in August to discuss grant funding availability for Multi-Use Sportsplex. Additional meetings are underway with the new Ontario government.</li> <li>• Implemented an agenda management software to streamline efficiency for preparing committee and council agendas, approval process for reports, finalizing minutes.</li> <li>• Initiated accessibility standards (WCAG 2.0 A) staff training of department champions and created accessible templates for council reports, agendas and minutes to ensure the Town is meeting the needs of all residents.</li> <li>• Introduced Marriage Licenses and Civil Wedding services.</li> <li>• Implemented confidential shredding for increased security and disposal of corporate information.</li> <li>• Updated records retention by-law and implemented the Ontario Municipal Records Management System for a consistent approach</li> </ul>

Priority Areas of Focus	Strategic Action Items
	<p>to classifying records and provide efficiencies with the creation, maintenance and disposal of records.</p> <ul style="list-style-type: none"> <li>• Improved delivery of services in the Corporate Services &amp; Clerks Department with the creation of two new positions: Manager Committee &amp; Community Services and Deputy Clerk &amp; Manager Legislative Services.</li> <li>• Worked in partnership with the University of Windsor and St. Clair College to provide internship/co-op opportunities for students to work with the Parks &amp; Recreation, CAO and Corporate Services Departments.</li> <li>• Increased electronic communications with residents via Twitter, Facebook and the website to gather public comment outside of operation hours and encourage two-way dialogue.</li> </ul>
Tecumseh's Customer Service	<ul style="list-style-type: none"> <li>• Improve service delivery models to ensure satisfactory response times and service outcomes.</li> <li>• Commit to annual customer satisfaction survey and feedback mechanisms, including greater detail to support analysis and responsiveness.</li> <li>• Review detailed comments within the recent Community Satisfaction Survey, to identify suggestions leading to improvements in decision- making, service- delivery and cost-containment.</li> </ul>
Progress	<ul style="list-style-type: none"> <li>• Parks Department continues to respond to residents' requests for routine tree service on Town owned trees in a timely and efficient manner. T</li> <li>• New position at Arena created to have an individual on site part-time on weekends and after regular business hours to answer questions and assist users.</li> <li>• Continued to respond to inquiries on social media channels within 24 hours during the week and 48 hours on the weekend/over holidays.</li> <li>• Citizen Satisfaction Survey held in late 2017 with results shared with Council in early 2018. The Town received a 98% satisfaction rating.</li> </ul>



**Strategic Goal #5: Demonstrate the Town of Tecumseh's leadership role in the community by promoting good governance and community engagement, by bringing together organizations serving the Town and the region to pursue common goals**

Priority Areas of Focus	Strategic Action Items
Tecumseh's Culture of Collaboration	<ul style="list-style-type: none"> <li>• Further enhance good Council/Staff relations, based on continuing support for Council/Manager form of municipal government.</li> <li>• On a regular basis, share publicly the outcomes of community and stakeholder engagement activities, in part to demonstrate that the Town is listening.</li> </ul>
Progress	<ul style="list-style-type: none"> <li>• Continued promotion of Town events and activities through social media, the website and news releases.</li> <li>• Maintained monthly Council/Administration meetings.</li> <li>• Continued to advertise in both the Shoreline Week and Essex Free Press to raise awareness of Council meetings and Town events.</li> <li>• Worked in partnership with the Youth Advisory Committee and Senior Advisory Committee to provide programs and events to the community such as Earth Day Celebration and Senior Fitness Around Town. Also encouraged the Youth Advisory Committee to use their Facebook page as a way to reach out to the public</li> </ul>
Voter Engagement in Tecumseh	<ul style="list-style-type: none"> <li>• Promote community engagement.</li> <li>• Continue to promote voter participation through online and telephone voting methods</li> </ul>
Progress	<ul style="list-style-type: none"> <li>• Ward Boundary and Council Structure Review consultations were completed and approval given to a new 5 Ward System with a Councillor Representative for each Ward. The new Ward was implemented for the 2018 municipal election.</li> <li>• Implemented communication strategies to engage residents through electronic platforms as well as utilize the website more effectively. Will continue to look at ways to share information and encourage community engagement.</li> <li>• A communications calendar for committee appointments and award nominations was used to share full details on the programs on</li> </ul>

Priority Areas of Focus	Strategic Action Items
	<p>social media in an effort to encourage greater participation.</p> <ul style="list-style-type: none"> <li>• A communications calendar for election posts was used to share details on the election, how to vote and why it was important to have a say in the election on social media in an effort to encourage greater participation.</li> </ul>
Public Coherence and Compliance	<ul style="list-style-type: none"> <li>• Improve integration of key corporate decision-points and documents (Strategic Plan, Budget, Official Plan, project and departmental operating plans).</li> <li>• Improve opportunities for briefings, tracking of initiatives, use of dashboards and performance reporting.</li> </ul>
Progress	<ul style="list-style-type: none"> <li>• Systems review for enhanced issues tracking and communications completed. Implementation of changes, modifications and process improvements underway.</li> <li>• Full details on Town response to issues shared with front line staff to assist in sharing a common message.</li> <li>• Continued to review and implement key messages across all Town communications to ensure sharing of same message.</li> </ul>
Maintain “Team Tecumseh	<ul style="list-style-type: none"> <li>• Ensure Tecumseh is, and is perceived as, an employer of choice.</li> <li>• Take measures to attract, train, retain and ensure proper succession planning, in anticipation of high turn-over due to aging of work force.</li> </ul>
Progress	<ul style="list-style-type: none"> <li>• Ongoing efforts to maintain Town’s stature and competitiveness.</li> <li>• Continued to implement Wellness Committee programs resulting in the awarding of the eighth Gord Smith Healthy Workplace and Bike Friendly Workplace Awards.</li> <li>• Continued support of professional development for Senior Management Team members interested in career advancement.</li> <li>• Hosted interns from the University of Windsor, Political Science Masters’ Program.</li> </ul>

Priority Areas of Focus	Strategic Action Items
	<ul style="list-style-type: none"> <li>• Hosted co-operative education students from St. Clair College and special needs students offering meaningful workplace experience.</li> <li>• Held Change Management Seminar for members of staff and Council from Tecumseh and regional municipalities. The event was attended by approximately 50 staff from Kingsville, Essex, Essex County and Tecumseh.</li> </ul>
Strategic Relationship Buildings	<ul style="list-style-type: none"> <li>• Actively cultivate relationships with key stakeholders in order to maintain and build partnerships.</li> </ul>
Progress	<ul style="list-style-type: none"> <li>• Partnered with St. Clair College Men's Baseball Team and St. Clair College Summer Collegiate Green Giants Men's Baseball Team.</li> <li>• Continued to work with local school boards on joint use agreement for facilities/sports fields including L'Essor Hockey Academy at the Tecumseh Arena.</li> <li>• Continued to work with local service clubs on community programs and assistance opportunities.</li> <li>• Networked with community stakeholders and municipal sector colleagues on matters of municipal interest.</li> <li>• Continued OPP Discussion Group to address community policing matters.</li> <li>• Continued partnership with WEEDC for attraction opportunities and economic development.</li> <li>• Continued to work with community partners such as Life After Fifty and Windsor Essex County Health Unit to provide elderly residents with recreational, social and well-being activities.</li> </ul>
Effective Intergovernmental Relations	<ul style="list-style-type: none"> <li>• Build opportunities for policy and funding partnerships with the Governments of Ontario and Canada.</li> <li>• Actively participate in Municipal Associations and municipal policy development.</li> <li>• Continue to be a good neighbour at the County and regional level.</li> </ul>

Priority Areas of Focus	Strategic Action Items
Progress	<ul style="list-style-type: none"> <li>Continued to hold regular meetings with Ontario Ministry of Municipal Affairs and federal partners for input on policy matters.</li> <li>CAO continues to participate on AMCTO, OMAA and AMO project teams, board and/or committees. Also is co-chair of ONWARD initiative.</li> <li>Continued interaction and liaison with County and Regional colleagues on sector matters of mutual interest, including participation on Committees: Essex Region Source Protection Committee policy implementation; CWATS Implementation; County-Wide Study on Farm Lot Sizes; InterMunicipal Planning Consultation Committee; updates to Regional Intensity Duration Frequency rainfall curves to adapt to climate change; creation of a regional Stormwater Guide Manual.</li> <li>Director Corporate Services &amp; Clerk actively participates in Essex County Clerks and HR group meetings on matters of related interest, sharing of best practices and service delivery.</li> <li>Director Financial Services actively participates in Essex County Treasurers' quarterly meetings on matters of related interest and best practices.</li> </ul>

## Comments

It is recommended that the progress outlined in this report be received.

As the priorities were not intended to communicate everything that the Town planned to achieve by the end of 2018, they were not viewed as static. As the strategic environment changed, the priorities were adjusted accordingly. As such, some priorities may be carried over into the 2019 planning session.

Finally, it continues to be critical that the leaders of the municipality, both elected and administrative, understand the priorities when considering the policies and future direction of the municipality. The elements of a strategic document identify the Town's priorities, which in turn provide the framework for the allocation of funds, development of work plans, reports and dedication of resources.

## Consultations

Corporate Services & Clerk  
Information & Communication Services  
Financial Services  
Fire & Emergency Services  
Parks & Recreation Services  
Planning & Building Services  
Public Works & Environmental Services

## Financial Implications

No financial implications at this time. However, budget resources will be required as specific action items are addressed.

## Link to Strategic Priorities

Applicable	2017-18 Strategic Priorities
<input checked="" type="checkbox"/>	Make the Town of Tecumseh an even better place to live, work and invest through a shared vision for our residents and newcomers.
<input checked="" type="checkbox"/>	Ensure that the Town of Tecumseh's current and future growth is built upon the principles of sustainability and strategic decision-making.
<input checked="" type="checkbox"/>	Integrate the principles of health and wellness into all of the Town of Tecumseh's plans and priorities.
<input checked="" type="checkbox"/>	Steward the Town's "continuous improvement" approach to municipal service delivery to residents and businesses.
<input checked="" type="checkbox"/>	Demonstrate the Town's leadership role in the community by promoting good governance and community engagement, by bringing together organizations serving the Town and the region to pursue common goals.

## Communications

Not applicable ☒

Website ☐

Social Media ☐

News Release ☐

Local Newspaper ☐

This report has been reviewed by Senior Administration as indicated below and recommended for submission by the Chief Administrative Officer.

Prepared by:

Lesley Racicot  
Manager Strategic Initiatives

Recommended by:

Tony Haddad, MSA, CMO, CPFA  
Chief Administrative Officer

<b>Attachment Number</b>	<b>Attachment Name</b>
None	None



## The Corporation of the Town of Tecumseh

Corporate Services & Clerk

**To:** Mayor and Members of Council

**From:** Laura Moy, Director Corporate Services & Clerk

**Date to Council:** February 12, 2019

**Report Number:** CS-2019-02

**Subject:** Fluoridation of Water Supply

---

### Recommendations

It is recommended:

**That** Report CS-2019-02 Fluoridation of Water Supply **be received;**

**And that** a further report **be provided** following receipt of legal advice on the interpretation and application of the *Fluoridation Act*, as well as the history of fluoridation of drinking water in the Town of Tecumseh and the City of Windsor's position on next steps in the process.

### Background

In April 2018, the Windsor Essex County Health Unit released the report: Oral Health Report 2018 Update (Oral Health Report). The purpose of the Oral Health Report "is to provide an overview of the oral health status in Windsor-Essex County. This report is a refresh of the 2016 Oral Health Report, in which the population health data and information relevant to the new Ontario Public Health Standards have both been updated. Specifically, this report is intended to:

1. Address a request for information on oral health status in correlation with a 5-year moratorium on community water fluoridation in the City of Windsor.
2. Provide an oral health profile of the Windsor-Essex County population using available assessment and surveillance data for the period of 2011 to 2017.
3. Provide recommendations based on local data for the improvement of oral health within Windsor-Essex.”<sup>1</sup>

The Oral Health Report was submitted to the Council for the City of Windsor (City), along with a report from City Administration on the use of the funds through oral and health nutrition initiatives, on May 7, 2018. At that meeting City Council directed its Administration by way of resolutions to provide a further report at their December 17, 2018 meeting, addressing matters such as liability, mitigation, financial, as well as any outstanding contractual agreements that might be affected. Direction was also given to send a letter to the Province of Ontario, after the provincial election, to confirm its position on water fluoridation and inquire if it would be mandated province-wide.

City Council at their meeting held on Monday, December 17, 2018, were given a report from their Administration, as directed, along with the Oral Health Report and other appendices. At the meeting, the following resolution (Decision Number: CR676/2018) was adopted by City Council:

That the report from Administration responding to the Windsor Essex County Health Unit (WECHU) Oral Health Report Update 2018, BE RECEIVED for information; and further,

That WECHU Recommendation #1 BE SUPPORTED (That administration BE DIRECTED to prepare a by-law to re-introduce community water fluoridation as a key prevention strategy for dental caries), and further, that Administration BE DIRECTED to report back on next steps in that process.

Carried.

Subsequently, Tecumseh Council and Administration received numerous communications expressing both support and opposition to fluoride being added to water, as well as requests to address Council on the matter.

The City’s drinking water system currently provides water, on a bulk basis, to the Towns of Tecumseh and LaSalle. A small number of residents in the Town of Lakeshore are also served via the Town of Tecumseh.

---

<sup>1</sup> Oral Health Report 2018 Update; Windsor Essex County Health Unit; April 2018. Page 13.



The Town of Tecumseh (Tecumseh), the Windsor Utilities Commission (WUC) and the City entered into a Water Servicing Agreement on November 10, 2004, and a subsequent Amending Agreement on January 16, 2006. The Agreement provides Tecumseh with a secure source of drinking water for a period of fifty (50) years.

Prior to 2013, the water provided by WUC was fluoridated. The matter of water fluoridation was previously raised circa 2011-2012. WUC wrote Tecumseh in September 2011 requesting its position as it pertains to the addition of fluoride to drinking water.

After receiving reports from the Director Public Works & Environmental Services [PWES Report No. 06/12 and PWES Report 16/12] on the matter of Fluoridation of Drinking Water, Tecumseh Council, at their regular meeting held Tuesday, March 13, 2012, passed the following resolution (RCM-84/12):

THAT The Town of Tecumseh advise the Windsor Utilities Commission (WUC) to cease fluoridation of drinking water supplied to the Town of Tecumseh, as recommended by the WUC at their February 29, 2012 meeting.

Subsequently, the City passed By-law Number 20-2013 to discontinue the fluoridation system in Windsor, which took effect February 4, 2013.

The Town of LaSalle (LaSalle) supported a resolution by the Region Peel asking Health Canada to regulate the fluorosilicates hexafluorosilicic acid and sodium silicofluoride used as a treatment for dental cavities in drinking water, as drugs under the Food and Drugs Act.

## Comments

### Legislation

The legal framework for drinking water fluoridation in Ontario is provided by the following legislation and associated regulations:

- Municipal Act, 2001
- Fluoridation Act 1990 (Act)
- Safe Drinking Water Act 2002 (SDWA)

The Municipal Act, 2001 imposes a duty of care on those who oversee drinking water systems requiring them to act in good faith.

The decision to begin to fluoridate, or to stop, has always been a municipal decision in Ontario. The current Act provides for the establishment or discontinuance of fluoridation in a drinking water system by a municipality. In the case of the City, Tecumseh and LaSalle, the individual Councils do not have the authority under the Act to unilaterally authorize fluoridation.

In accordance with the Act, the body operating the waterworks system shall establish, maintain and operate a fluoridation system in connection therewith, where there are **more than two municipalities**, only after the Councils of a **majority of such municipalities have passed a by-law** requiring the fluoridation of the water supply of their respective municipalities.

The Town may (but is not required to) submit a question to this effect to its electors. A vote by the municipality's electors would then be binding on Council but subject to the other requirements of the Act.

The current Water Supply Agreement between Tecumseh, City, and WUC suggests that WUC is operating a supply system which supplies both Windsor and the Town. WUC has also acknowledged that both Tecumseh and LaSalle have systems which are integrated into its capital works. If WUC is operating a waterworks system for all three municipalities, two of the three Councils would need to pass the necessary by-laws in order to re-introduce fluoridation.

Both the Town and the City are awaiting independent legal opinions and advice on the Act.

The SDWA establishes an enhanced duty of care for those who have oversight of municipal drinking water systems. Under this standard, each person must exercise the level of care, diligence and skill in respect of a municipal drinking water system that a reasonably prudent person would be expected to exercise in a similar situation. The standard of care also extends to the owner of the municipal drinking water system, and to those people who, on behalf of the municipality, oversee the accredited operating authority or who exercise decision-making authority over the system. These persons may rely in good faith on a report of an engineer, lawyer, accountant or other person whose professional qualifications give credibility to the report.

From an operating perspective, in Ontario the act of fluoridating the water supply is ostensibly covered by the SDWA and its companion regulations. Section 11 is of particular note and requires that:

- All water provided by the drinking water system meets prescribed drinking water quality standards;
- The drinking water system is operated in accordance with the Act and regulations and is kept in a good state of repair;
- All sampling testing and monitoring requirements are complied with; and
- All reporting requirements are complied with.

The SDWA provides for a drinking water system to operate under a Drinking Water Works Permit (DWWP) which specifies the treatment equipment that is used by that system. In the event that WUC is to re-introduce fluoridation, an application for a DWWP amendment would have to be made to the MOE in order to add the fluoridation equipment. This application would have to be approved by the MOE.

Fluoridation is a process that does not contribute to the municipality's objective of providing safe drinking water. The presence of fluoride does not make drinking water any more or any less safe than that provided in any of the non-fluoridated service areas. Fluoridation is implemented as a public health measure which is ancillary to providing safe drinking water. In addition, there are costs and operational issues associated with fluoridation. The process requires the provision of equipment, time spent on maintenance and operation of that equipment and the purchase and handling of fluoride salt. Operationally, fluoride salt is a

hazardous material which requires the operators to take special precautions including using disposable coveralls, gloves and respirators.<sup>2</sup>

## Discussion

The Town has not yet received formal communication from the City regarding its Council's decision to "re-introduce community fluoridation", nor a request for a decision by the Town.

City Administration has, however, advised Town Administration that they have requested a legal opinion from external legal counsel relative to the proper process required to move forward with its Council's previous decision on the matter. They expect the opinion will be received in time to report to City Council at their meeting of March 4, 2019, after which they would then be in a position to communicate Windsor's position on the proper next steps.

In light of the numerous communications received by both Town Council and Administration regarding fluoridation of drinking water, and a number of requests to address Tecumseh Council on the matter, a Public Meeting was held on Tuesday, January 29, 2019. The sole purpose of the meeting was to hear delegations on the matter of water fluoridation and to receive written submissions.

At the meeting, 27 delegations (both resident and non-resident of Tecumseh) were scheduled to appear before Council: 10 in support and 17 opposed to fluoridation. The Agenda for the meeting listed 115 Communications (from both residents and non-residents) with 52 being in support of fluoridation and 63 being opposed. The delegations and communications were received from both medical professionals and non-professionals.

Administration was asked by Council to provide:

1. The history of water fluoridation for the whole of the Town, pre and post amalgamation.
2. Information regarding the cost of water fluoridation and any impact on water rates.
3. Information regarding the promotion of Oral and Health Nutrition Education using the 'savings' resulting from the cessation of fluoride in the water system as was directed by City Council in 2013 when fluoridation was discontinued.
4. Advice on whether the Town of Lakeshore must provide a decision on water fluoridation in light of receiving water supply from the Town.
5. A report on water fluoridation for the February 12, 2019 Regular Meeting of Council.

---

<sup>2</sup> PWES Report No. 06/12 January 11, 2012, Page 3

This is an information report to respond to Council's request for a report on water fluoridation. Administration are not experts on issues related to oral health and the impact of fluoride on oral and overall health, and defer to the authors of the Oral Health Report at the Windsor Essex County Health Unit on questions related to the Oral Health Report and public comments on the matter.

**1. The history of water fluoridation for the whole of the Town, pre and post amalgamation.**

Administration is making best efforts to search the former Township of Sandwich South, Town of Tecumseh, Village of St. Clair Beach, and Tecumseh Public Utilities Commission records to the extent that they still exist to provide a history. Information is also being requested of other agencies to assist in this regard.

**2. Information regarding the cost of water fluoridation and any impact on water rates.**

Costs and rates are captured within the provisions of the Water Servicing Agreement between the Town, City and WUC. These provisions are currently being clarified through Mediation.

**3. Information regarding the promotion of Oral and Health Nutrition Education using the 'savings' resulting from the cessation of fluoride in the water system as was directed by City Council in 2013 when fluoride was discontinued.**

A copy of the report to City Council at their December 17, 2018 meeting has been provided to Council, which includes information on the promotion of Oral and Health and Nutrition Education, as well as a Summary Report of the Activities of the Oral Health Education Advisory Committee for Windsor.

**4. Advice on whether the Town of Lakeshore must provide a decision on water fluoridation in light of receiving water supply from the Town.**

As previously indicated, independent legal advice is being sought by both the City and Town regarding the application and interpretation of the Fluoridation Act to help to determine the next steps in the process.

## **Summary**

There is a high degree of controversy regarding fluoridation of drinking water. The practice has been subject to strong support and vehement opposition. Administration does not have the expertise to ascertain whether the fluoridation of drinking water is beneficial or harmful. Therefore, Administration has not given a position on this public health debate because it is not qualified to do so. This matter is best addressed by health care professionals.

A further report will be provided to Council following receipt of its legal opinion on the interpretation of the Act and how it may apply in the circumstance of the City, Town, Town of LaSalle and Town of Lakeshore, in addition to the City's position on next steps following their March 4, 2019 meeting.

## Consultations

Public Works & Environmental Services  
City of Windsor  
Town of LaSalle

## Financial Implications

This is an information report and therefore there are no financial implications at this time.

## Link to Strategic Priorities

Applicable	2017-18 Strategic Priorities
<input checked="" type="checkbox"/>	Make the Town of Tecumseh an even better place to live, work and invest through a shared vision for our residents and newcomers.
<input checked="" type="checkbox"/>	Ensure that the Town of Tecumseh's current and future growth is built upon the principles of sustainability and strategic decision-making.
<input checked="" type="checkbox"/>	Integrate the principles of health and wellness into all of the Town of Tecumseh's plans and priorities.
<input checked="" type="checkbox"/>	Steward the Town's "continuous improvement" approach to municipal service delivery to residents and businesses.
<input checked="" type="checkbox"/>	Demonstrate the Town's leadership role in the community by promoting good governance and community engagement, by bringing together organizations serving the Town and the region to pursue common goals.

## Communications

Not applicable ☒

Website ☐ Social Media ☐ News Release ☐ Local Newspaper ☐

This report has been reviewed by Senior Administration as indicated below and recommended for submission by the Chief Administrative Officer.

Prepared by:

Laura Moy, Dipl. M.M., CMMIII HR Professional  
Director Corporate Services & Clerk

Reviewed by:

Phil Bartnik, P.Eng.  
Director Public Works & Environmental Services

Recommended by:

Tony Haddad, MSA, CMO, CPFA  
Chief Administrative Officer

<b>Attachment Number</b>	<b>Attachment Name</b>
None	None



## The Corporation of the Town of Tecumseh

Corporate Services & Clerk

**To:** Mayor and Members of Council

**From:** Laura Moy, Director Corporate Services & Clerk

**Date to Council:** February 12, 2019

**Report Number:** CS-2019-04

**Subject:** 2018 Open and Closed Meetings

---

### Recommendations

It is recommended:

**That** Corporate Services & Clerk Report No. CS-2019-04 with respect to Open and Closed Council Meetings held in 2018 be **received** for information.

### Background

The purpose of this report is to provide information on the number and length of open and closed meetings Council holds annually and to ensure the Town's actions are transparent to the public.

This report is written in accordance with Section 270 of the Municipal Act, 2001 (Act) and the Transparency and Accountability Policy No. 61, to ensure accountability to the public for Council's actions and to ensure that the manner in which the Town conducts its actions is transparent to the public.

With respect to the transparency of Council meetings, Section 239 of the Act states that all meetings shall be open to the public. A meeting, or part of a meeting, may be closed to the public if the subject matter being considered is:

- a) the security of the property of the municipality or local board;
- b) personal matters about an identifiable individual, including municipal or local board employees;

- c) a proposed or pending acquisition or disposition of land by the municipality or local board;
- d) labour relations or employee negotiations;
- e) litigation or potential litigation, including matters before administrative tribunals, affecting the municipality or local board;
- f) advice that is subject to solicitor-client privilege, including communications necessary for that purpose;
- g) a matter in respect of which a council, board, committee or other body may hold a closed meeting under another Act.

Section 239 of the Act also allows for closed meetings when the subject matter being considered is a request under the Municipal Freedom of Information and Protection of Privacy Act; or when the meeting is being held for the purpose of educating or training the Members and no discussion is held on matters that in any way materially advances the business or decision-making of the Council.

In accordance with Section 239.2 of the Act, the Town has appointed Local Authority Services (LAS) as its Closed Meeting Investigator for a further one-year term ending December 31, 2019.

The Town's Council Proceedings By-law No. 2017-62 (Procedural By-law) also confirms that closed meeting obligations are met. The Procedural By-law was updated in 2017 to be consistent with and in compliance with the Act, which was recently amended under Bill 68 - Modernizing Ontario's Municipal Legislation Act, 2017, and for housekeeping matters.

The Act now also permits meetings to be closed to the public when the subject matter being considered is:

- a) information explicitly supplied in confidence to the municipality or local board by Canada, a province or territory or a Crown agency of any of them;
- b) a trade secret or scientific, technical, commercial, financial or labour relations information, supplied in confidence to the municipality or local board, which, if disclosed, could reasonably be expected to prejudice significantly the competitive position or interfere significantly with the contractual or other negotiations of a person, group of persons, or organization;
- c) a trade secret or scientific, technical, commercial or financial information that belongs to the municipality or local board and has monetary value or potential monetary value; or
- d) a position, plan, procedure, criteria or instruction to be applied to any negotiations carried on or to be carried on by or on behalf of the municipality or local board.



## Comments

The following information has been compiled on open and closed Council meetings for 2018. The meetings are presented in three open categories:

1. Regular Council Meetings (RCM)
2. Public Council Meetings (PCM), and
3. Special Council Meetings (SCM)

The meetings held in closed sessions (In-Camera Council Meetings) are also shown.

### Table A - 2018 Council Meetings

Table A below provides a summary of the number of meetings, number of agenda items, total duration of meetings and average duration of meetings for each type of meeting held in 2018.

The agenda items include: delegations, communication motions, reports, one item representing all by-laws, and motions passed under unfinished business, new business and motions.

Meeting Type	# of Meetings	# of Agenda Items	Total Duration	Average Duration
RCM	18	274	30 hrs. 21 min.	1 hr. 41 min.
PCM	11	76	8 hrs. 45 min.	0 hr. 47 min.
SCM	7	9	14 hrs. 11 min.	2 hrs. 1 min.
In-Camera	13	36	11 hrs. 17 min.	0 hr. 52 min.

### Table B - 2017 Council Meetings

Table B gives a summary of the 2017 meetings, including the number of meetings, number of agenda items, total duration of meetings and average duration of meetings for each type of meeting.

Meeting Type	# of Meetings	# of Agenda Items	Total Duration	Average Duration
RCM	20	335	34 hrs. 16 min.	1 hr. 42 min.
PCM	14	53	8 hrs. 9 min.	34 min.
SCM	9	21	16 hrs. 44 min.	1 hr. 51 min.
In-Camera	7	23	5 hrs. 31 min.	0 hr. 47 min.

### Table C - 2016 Council Meetings

Table C gives a summary of the 2016 meetings, including the number of meetings, number of agenda items, total duration of meetings and average duration of meetings for each type of meeting.

Meeting Type	# of Meetings	# of Agenda Items	Total Duration	Average Duration
RCM	20	331	29 hrs. 33 min.	1 hrs. 28 min.
PCM	13	53	7 hrs. 41 min.	0 hrs. 35 min.
SCM	7	19	10 hrs. 40 min.	1 hrs. 31 min.
In-Camera	10	23	6 hrs. 40 min.	0 hrs. 40 min.

### Table D - 2015 Council Meetings

Table D gives a summary of the 2015 meetings, including the number of meetings, number of agenda items, total duration of meetings and average duration of meetings for each type of meeting.

Meeting Type	# of Meetings	# of Agenda Items	Total Duration	Average Duration
RCM	20	329	34 hrs. 28 min.	1 hrs. 43 min.
PCM	14	68	09 hrs. 18 min.	0 hrs. 39 min.
SCM	13	35	33 hrs. 51 min.	2 hrs. 36 min.
In-Camera	10	21	07 hrs. 25 min.	0 hrs. 44 min.

### Table E - 2015-2018 Term of Council Meeting Averages

Table E shows the average number of meetings, number of agenda items, total duration of meetings and average duration of meetings held during the 2015-2018 term of Council.

Meeting Type	# of Meetings	# of Agenda Items	Total Duration	Average Duration
RCM	20	317	32 hrs. 9 min.	1 hr. 39 min.
PCM	13	62.5	8 hrs. 28 min.	0 hr. 39 min.
SCM	9	21	18 hrs. 51 min.	2 hrs. 0 min.
In-Camera	10	26	7 hrs. 43min.	0 hr. 45 min.

### Analysis

The number of 2018 RCMs and the number of agenda items are slightly lower than the average numbers for the term of Council. The average duration of 2018 RCMs is consistent with the average over the last term of Council.

Council normally meets on the second and fourth Tuesday of each month. This schedule is amended annually by eliminating two (2) meetings during the summer, as well as meetings

which conflict with annual holidays or other municipal business, events and activities. In 2018, there were 18 RCMs compared to 20 in other years, as the first meeting in January immediately following the holidays was not held and there was one meeting in October 2018 that was not held due to the Municipal Elections.

The number of PCMs in 2018 was lower than the number of meetings in 2017 and the average for the term of Council. PCMs are generally held to receive public comment on drainage and planning matters, as required under the Drainage Act and Planning Act.

SCMs typically include annual recurring meetings for the purposes of:

- strategic planning and priority;
- a capital projects road tour;
- awards and committee appointments; and
- draft budget reviews for the following year.

There were fewer SCMs held in 2018 than 2017 and the average for the term of Council.

In 2018, the most common reasons for meetings to be called In-Camera (closed to the public) were to consider matters regarding litigation and solicitor-client privilege, the disposition of land and labour relations. The number of closed meetings will fluctuate each year depending on current issues, various circumstances and events that have taken place. There were 13 meetings held in closed session in 2018, slightly greater than the average for the current term of Council.

## **Consultations**

None

## **Financial Implications**

There are no financial implications relating to this report.

## Link to Strategic Priorities

Applicable	2017-18 Strategic Priorities
<input type="checkbox"/>	Make the Town of Tecumseh an even better place to live, work and invest through a shared vision for our residents and newcomers.
<input type="checkbox"/>	Ensure that the Town of Tecumseh's current and future growth is built upon the principles of sustainability and strategic decision-making.
<input type="checkbox"/>	Integrate the principles of health and wellness into all of the Town of Tecumseh's plans and priorities.
<input checked="" type="checkbox"/>	Steward the Town's "continuous improvement" approach to municipal service delivery to residents and businesses.
<input checked="" type="checkbox"/>	Demonstrate the Town's leadership role in the community by promoting good governance and community engagement, by bringing together organizations serving the Town and the region to pursue common goals.

## Communications

Not applicable ☒

Website ☐

Social Media ☐

News Release ☐

Local Newspaper ☐

This report has been reviewed by Senior Administration as indicated below and recommended for submission by the Chief Administrative Officer.

Reviewed by:

Laura Moy, Dipl. M.M., CMMIII HR Professional  
Director Corporate Services & Clerk

Recommended by:

Tony Haddad, MSA, CMO, CPFA  
Chief Administrative Officer

<b>Attachment Number</b>	<b>Attachment Name</b>
None	None



## The Corporation of the Town of Tecumseh

Corporate Services & Clerk

**To:** Mayor and Members of Council

**From:** Laura Moy, Director Corporate Services & Clerk

**Date to Council:** February 12, 2019

**Report Number:** CS-2019-05

**Subject:** Pregnancy and Parental Leave for Members of Council

---

### Recommendations

It is recommended:

**That** Report CS-2019-05 regarding Pregnancy and Parental Leave for Members of Council **be received;**

**And that** the Pregnancy and Parental Leave Policy for Members of Council **be adopted.**

### Background

Bill 68 - Modernizing Ontario's Municipal Legislation Act, 2016 was introduced in the provincial legislature on November 16, 2016, and received Royal Assent on May 30, 2017. This Bill amended Section 270(1) of the Municipal Act, 2001. Section 270 requires municipalities to adopt and maintain certain policies. The amendment requires all municipalities to adopt and maintain a policy related to pregnancy leaves and parental leaves for Members of Council, before March 1, 2019.

Section 259 (1.1) of the Municipal Act, 2001 was also amended to protect the office of a Member of Council from being declared vacant during an absence related to the Member's pregnancy, birth or the adoption of a Member's child for up to 20 consecutive weeks, and that Section 259 (1) (c) does not apply. Section 259 (1) (c) states that when a Member is absent from the meetings of Council for three successive months, without being authorized to do so by a resolution of council, the office of that member would become vacant.

## Comments

In accordance with the Municipal Act, 2001, a Policy regarding Pregnancy and Parental Leave for Members of Council has been prepared.

The prepared Policy recognizes the right of Members of Council to Pregnancy Leave and Parental Leave in a manner that respects a Member's statutory role as an elected representative and his / her right to take leave for the Member's pregnancy, the birth of the Member's child, or the adoption of a child by the Member.

The Policy, appended as **Attachment 1**, also provides that a Member who is on a Pregnancy Leave or Parental Leave:

- Will continue to receive communications from the Town, as if they were not on a Leave,
- Reserve the Member's right to participate as an active Member of Council at any time during his/her Leave,
- Will continue to receive all remuneration, reimbursements and benefits afforded to all Members of Council, and
- Continue to have access to the Town Hall, information technology equipment and staff support.

A Member intending to take a Pregnancy Leave or Parental Leave must notify the Director Corporate Services & Clerk, or designate, of his/her expected start and end date of such Leave. This information is also to be communicated to all Members of Council.

The Mayor may make temporary appointments to any committee or board that are constituted by the Town and where the Member on a Leave is the only Member of Council on that committee or board.

## Consultations

Other Municipalities

## Financial Implications

Members of Council on a Parental Leave or Pregnancy Leave would continue to receive their remuneration and benefits. The cost of enrolment in such benefits may increase if the Member were to move from single to family benefits as a result of their child's birth.

## Link to Strategic Priorities

Applicable	2017-18 Strategic Priorities
<input type="checkbox"/>	Make the Town of Tecumseh an even better place to live, work and invest through a shared vision for our residents and newcomers.
<input type="checkbox"/>	Ensure that the Town of Tecumseh's current and future growth is built upon the principles of sustainability and strategic decision-making.
<input checked="" type="checkbox"/>	Integrate the principles of health and wellness into all of the Town of Tecumseh's plans and priorities.
<input type="checkbox"/>	Steward the Town's "continuous improvement" approach to municipal service delivery to residents and businesses.
<input type="checkbox"/>	Demonstrate the Town's leadership role in the community by promoting good governance and community engagement, by bringing together organizations serving the Town and the region to pursue common goals.

## Communications

Not applicable ☒

Website ☐      Social Media ☐      News Release ☐      Local Newspaper ☐



This report has been reviewed by Senior Administration as indicated below and recommended for submission by the Chief Administrative Officer.

Prepared by:

Laura Moy, Dipl. M.M., CMMIII HR Professional  
Director Corporate Services & Clerk

Recommended by:

Tony Haddad, MSA, CMO, CPFA  
Chief Administrative Officer

<b>Attachment Number</b>	<b>Attachment Name</b>
1	Pregnancy and Parental Leave for Members of Council Policy 95



## The Corporation of the Town of Tecumseh

# Policy Manual

**Policy Number:** 100

**Effective Date:** February 12, 2014

**Supersedes:** N/A

**Approval:** RCM XX/19 - February 12, 2019

**Subject:** **Pregnancy and Parental Leave for Members of Council**

### Policy Statement

- 1.0 The Corporation of The Town of Tecumseh (Corporation) recognizes a Member of Council's right to take leave for a Member's pregnancy, the birth of the Member's child, or the adoption of a child by the Member.

### Definitions

- 2.0 **Pregnancy and Parental Leave** - an absence of 20 consecutive weeks or less as a result of a Member's pregnancy, the birth of a Member's child or the adoption of a child by the Member in accordance with Section 259(1.1) of the *Municipal Act, 2001* (Leave).
- 3.0 **Member** - a Member of the Council of The Corporation of the Town of Tecumseh.

### Purpose

- 4.0 This Policy provides guidance on how the Town will address a Member's Pregnancy and Parental Leave in a manner that respects his/her statutory role as an elected representative.

## Application

- 5.0 In accordance with Section 270 of the *Municipal Act, 2001*, this Policy applies to all Members of Council.

## Procedures

- 6.0 Where a Member of Council will be absent due to a Pregnancy and Parental Leave, the Member shall provide written notice to the Director Corporate Services & Clerk, or designate, indicating his/her expected start and end dates.
- 7.0 The Mayor may make temporary appointments to any committees and boards etc., that are constituted by the Corporation and where the Member is the only Member of Council on that committee or board.
- 8.0 A Member's Pregnancy and Parental Leave does not require Council approval and his or her office cannot be declared vacant as a result of the Leave. Council will be advised of the Pregnancy and Parental Leave and the expected start and end dates.
- 9.0 A Member will continue to receive communications from the Corporation as if the Member were not on Leave.
- 10.0 A Member reserves the right to participate as an active Member at any time during his or her Leave.
- 11.0 A Member shall continue to receive all remuneration, reimbursements and benefits afforded to all Members of Council.
- 12.0 Members on Pregnancy and Parental Leave shall continue to have access to all equipment supplied to a regular Member, including but not limited to, access to the Town Hall, information technology equipment and elected officials staff support.
- 13.0 Notwithstanding, at any point in time during a Pregnancy and Parental Leave, the Member may provide written notice to the Director Corporate Services & Clerk, or designate, of their intent to lift any of the temporary appointments to exercise their statutory role or any changes to their return date.

## Responsibilities

- 14.0 Members and staff are responsible for adhering to the parameters of this Policy.
- 15.0 The Director Corporate Services & Clerk is responsible for communicating this Policy to all Members of Council and for ensuring compliance to this Policy.



## The Corporation of the Town of Tecumseh

### Financial Services

**To:** Mayor and Members of Council

**From:** Tom Kitsos, Deputy Treasurer & Tax Collector

**Date to Council:** February 12, 2019

**Report Number:** FS-2019-01

**Subject:** Taxes Receivable December 2018

---

### Recommendations

It is recommended:

1. **That** Financial Services Report No. 2019-01, Taxes Receivable December 2018 **be received.**

### Background

An annual report is provided to Council regarding the status of year-end tax arrears.

Tax billings and due dates:

- Interim tax notices are mailed in January for all ratepayers with due dates in February and April.
- Final Residential notices are mailed in May with due dates in June and September.
- Final Commercial/Industrial notices are mailed when capping calculations are completed with due dates in September and November.

Procedures used for collecting tax arrears are as follows:

- Penalty and interest is charged on the first of the month for all accounts in arrears.
- Arrears notices are sent out as reminders of past due taxes five times during the year (March, May, July, October, and year-end).
- In the third year of arrears, letters are mailed in January asking ratepayers to make payment arrangements to avoid tax registration. Payment arrangements include full payment of third year arrears or the establishment of a payment plan.

- A final letter is sent in March informing the ratepayer that we will proceed with tax registration.
- After all collection attempts on outstanding arrears have been exhausted, a tax arrears certificate is registered under the Municipal Act, Section 373 (1).
- The ratepayer has one full year after registration to redeem the property; taxes, penalties and interest for all years including current year must be paid in full.
- Should a ratepayer fail to redeem their property by the cancellation date, the property becomes eligible for tax sale.

## Comments

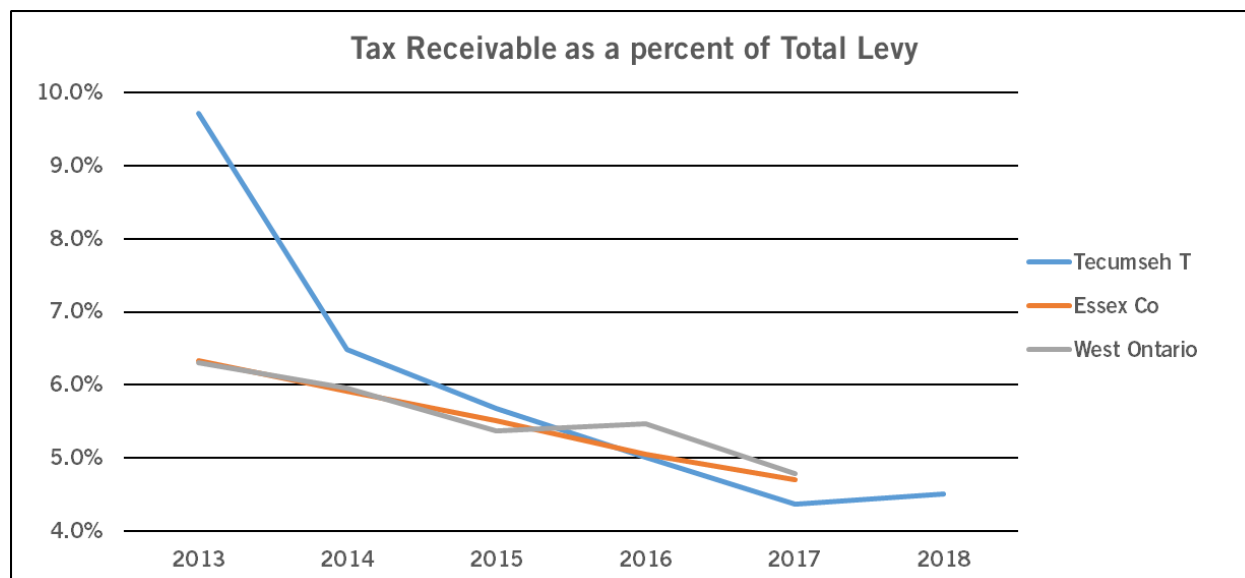
Total uncollected property tax as a percentage of total taxes levied (Tax receivable as a percentage of tax levy) is one of several measures used to evaluate the economic health of a municipality. An increasing percentage over time may indicate an overall decline in the municipality's economic health.

Tax receivable as a percentage of tax levy increased slightly to 4.5% at December 2018 (from 4.4% in 2017). This percentage is below the historical normal range and has come down significantly over the course of the past few years after a period of relatively high percentages during 2009-2013. The Town has historically been in the 6% - 8% range, whereas the historical average for West Ontario has been between 4% - 6%. Credit rating agencies consider a measure greater than 8% a negative factor<sup>1</sup>.

The following chart displays year-end tax receivable as a percentage of tax levy with comparative data for Essex County Lower Tier municipalities and West Ontario municipalities. Estimated 2018 data is only currently available for Tecumseh.

---

<sup>1</sup> BMA Municipal Study 2017



Source: Ministry of Municipal Affairs and Housing – Financial Information Report (FIR) data as submitted by municipalities

The following table illustrates tax receivable outstanding at year-end and number of properties in arrears by major property class groups.

<b>Residential properties</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>
No. of properties in arrears	517	538	492	466	489
Total \$ arrears	\$1,424,000	\$1,433,000	\$1,589,000	\$1,644,000	\$1,591,000
Arrears per property	\$2,754	\$2,664	\$3,230	\$3,528	\$3,254
<b>Commercial properties</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>
No. of properties in arrears	55	45	62	47	60
Total \$ arrears	\$388,000	\$295,000	\$260,000	\$316,000	\$641,000
Arrears per property	\$7,055	\$6,556	\$4,194	\$6,723	\$10,683
<b>Industrial properties</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>
No. of properties in arrears	28	30	31	24	24
Total \$ arrears	\$391,000	\$316,000	\$411,000	\$564,000	\$639,000
Arrears per property	\$13,964	\$10,533	\$13,258	\$23,500	\$26,625
<b>Total properties</b>	<b>600</b>	<b>613</b>	<b>585</b>	<b>537</b>	<b>573</b>
<b>Total tax arrears</b>	<b>\$2,203,000</b>	<b>\$2,044,000</b>	<b>\$2,260,000</b>	<b>\$2,524,000</b>	<b>\$2,871,000</b>
<b>Total tax levy</b>	<b>\$48,844,000</b>	<b>\$46,731,000</b>	<b>\$45,099,000</b>	<b>\$44,418,000</b>	<b>\$44,256,000</b>
<b>Tax registrations</b>	<b>6</b>	<b>2</b>	<b>4</b>	<b>5</b>	<b>4</b>
<b>Tax sales</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

Overall, Residential tax arrears account for 65% of total tax arrears in 2018 compared to 55% in 2014, which is primarily a result of the large reductions to Commercial and Industrial arrears. Residential properties accounted for 67% of the total tax levy in 2018 (66% in 2014).

The total number of properties in arrears has been increasing slightly over the course of the past five years despite a reduction in total dollar amount owing. This is predominantly due to the large number of Residential properties with arrears of less than \$2,000, which totals 322 properties in 2018 (351 in 2017).

The average amount of arrears per property varies significantly by property class, ranging from \$2,754 for residential properties to \$13,964 for industrial properties. Average arrears per property in 2018 are relatively low when compared to averages over the course of the past five years.

The dollar amount of arrears outstanding tends to fluctuate irrespective of the number of properties in arrears due to periodic redemptions of large balances. Average arrears by property, particularly with respect to Commercial and Industrial properties, can be skewed significantly year-to-year due to a few large individual balances.

The number of tax registrations (tax arrears certificates) compared to the number of properties in arrears is relatively low, as many property owners have stayed the registration process by committing to payment plans designed to eliminate tax arrears. There are approximately 40 active payment plans with the Town. Default of a payment plan would result in tax registration.

Selling properties for arrears is a procedure available to the municipality to collect amounts owing. The Town has not had to resort to this measure for a number of years. The last recorded sale of property for tax arrears was prior to amalgamation.

There is one property at risk of tax sale for the first half of 2019. A tax sale date has been set for March 26, 2019. Advertisements will commence mid-February unless the property is redeemed prior to that time.

## **Consultations**

None

## **Financial Implications**

All costs incurred by the Town with respect to property registration and tax sale are recoverable except in the event a property is not sold at tax sale.

## Link to Strategic Priorities

Applicable	2017-18 Strategic Priorities
<input type="checkbox"/>	Make the Town of Tecumseh an even better place to live, work and invest through a shared vision for our residents and newcomers.
<input checked="" type="checkbox"/>	Ensure that the Town of Tecumseh's current and future growth is built upon the principles of sustainability and strategic decision-making.
<input type="checkbox"/>	Integrate the principles of health and wellness into all of the Town of Tecumseh's plans and priorities.
<input type="checkbox"/>	Steward the Town's "continuous improvement" approach to municipal service delivery to residents and businesses.
<input type="checkbox"/>	Demonstrate the Town's leadership role in the community by promoting good governance and community engagement, by bringing together organizations serving the Town and the region to pursue common goals.

## Communications

Not applicable ☒

Website ☐

Social Media ☐

News Release ☐

Local Newspaper ☐



This report has been reviewed by Senior Administration as indicated below and recommended for submission by the Chief Administrative Officer.

Prepared by:

Tom Kitsos, CPA, CMA, BComm  
Deputy Treasurer & Tax Collector

Reviewed by:

Luc Gagnon, CPA, CA, BMath  
Director Financial Services & Treasurer

Recommended by:

Tony Haddad, MSA, CMO, CPFA  
Chief Administrative Officer

<b>Attachment Number</b>	<b>Attachment Name</b>
None	None



## The Corporation of the Town of Tecumseh

### Information & Communication Services

**To:** Mayor and Members of Council

**From:** Shaun Fuerth, Director Information & Communication Services

**Date to Council:** February 12, 2019

**Report Number:** ICS-2019-01

**Subject:** ICS Five (5) Year Capital Works Plan 2019-2023

---

### Recommendations

It is recommended:

1. **That** the 2019 expenditure of \$110,000 from the Information & Communication Services (ICS) Lifecycle reserve **be authorized** as follows:

#### 2019 Information & Communication Services Lifecycle

Budget Item	Previously Approved (\$)	Requested for 2019 (\$)	Total Costs (\$)
PC Replacements	--	30,000	30,000
Network Upgrades	--	15,000	15,000
Video Surveillance	--	6,000	6,000
A/V Systems	15,000	--	15,000
Miscellaneous Software	--	3,000	3,000
Street Photography	--	10,000	10,000
Virtual Server Upgrades	--	5,000	5,000
Corporate Website	20,000	--	20,000
Multifunction Copiers	60,000	15,000	75,000
Arena Sound System (revised)	25,000	--	25,000
GPS Data Collector Units	--	6,000	6,000
Records Management	--	10,000	10,000
Issue Tracking Software	30,000	--	30,000
FMW Web Capital Plan Module	--	10,000	10,000
	150,000	110,000	260,000

2. Appendix A – Town of Tecumseh Information & Communication Services Capital Forecast 2019-2023 **be adopted.**

## Background

Council has approved the 2019 operating and lifecycle budgets. Council approval is required for purchase of the items noted below in accordance with the Town's purchasing policy.

## Comments

### Information & Communication Services Capital Forecast 2019-2023

#### Section 1 – Regular Ongoing Program Expenditures

##### PC Replacements

- The Town has approximately 100 laptops, tablets and desktop computers. As this equipment becomes outdated it is replaced every 4-5 years. Replacement requires an annual allocation of \$20,000 - \$30,000 dependent on the number of units required in any one year. Our five year forecast anticipates approximately \$30,000 in 2019 and \$15,000 for the next 4 years.

##### Network Upgrades

- The Town's private computer network consists of fibre optic links, wi-fi hot spots, a communication hub, wireless equipment and network switches with a value of approximately \$100,000.
- Annual maintenance to the system includes replacing network switches, cabling, edge and wireless equipment which can total up to \$10,000 on an annual basis. In addition, special projects will occur from time to time to enhance and/or grow the system. Special projects proposed for the next five years include:
  - **2019-2023** Core and remote network switching hardware replacement, improved connections to remote locations, and upgrades to wireless/cabling.

##### Video Surveillance

- A majority of our facilities have some form of video surveillance with a useful life of approximately 7-10 years. Total estimated value of the equipment is \$65,000. We continue to investigate replacement solutions as equipment ages and as new technology emerges.
- Incidents captured on these devices have been used as evidence in several court cases with successful convictions. There have also been other incidents reviewed through these systems.
- We estimate an annual allowance of \$6,000 is required based on the existing equipment which was purchased over a number of years. We are proposing an allocation of \$6,000 for 2019-2023.

### A/V Systems

- A/V Systems include the various audio video systems (projectors, sound systems etc.) including Council chambers and meeting rooms at the Town Hall, both Fire Halls, Lacasse Public Works Building, Parks Building and the Arena. The useful life of audio video systems (projectors, sound systems etc.) is 8-10 years. We have included a general allowance of \$5,000 per year for the next 5 years which is enough to upgrade one meeting room each year.

### Miscellaneous Software

- Software licences are required for new services, applications, and/or staff. We have forecasted an annual general allowance of \$3,000.

### Street Photography

- Street photos are obtained on a subscription service with iLookabout, a London based company. These photos are updated every two years and cover all areas of the Town. An update of these photos last took place in the spring of 2017 and new photography will take place in 2019 to coincide with new aerial imagery provided by the County of Essex.
- A \$10,000 cost is projected for 2019, 2021 and 2023.

### Virtual Server Upgrades

- As the municipality grows so does the need for increased data storage that is both online and archived off site. Improvements will continue in 2019-2023 within the scope of business continuity and disaster recovery plans. A major upgrade is planned for 2020 at an estimated cost of \$60,000.

### Corporate Website

- As technology, features, accessibility requirements and branding changes, the Town's website requires maintenance approximately every 5 years. The site is currently undergoing a refresh in partnership with eSolutions Inc. and will launch in June 2019. The estimated cost for each upgrade is \$25,000 every 5 years.

## Section 2 – Periodic Program Expenditures

### 2019

#### Records Management \$10,000

- The current electronic records management system is older software that has not been replaced since amalgamation in 1999. New software was purchased in 2018 and training and implementation will take place in 2019.

#### Issue Management (carryforward) \$30,000

- Implementation of a corporate-wide issue management system will be deployed in 2019.

#### Multifunction Copiers (carryforward) \$75,000

- Multifunction copiers have an estimated useful life of 5-6 years. The 6 units that were scheduled for replacement in 2018 along with 3 additional units will all be replaced in

2019. These units were last replaced in 2012/13 the following locations: Town Hall (4), Parks and Recreation (1), Tecumseh Fire and Rescue Hall #1 & #2 (2), Environmental Services (1) and OPP (1).

GPS Data Collector Unit \$ 6,000

- GPS (Global Positioning System) Data Units are required for data collection in the field. The estimated useful life of this equipment is 5 years and one unit is due for replacement in 2019.

FMW Web Capital Plan Module \$10,000

- In 2009, the Town started using FMW Web, a comprehensive, integrated set of software modules that have been configured to meet the Town's budget and reporting processes. Currently, the Operating Plan, Salary Plan and Reporting modules are used in the development of the annual Operating Budget.
- An allocation for the set-up and implementation of the Capital Plan and Fund Manager module is requested in order to enhance and streamline the Capital and Reserves Budget development process.

## 2020-2023

Financial Software \$200,000

- The Town's financial software package includes support for municipal taxation, accounts payable, accounts receivable, payroll, human resources, general receipting and building permits. This system was last replaced in 2010 and will be reviewed in 2020.

Data Backup Solution \$15,000

- The Town's data backup solution has an estimated useful life of 5 years. The replacement for this software solution will be reviewed in 2020.

Fire Department Software \$20,000

- The replacement for this software solution will be reviewed in 2020.

Email Server \$15,000

- The replacement for the corporate email server will be reviewed in 2022.

## Consultations

Financial Services

## Financial Implications

Net funds required are typically funded from the ICS Lifecycle Reserve as outlined in the attached Appendix. Annual funding levels for the ICS Lifecycle Capital Works are adequate in addressing current and future needs.

A five (5) year capital forecast has been developed and is presented in Appendix A.

## Link to Strategic Priorities

Applicable	2017-18 Strategic Priorities
<input checked="" type="checkbox"/>	Make the Town of Tecumseh an even better place to live, work and invest through a shared vision for our residents and newcomers.
<input type="checkbox"/>	Ensure that the Town of Tecumseh's current and future growth is built upon the principles of sustainability and strategic decision-making.
<input type="checkbox"/>	Integrate the principles of health and wellness into all of the Town of Tecumseh's plans and priorities.
<input checked="" type="checkbox"/>	Steward the Town's "continuous improvement" approach to municipal service delivery to residents and businesses.
<input checked="" type="checkbox"/>	Demonstrate the Town's leadership role in the community by promoting good governance and community engagement, by bringing together organizations serving the Town and the region to pursue common goals.

## Communications

Not applicable ☒

Website ☐ Social Media ☐ News Release ☐ Local Newspaper ☐

This report has been reviewed by Senior Administration as indicated below and recommended for submission by the Chief Administrative Officer.

Prepared by:

Shaun Fuerth, BCS  
Director Information & Communication Services

Reviewed by:

Luc Gagnon, CPA, CA, BMath  
Director Financial Services & Treasurer

Recommended by:

Tony Haddad, MSA, CMO, CPFA  
Chief Administrative Officer

<b>Attachment Number</b>	<b>Attachment Name</b>
1	Information & Communication Services Capital Forecast 2019-2023

## APPENDIX A

### Information & Communications Services Capital Forecast 2019-2023

	2019 (\$)	2020 (\$)	2021 (\$)	2022 (\$)	2023 (\$)
Opening Balance	471,000	339,000	138,000	222,000	225,000
Budget allocation	128,000	128,000	128,000	128,000	128,000
Funds Available	599,000	467,000	266,000	350,000	353,000
Carryforward from 2018:					
A/V System	15,000				
Corporate Web Site	20,000				
Multifunction Copiers	60,000				
Arena Sound System	25,000				
Issue Tracking Software	30,000				
Total Committed	150,000	-	-	-	-
Balance Uncommitted	449,000	467,000	266,000	350,000	353,000
Proposed Expenditures	110,000	329,000	44,000	125,000	49,000
Balance available	339,000	138,000	222,000	225,000	304,000

Proposed Expenditures	2019 (\$)	2020 (\$)	2021 (\$)	2022 (\$)	2023 (\$)
PC Replacements	30,000	15,000	15,000	15,000	15,000
Network Upgrades	15,000	5,000	,000	10,000	10,000
Video Surveillance	6,000	6,000	6,000	6,000	6,000
A/V Systems		5,000	5,000	5,000	5,000
Miscellaneous Software	3,000	3,000	3,000	3,000	3,000
Microsoft Office				30,000	
Street Photography	10,000		10,000		10,000
Virtual Server Upgrades	5,000	60,000		10,000	
Corporate Website				25,000	
Multifunction Copiers	15,000				
Arena Sound System					
Records Management	10,000				
Fire Department Software		20,000			
GPS Data Collector Units	6,000			6,000	
Financial Software		200,000			
Data Backup Solution		15,000			
FMW Web Capital Plan Module	10,000				
Email Server				15,000	
	110,000	329,000	44,000	125,000	49,000





## The Corporation of the Town of Tecumseh

Planning & Building Services

**To:** Mayor and Members of Council

**From:** Chad Jeffery, Manager Planning Services

**Date to Council:** February 12, 2019

**Report Number:** PBS-2019-01

**Subject:** Annual Status Report on the Tecumseh Transit Service for 2018  
OUR FILE: T03 TTS

---

### Recommendations

It is recommended:

**That** Planning and Building Services Department Report No. 2019-01 **be received.**

### Background

The Tecumseh Transit Service (TTS) has now completed its ninth year of operation after being introduced to the northerly urban area of the Town in December of 2009. The TTS operates on a recently revised circuitous route with a one-hour headway covering 30 kilometres and 43 stops. This revised route was introduced in May of 2018 after an extensive public consultation process that resulted in some bus stop locations being removed and others added in an attempt to minimize delays in service. The Town manages the service but contracts out the operation and maintenance of the two Town-owned buses to First Student Canada (FSC).

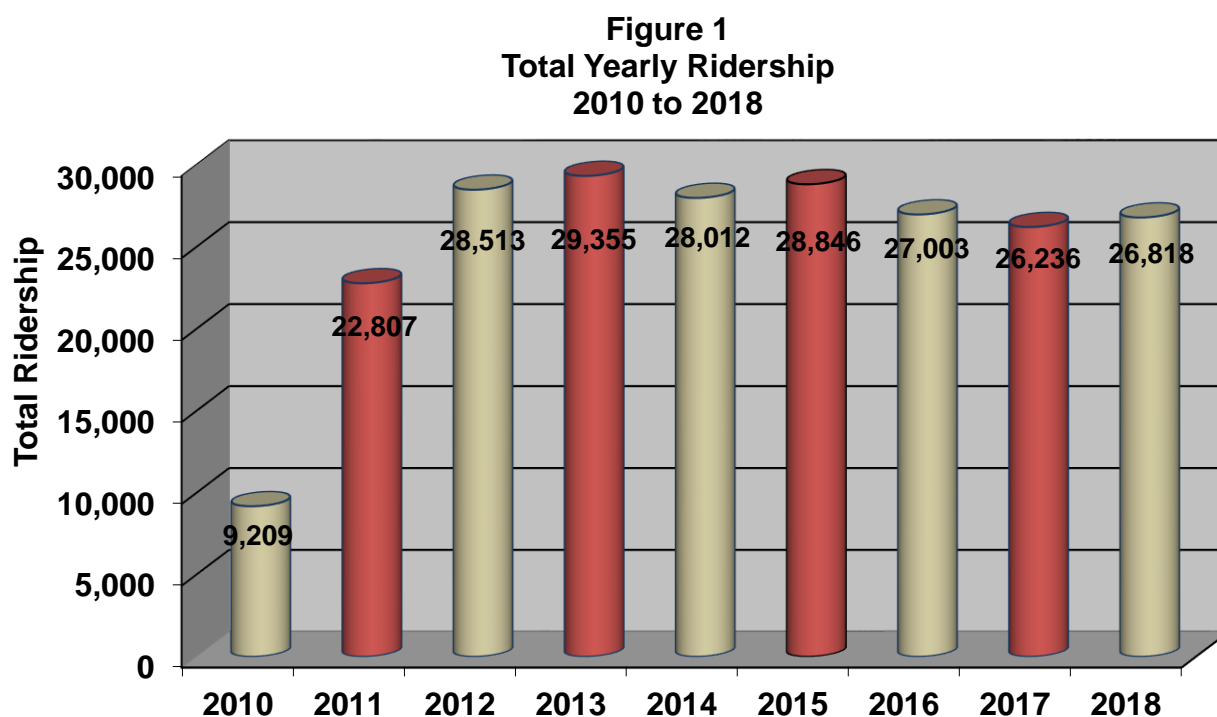
The purpose of this Report is to provide Council with a statistical overview of the TTS for the 2018 calendar year and to provide an outlook of initiatives anticipated for 2019.

## Comments

### Ridership Use Analysis

The current route is conveniently accessible to 65 percent of the population of Tecumseh with accessibility being based on a 400-metre walking distance to a bus stop. Within the northerly settlement area of the Town, 72 percent of the population have reasonable access to the service. When only the urban area north of County Road 22 is considered, the route is accessible to nearly 90 percent of the population. Over the past nine years, the TTS has served over 223,000 riders and, in the past seven years, has maintained an annual ridership of between 26,000 and 29,000.

Total ridership in 2018 was 26,818 (see Figure 1 below). This figure represents an increase of 582 passengers from the 2017 total ridership level of 26,236. This increase equates to approximately two additional riders using the TTS per day throughout the year and cannot be attributed to an increase in any specific bus stop. Based on the statistics over the past nine years, it appears as though the yearly ridership levels have stagnated, hovering in the 26,000-29,000 ridership range.



The average daily ridership by month for 2018 was relatively consistent when compared against the 2017 monthly averages (see Figure 2 below). In 2018, the TTS reached a monthly average daily ridership peak of 97 passengers in June. This peak was in part due to the “Seniors Ride for Free” initiative that took place that month. The second highest average daily ridership months were May and November with 95 passengers. The 2018 overall average annual daily ridership was 88 passengers, which was slightly higher than the 2017 average of 86 passengers per day.

**Figure 2**  
**Average Daily Ridership by Month**  
**2017 and 2018**

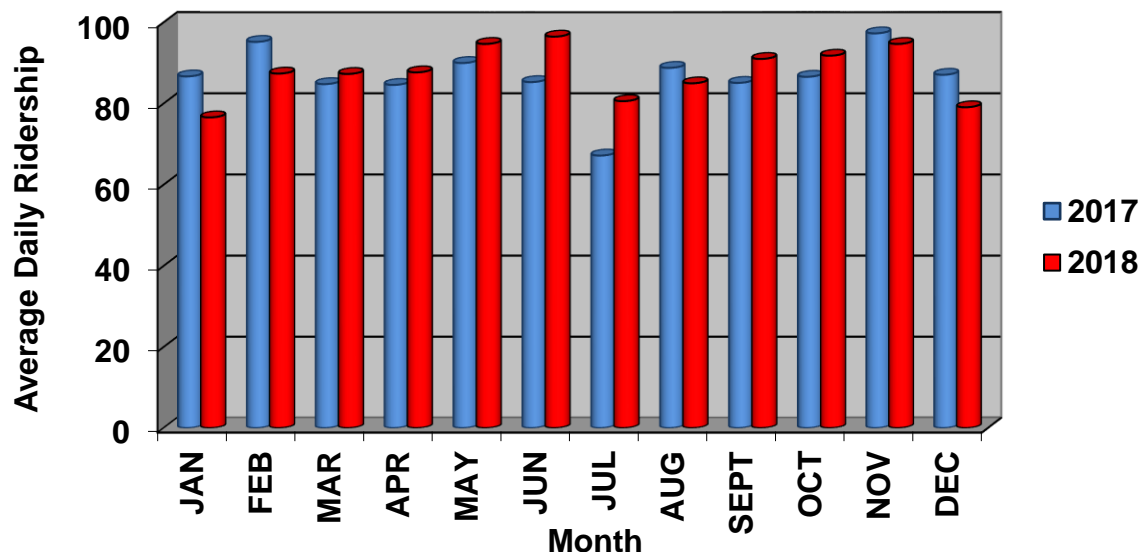


Figure 3 below provides a comparison of total monthly ridership for 2017 and 2018. The 2018 total monthly ridership high of 2,511 occurred in June. It should be noted that the August totals for Figures 2 and 3 include the ridership during the Corn Festival Shuttle Service (although the ridership for the shuttle service was considerably lower over the past two years than it had been in previous years).

**Figure 3**  
**Total Monthly Ridership**  
**2017 and 2018**

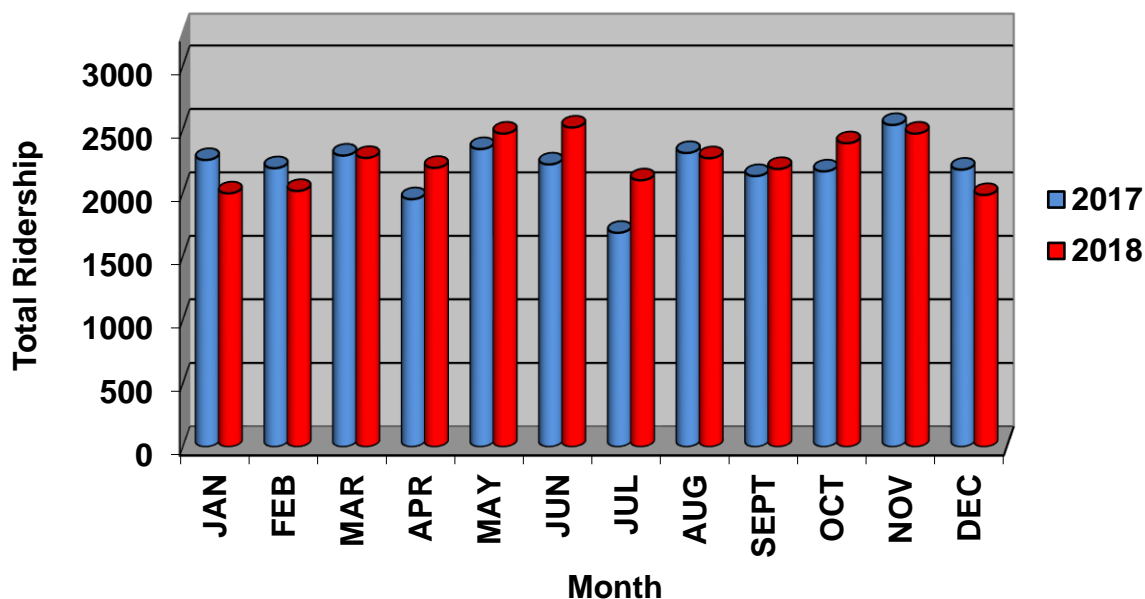
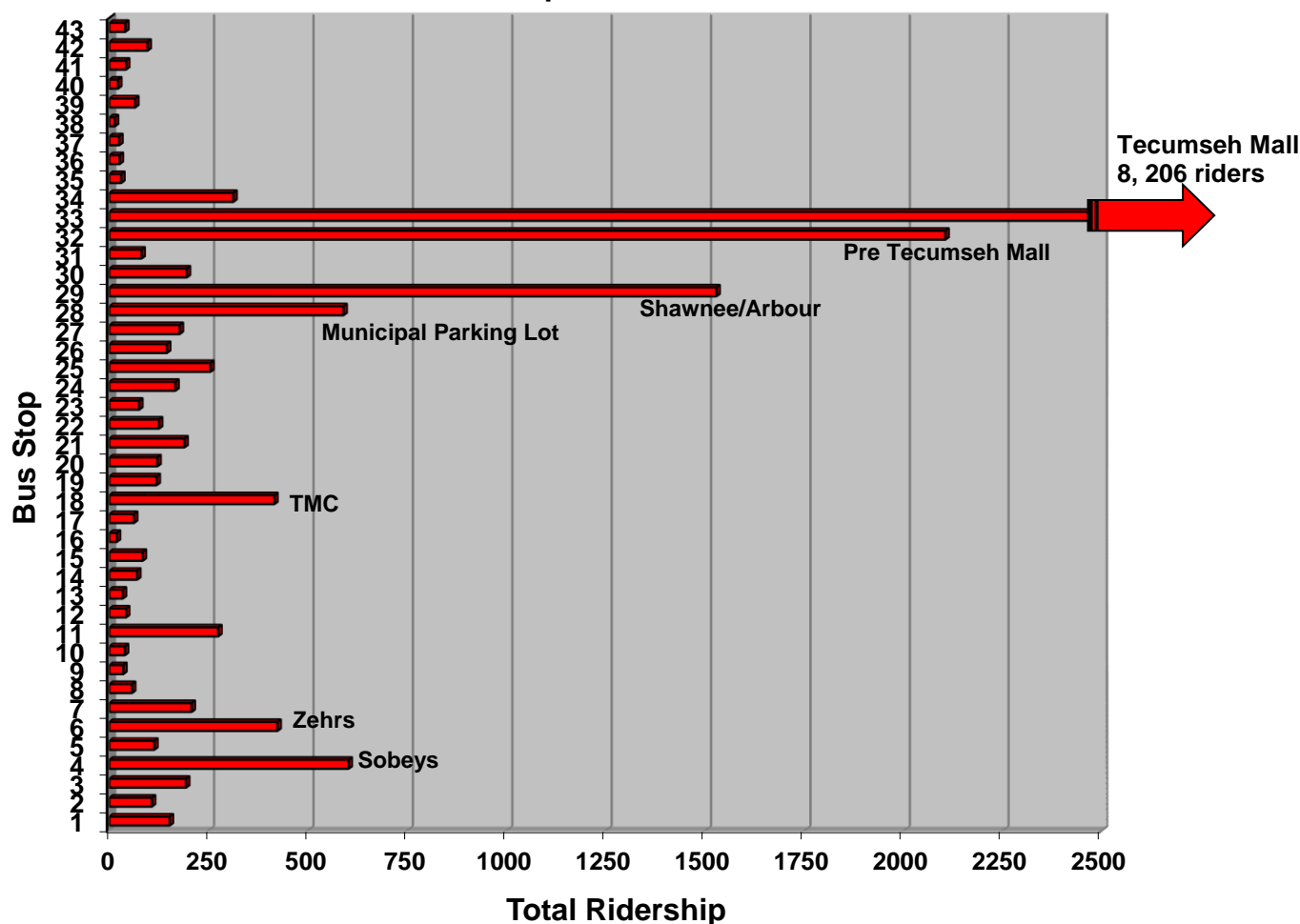


Figure 4 below and Attachment 1 illustrate ridership levels by bus stop for 2018. Ridership levels by bus stop have changed slightly from the previous year, resulting from the modifications that occurred to the TTS route and schedule in May of 2018. As anticipated, stop 33 at Tecumseh Mall was the most popular stop/destination with 46.9% of all passengers boarding the TTS bus at this location. This total is slightly less than the 49.7% of all passengers who boarded the TTS bus at this location in 2017.

The next most popular stops in 2018 were 32 (11.8% of riders), 29 (8.6% of riders), 28 (3.3% of riders) and 4 (3.4% of riders). Respectively, these stops are the bus stop immediately preceding the Tecumseh Mall stop at Southfield Drive, the bus stop at the northwest corner of Shawnee/Arbour, the municipal parking lot on Tecumseh Road (at St. Anne's Street) and the Sobey's plaza in Lakeshore. Other popular bus stops during 2018 included stops 6 (Zehrs Plaza) and 18 (Tecumseh Medical Centre plaza on Tecumseh Road).

**Figure 4**  
**Total Ridership by Bus Stop**  
**May to December 2018**  
**Since Inception of New Route**



As shown in Figure 5 below, the TTS was in highest demand during the afternoon peak period between 2:00 p.m. to 4:00 p.m. accounting for 22.4% of the total ridership. The demand during this time period is largely attributed to student ridership. Ridership appears to be relatively consistent during the other hours of operation, with each hourly segment accounting for between six and eight percent of total ridership.

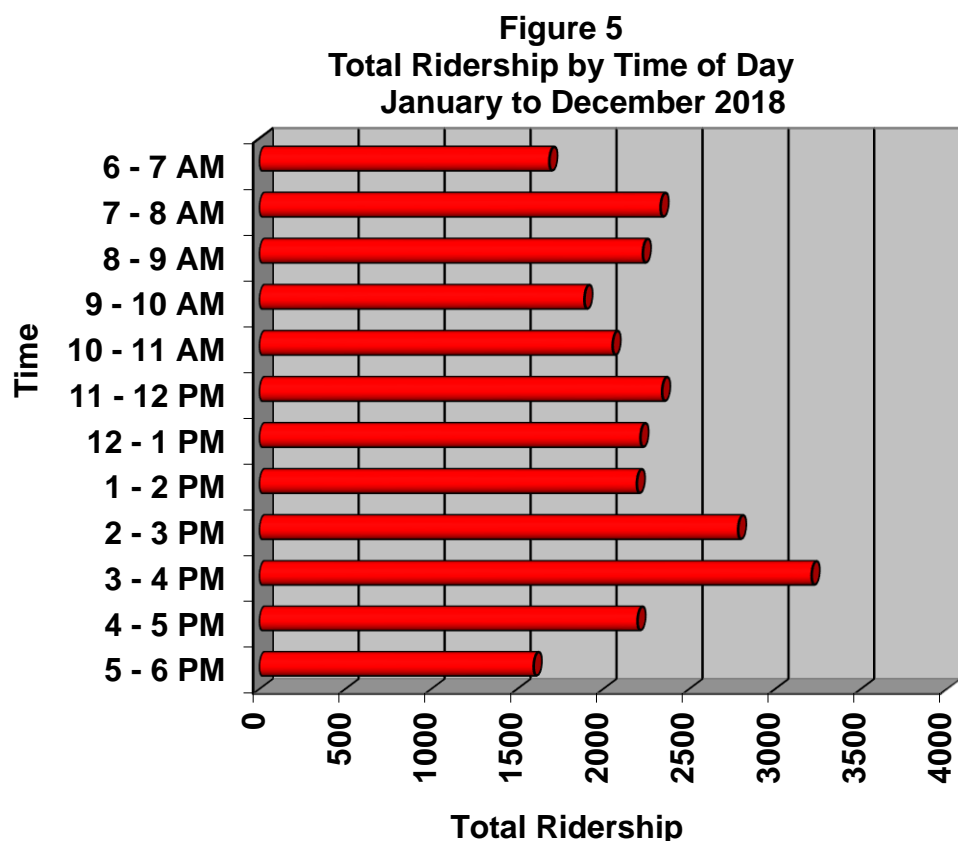
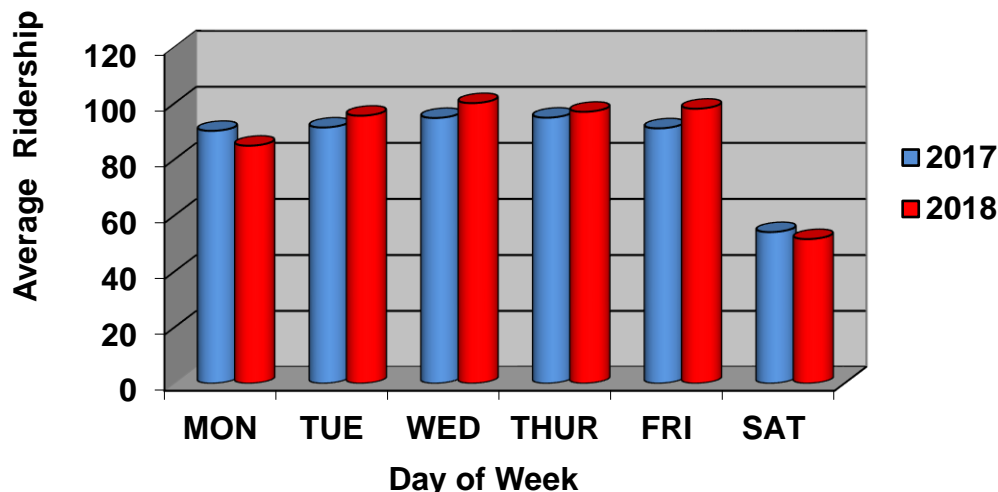


Figure 6 below illustrates that, with the exception of Saturday, there does not seem to be any significant difference amongst the days of the week on which people are using the transit system. Lower ridership on Saturdays can be attributed to fewer students using the service on this day and fewer places of employment being open.

**Figure 6**  
**Average Daily Ridership by Day of the Week**  
**2017 and 2018**



## Ridership Revenue Analysis

Figure 7 depicts total annual fare box revenues generated by the TTS from 2010 to 2018. Annual revenues have decreased from the totals experienced from 2012-2017. The 2018 total annual fare box revenues were \$19,797 (compared to \$22,794 for 2017) representing a 13.1% decrease in fare revenue over the previous year. Part of this decrease in fare box revenue was a result of the increase in the sales of monthly bus passes. A total of \$4,205 was generated through the sale of bus passes in 2018 (compared to \$2,655 for 2017) bringing total revenues generated for 2018 to \$24,002 (compared to \$25,449 for 2017) amounting to a 4.6% decrease in total overall annual revenues for 2018.

**Figure 7**  
**Annual Revenues**  
**2010 to 2018**

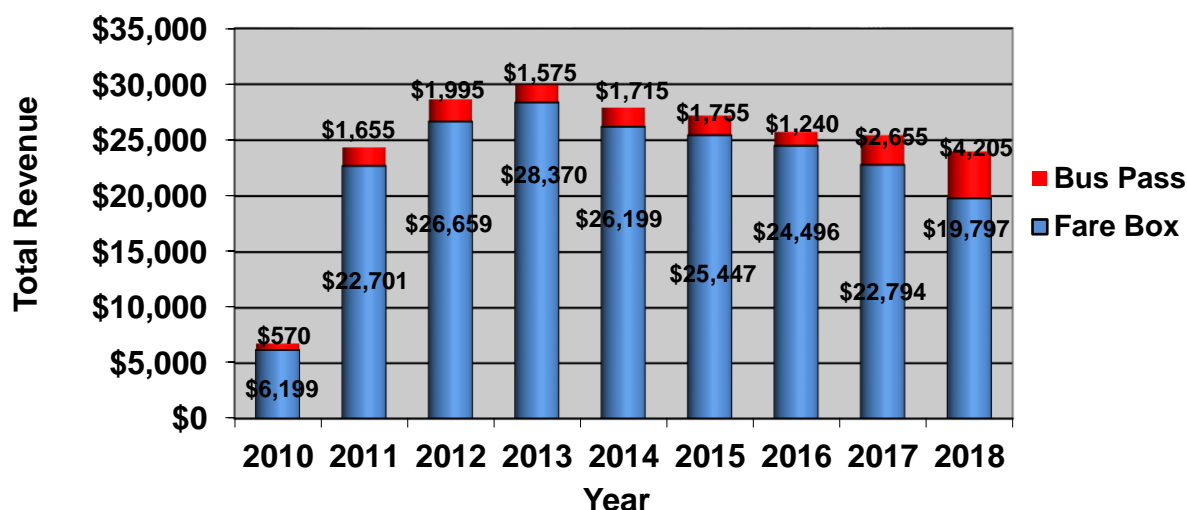
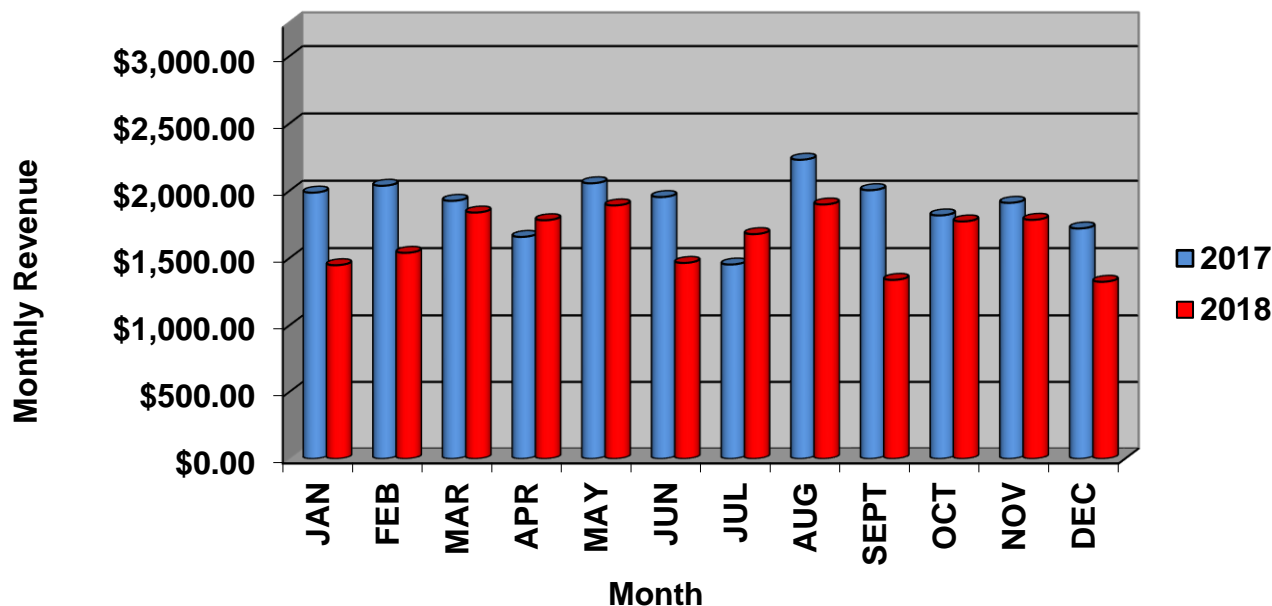


Figure 8 depicts a comparison of monthly total fare box revenues generated by the TTS for 2017 and 2018. The highest total monthly revenue for 2017 (\$1,902) occurred in August. It should be noted that the total for this month included an estimated \$115 generated from the Corn Festival Shuttle Service.

**Figure 8**  
**Total Monthly Fare Box Revenues**  
**2017 and 2018**



Two general boarding options exist for passengers using the bus: cash fare and non-cash fare payment. Non-cash fare includes the following categories:

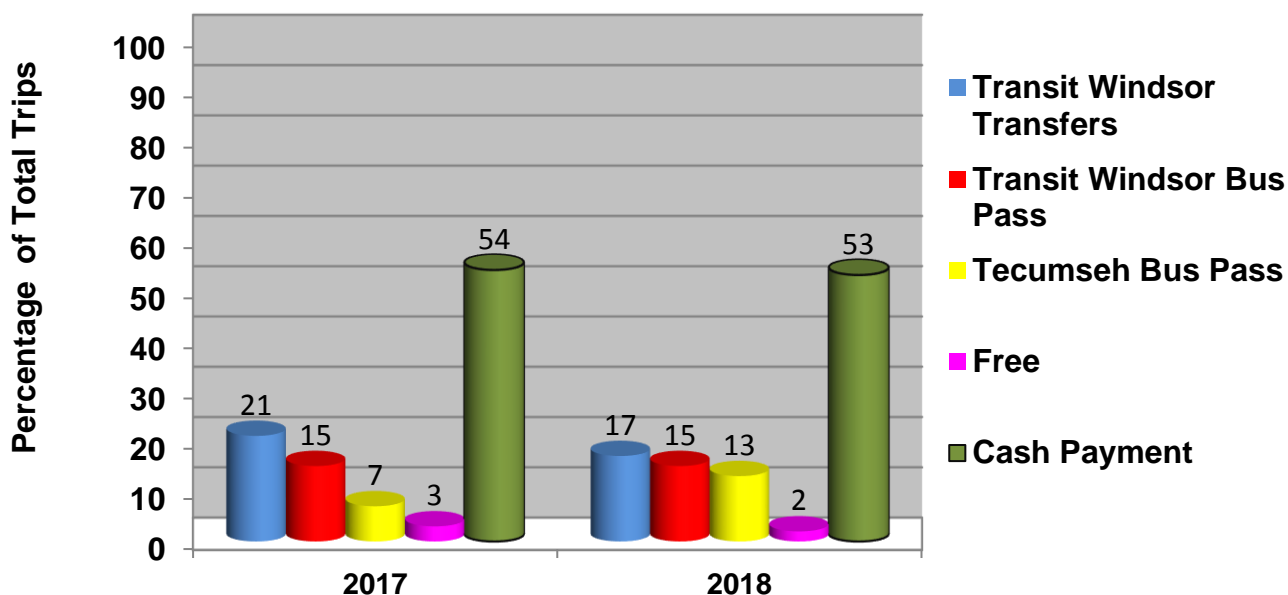
- Transit Windsor transfer (at Tecumseh Mall only);
- Transit Windsor bus pass (at Tecumseh Mall only);
- Tecumseh Transit bus pass; or
- free riders (i.e. child under the age of five, blind persons, veterans and persons assisting a person with a disability)

Figure 9 below identifies the distribution of passengers based on category of fare payment. For 2018, Transit Windsor transfers accounted for 36% of all non-cash fare trips (compared to 45% in 2017) and 17% of total trips (compared to 21% in 2017). These trips are primarily Tecumseh residents who pay an outbound fare (to Tecumseh Mall), continue into Windsor by using the Transit Windsor system, then return to Tecumseh by using the aforementioned transfer stub.

In 2018, riders using a Transit Windsor bus pass when boarding the bus at Tecumseh Mall accounted for 32% of all non-cash fare trips (compared to 33% in 2017) and 15% of total trips

(same as in 2017). These users are those who board the bus at Tecumseh Mall from the Transit Windsor system and take the bus into Tecumseh. These riders then pay the required fare when returning to Tecumseh Mall on the outbound trip back into the City of Windsor.

**Figure 9**  
**Cash and Non-Cash Fare Trips by Category**  
**2017 and 2018**



Passengers using a Tecumseh Transit bus pass, providing access to the system at any stop, accounted for 27% of all non-cash fare trips (compared to 16% in 2017) and 13% of total trips (compared to 7% in 2017). These riders have purchased a monthly bus pass at the Town Municipal Office. Free riders accounted for 2% of all trips in 2018 (compared to 3% in 2017).

The increase in Tecumseh bus pass trips can be attributed to an increase in the total numbers of bus passes sold in 2018. A total of 60 Tecumseh Transit bus passes were purchased in 2018, up from the 43 purchased in 2017. Adult and Student bus passes accounted for 46 of the 60 bus passes issued (23 each respectively), with the other 14 bus passes being senior passes. The majority of the passes (38 of 60) were purchased in one-month increments rather than the multi-month pass option. These riders are primarily Tecumseh residents and students that use the TTS on a daily basis and, in some instances, multiple times per day.

## Initiatives Planned for 2019

### i) Seniors Ride for Free Month

In June of 2018, the TTS offered a promotion for the Town's seniors, allowing them to ride the TTS for free for the entire month of June (Seniors' Month in Ontario). This initiative resulted in more than double the amount of seniors using the TTS. In keeping with Council's direction to better promote the service to seniors, Administration is once again recommending this program for 2019. The principle objective of this initiative will be to help seniors gain a better



understanding and appreciation for the TTS and transit in general in the hope that they would feel comfortable using the service on a regular basis.

## **ii) Delivery and Preparation of a Second Low Floor Accessible Transit Bus**

A second low floor accessible transit bus, similar to the one purchased in 2017, was purchased in 2018 and delivery is expected in early February 2019. This bus will need to be painted with the Town's logo and transit design in the same manner as the 2017 bus. It will then be available for service in late February. The initiation of a second new low floor accessible transit bus is expected to improve service by reducing service disruptions due to mechanical issues experienced with the Town's older bus and by providing quicker boarding for those riders with accessibility needs.

## **iii) Fleet Management Services - GPS Units and Counters on the Buses**

In accordance with the Council-approved budget for 2019, Fleet Management Services have been purchased from SkyMobile and are anticipated to be installed and operational by the end of February coinciding with the introduction of the second low floor accessible bus. These services include the installation of GPS units on the two buses thereby enabling staff to track the bus location and providing the opportunity to relay that information to the ridership through the Town's website. This service also includes electronic counters that will enable the bus drivers to more easily track riders boarding and departing the bus. These counters will significantly reduce the time and effort by staff involved in tabulating and reporting the requisite transit statistics to the Ministry of Transportation and the Canadian Urban Transit Association (CUTA).

## **iv) Advertising Panels on New Bus**

This initiative was planned for 2018 but due to the time delays in the delivery of the second bus, it was decided that it would be more appropriate to defer its implementation until 2019. With a single-route system that runs one bus at a time, but alternates two buses, it is important that both buses contain the same advertising panels to deliver this service effectively. Currently, one of the two buses is covered in a wrap, which undermines the ability to place advertising on it. The recently purchased transit bus, however, has an advertising panel on each side in the identical locations and sizes of the current newer low floor accessible bus.

A survey of other transit systems throughout Ontario suggests that the rate for this size of advertising panel ranges from \$120 to \$150 per month. It is believed that given the significant exposure of the TTS, particularly along Tecumseh Road and at Tecumseh Mall, the TTS could charge the upper limit of this range. This rate would generate approximately \$300 per month for the TTS. If the two external advertising panels prove successful, there is the potential to add another advertising panel to the passenger side of both buses. An advertising agreement, based on the one currently used by the arena for rink-board advertising, will be developed for the TTS.

## **v) Continued Dialogue with Transit Windsor Regarding Cross Boundary Service Opportunities**

In accordance with the direction of Council, Administration recently met with Transit Windsor representatives to discuss the current transfer policy between the two systems. Currently, the Town accepts transfers from the Transit Windsor system but this courtesy is not extended to TTS riders when they board the Transit Windsor system at Tecumseh Mall. Although there was no commitment from the Transit Windsor representatives to provide free transfers from the TTS to the Transit Windsor service, information on the TTS ridership levels was provided and they agreed to review it.

The meeting also provided the opportunity to have a broader discussion regarding potential areas of mutual interest related to the two transit systems. The meeting was timely as it the City is currently undertaking a review of its transit function through the “More than Transit” initiative – one of the goals of which is to “look at how to better connect people to school, work, services, and more”. Accordingly, discussions also took place regarding other opportunities including the possibility of introducing a pilot program to extend the current Transit Windsor route servicing the Oldcastle Hamlet to cover a greater area. It was agreed that further discussions with respect to this initiative will need to take place.

## **Summary**

After three years of diminishing ridership, the TTS ridership levels for 2018 increased marginally over the 2017 levels. This increase may be attributed to route revisions implemented in mid-2018 to make the service more reliable and the purchase of new, kneeling buses to improve accessibility, safety and comfort for the ridership. The kneeling bus also provided for more efficient loading of wheelchair riders as it negates the need for the external lowering of a ramp on the rear of the older bus, which takes more time. It is believed that these improvements, along with a promotional effort targeted at seniors assisted with increasing ridership numbers while providing a more effective and reliable transit service.

The introduction of the second kneeling bus, anticipated to be in operation by late-February, and the addition of GPS units on the buses will further assist with service enhancements and reliability for 2019.

## **Consultations**

Information & Communication Services  
First Student Canada

## **Financial Implications**

None

## Link to Strategic Priorities

Applicable	2017-18 Strategic Priorities
<input checked="" type="checkbox"/>	Make the Town of Tecumseh an even better place to live, work and invest through a shared vision for our residents and newcomers.
<input checked="" type="checkbox"/>	Ensure that the Town of Tecumseh's current and future growth is built upon the principles of sustainability and strategic decision-making.
<input type="checkbox"/>	Integrate the principles of health and wellness into all of the Town of Tecumseh's plans and priorities.
<input checked="" type="checkbox"/>	Steward the Town's "continuous improvement" approach to municipal service delivery to residents and businesses.
<input type="checkbox"/>	Demonstrate the Town's leadership role in the community by promoting good governance and community engagement, by bringing together organizations serving the Town and the region to pursue common goals.

## Communications

Not applicable ☒

Website ☐      Social Media ☐      News Release ☐      Local Newspaper ☐

This report has been reviewed by Senior Administration as indicated below and recommended for submission by the Chief Administrative Officer.

Prepared by:

Enrico DeCecco, BA (Hons), MCIP, RPP  
Junior Planner

Reviewed by:

Chad Jeffery, MA, MCIP, RPP  
Manager Planning Services

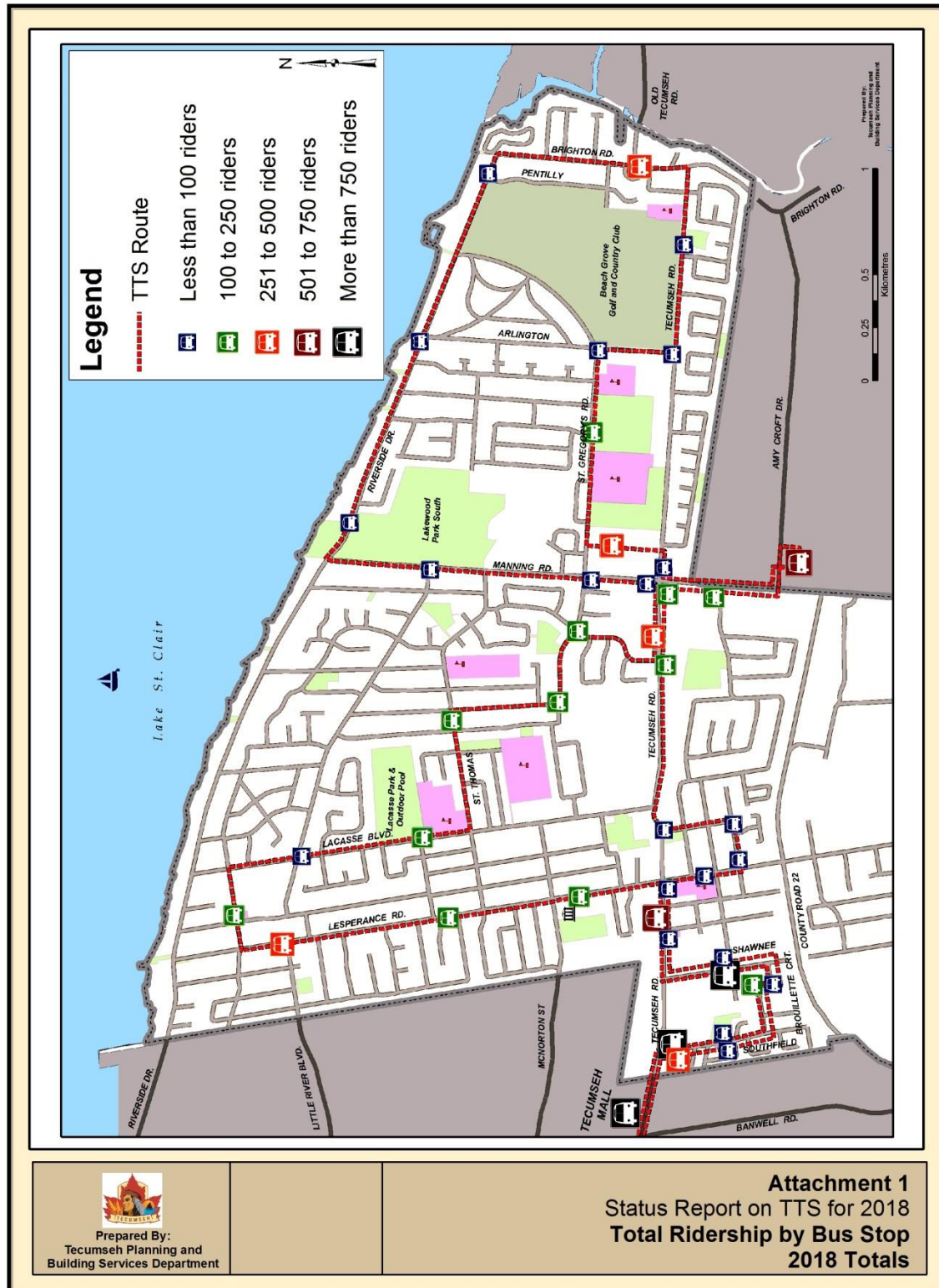
Reviewed by:

Brian Hillman, MA, MCIP, RPP  
Director Planning & Building Services

Recommended by:

Tony Haddad, MSA, CMO, CPFA  
Chief Administrative Officer

<b>Attachment Number</b>	<b>Attachment Name</b>
1	2018 Ridership Totals by Bus Stop Map





## The Corporation of the Town of Tecumseh

Planning & Building Services

**To:** Mayor and Members of Council

**From:** Mike Voegeli, Manager Building Services & Chief Building Official

**Date to Council:** February 12, 2019

**Report Number:** PBS-2019-02

**Subject:** 2018 Year End Permit Report

---

### Recommendations

It is recommended:

1. **That** Planning and Building Services Report No. PBS-2019-02 "2018 Year End Permit Report," **be received.**

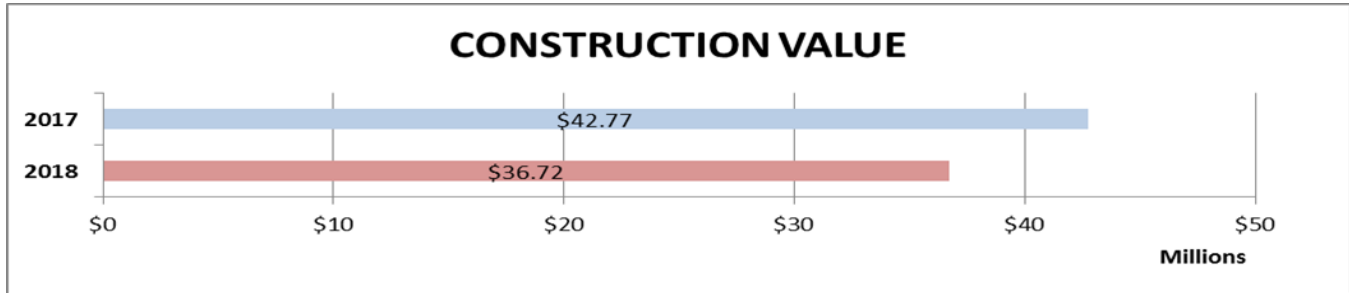
### Background

This Report summarizes the permits issued for the year of 2018, from January to December and compares the values of the same period of the previous year.

### Comments

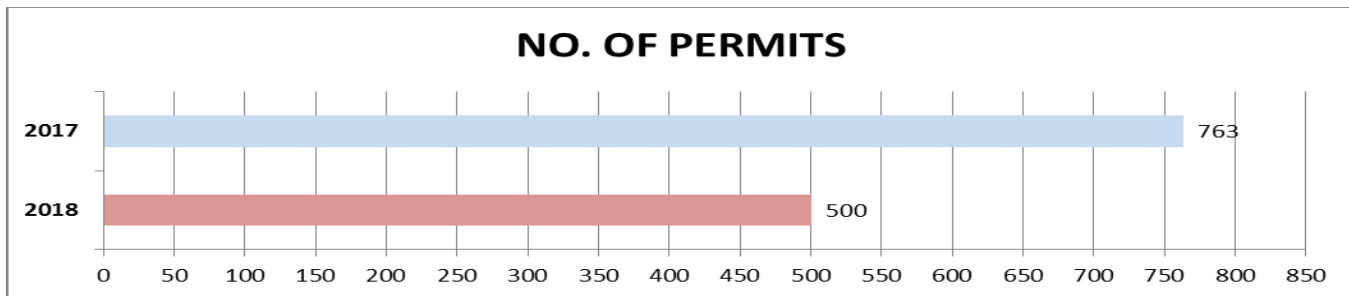
1. Construction Value:

The following chart summarizes the reported construction value of permits for the period. Construction value is down by -\$6,044,664 or 14.1 percent over last year. This is due in part to a decrease in new residential construction over the previous year.



## 2. Number of Permits:

The following chart summarizes the number of permits issued for the period. The number of permits is down by 263. This is due in part to a decrease in all types of residential construction over the previous year. Ninety-nine backwater valve permits were issued for the period.



## 3. Permit Types:

The following chart summarizes the number of permits issued by type for the period. A total of 24 new dwelling unit permits were issued, which resulted in 25 new residential units. For the same period last year there were 50 new residential units.

Permit Activity		
Types of Permits	No of Permits	
	2018	2017
New Residential Buildings	23	38
New Multi-Residential Buildings	1 (2 units)	2(12 units)
Residential Additions and Improvements	221	434
New Non-Residential Buildings	10	12
Non-Residential Additions and Improvements	88	79
Swimming Pools	35	60
Lot Grading	10	4
Fences	39	50
Signs	15	12
Portable Signs	41	56
Demolitions	17	16
<b>Totals</b>	<b>500</b>	<b>763</b>

## Consultations

None

## Financial Implications

Total revenue for the period is \$432,870 which is 19.6 percent above the budgeted amount of revenue of \$361,800.

## Link to Strategic Priorities

Applicable	2017-18 Strategic Priorities
<input type="checkbox"/>	Make the Town of Tecumseh an even better place to live, work and invest through a shared vision for our residents and newcomers.
<input type="checkbox"/>	Ensure that the Town of Tecumseh's current and future growth is built upon the principles of sustainability and strategic decision-making.
<input type="checkbox"/>	Integrate the principles of health and wellness into all of the Town of Tecumseh's plans and priorities.
<input checked="" type="checkbox"/>	Steward the Town's "continuous improvement" approach to municipal service delivery to residents and businesses.
<input type="checkbox"/>	Demonstrate the Town's leadership role in the community by promoting good governance and community engagement, by bringing together organizations serving the Town and the region to pursue common goals.

## Communications

Not applicable ☒

Website ☐ Social Media ☐ News Release ☐ Local Newspaper ☐



This report has been reviewed by Senior Administration as indicated below and recommended for submission by the Chief Administrative Officer.

Prepared by:

Mike Voegeli  
Manager Building Services & Chief Building Official

Reviewed by:

Brian Hillman, MA, MCIP, RPP  
Director Planning & Building Services

Recommended by:

Tony Haddad, MSA, CMO, CPFA  
Chief Administrative Officer

<b>Attachment Number</b>	<b>Attachment Name</b>
None	None



## The Corporation of the Town of Tecumseh

Public Works & Environmental Services

**To:** Mayor and Members of Council

**From:** Kirby McArdle, Manager Roads & Fleet

**Date to Council:** February 12, 2019

**Report Number:** PWES-2019-01

**Subject:** 2018 Traffic Analysis – Radar Speed Surveys

---

### Recommendations

It is recommended:

**That** Public Works & Environmental Services Report No. PWES-2019-01 titled '2018 Traffic Analysis – Radar Speed Surveys' **be received**.

### Background

The Public Works & Environmental Services (PWES) staff placed radar speed trailers along streets where speeding concerns were brought forward to PWES through Ward Councillors on behalf of residents. The speed trailers recorded data associated with vehicles traveling along roadways such as traffic volume; vehicle speed; time of day; and other important aspects related to traffic analysis.

### Comments

PWES conducted radar speed surveys in 2018 at eleven street locations as listed below in Table 1. The radar trailers were deployed for a minimum of one week.

### Speed Analysis

The traffic engineering industry standard utilized in setting the regulatory speed limit for a street facility uses the "85<sup>th</sup> percentile speed", which is defined as the speed at or below which 85 percent of all vehicles are observed to travel under free-flowing conditions. Most motorists generally travel at a speed deemed comfortable depending on visual aspects that influence speeds, such as:

- Lane and shoulder configurations, widths and presence of curbs;
- Presence of vertical and horizontal curves;
- Sight distance and obstructions;
- Presence of surrounding developments to the street; and
- Access management characteristics and medians/turn lane configurations.

Maintaining the uniformity of speeds increases safety and reduces the risks for vehicle collisions. When vehicles deviate from a standard speed, either faster or slower, the potential for accidents is increased. By setting the speed limit to the 85<sup>th</sup> percentile speed this uniformity is achieved and safety is increased. Selection of the most appropriate speed limit is important in inviting driver compliance, allowing effective enforcement, and reducing accident incidence.

The data in Table 1 illustrates that the 85<sup>th</sup> percentile speed of vehicles was only slightly over (less than 10 km/hr) the posted speed limits on the majority of the streets where the speed trailers were deployed.

**Table 1: 2018 Radar Speed Locations**

Location	Posted Speed Limit	Average Speed	85th Percentile Speed
Tecumseh Road near Dorset (westbound traffic)	50 km/h	50.7 km/h	58.8 km/h
Tecumseh Road near Dorset (eastbound traffic)	50 km/h	51.8 km/h	59.0 km/h
Riverside Drive east of Arlington (eastbound traffic)	50 km/h	51.1 km/h	59.0 km/h
Riverside Drive at Kensington (westbound traffic)	50 km/h	49.4 km/h	58.6 km/h
Riverside Drive at Pinewood (eastbound traffic)	50 km/h	52.2 km/h	59.2 km/h
<b>Riverside Drive at Centennial (westbound traffic)</b>	<b>50 km/h</b>	53.8 km/h	<b>62.1 km/h</b>
Intersection Road west of Shawnee (westbound traffic)	50 km/h	52.7 km/h	59.7 km/h
<b>Intersection Road at the residential boundary (eastbound traffic)</b>	<b>50 km/h</b>	57.2 km/h	<b>66.4 km/h</b>
Little River Boulevard near Chene (eastbound traffic)	50 km/h	45.6 km/h	54.5 km/h
<b>McNorton Street near the baseball diamond (eastbound traffic)</b>	<b>40 km/h</b>	44.5 km/h	<b>51.8 km/h</b>
Dillon Drive at Coronado (westbound traffic)	40 km/h	35.1 km/h	47.0 km/h

According to the data recorded and downloaded from the radar speed trailers, motorists on the majority of the streets that were monitored were generally found to be traveling at speeds that are not considered excessive as indicative of the Average Speeds outlined in the above table.

The **85<sup>th</sup> percentile speed** points to three locations where motorists were traveling more than 10 km/h over the posted speed limit:

- Riverside Drive at Centennial (westbound traffic)
- Intersection Road at the residential boundary (eastbound traffic)
- McNorton Street near the baseball diamond (eastbound traffic)

The Ontario Provincial Police (OPP) has been notified of the three above-noted areas of concern for enforcement.

PWES will also look to continue to gather radar speed data on these streets to determine the trend analysis, which may result in a separate report to Council with recommendations on possible speed limit changes, enhanced enforcement, or the introduction of appropriate traffic calming features, as deemed necessary.

When the speed limit is set lower than the 85<sup>th</sup> percentile, motorists will continue to operate vehicles at the speed deemed comfortable.

The **average speed** slightly exceeded the posted speed limit at eight of the eleven locations, of which the exceedance was **not** greater than 7.2km/h.

### **Ontario Provincial Police – Motor Vehicle Collision Reports**

The OPP extracted motor vehicle collision data for the above-noted eleven street locations from December 2016 to December 2018. Over the course of two years, the OPP records indicate there were no motor vehicle collisions related to speed on the above-noted eleven locations. Of the three accidents reported, two of the three collisions were the result of driver error.

### **Conclusion**

- Widespread speeding does not appear to be a Town-wide problem.
- The majority of motorists are driving within or marginally above the posted speed limit.
- Areas where speeding is a concern, the OPP have been notified for enforcement.

PWES will continue to conduct radar speed surveys in response to speeding complaints on a complaint-driven basis.

### **Consultations**

Ontario Provincial Police

### **Financial Implications**

There are no financial implications arising from this report.

## Link to Strategic Priorities

Applicable	2017-18 Strategic Priorities
<input type="checkbox"/>	Make the Town of Tecumseh an even better place to live, work and invest through a shared vision for our residents and newcomers.
<input checked="" type="checkbox"/>	Ensure that the Town of Tecumseh's current and future growth is built upon the principles of sustainability and strategic decision-making.
<input type="checkbox"/>	Integrate the principles of health and wellness into all of the Town of Tecumseh's plans and priorities.
<input checked="" type="checkbox"/>	Steward the Town's "continuous improvement" approach to municipal service delivery to residents and businesses.
<input type="checkbox"/>	Demonstrate the Town's leadership role in the community by promoting good governance and community engagement, by bringing together organizations serving the Town and the region to pursue common goals.

## Communications

Not applicable ☒

Website ☐      Social Media ☐      News Release ☐      Local Newspaper ☐

This report has been reviewed by Senior Administration as indicated below and recommended for submission by the Chief Administrative Officer.

Prepared by:

Cheryl Curran, BES  
Clerk I Administrative Clerk

Reviewed by:

Kirby McArdle, P.Eng.  
Manager Roads & Fleet

Reviewed by:

Phil Bartnik, P.Eng.  
Director Public Works & Environmental Services

Recommended by:

Tony Haddad, MSA, CMO, CPFA  
Chief Administrative Officer

<b>Attachment Number</b>	<b>Attachment Name</b>
None	None



## The Corporation of the Town of Tecumseh

Public Works & Environmental Services

**To:** Mayor and Members of Council

**From:** Sam Paglia, Drainage Superintendent/Engineering Technologist

**Date to Council:** February 12, 2019

**Report Number:** PWES-2019-04

**Subject:** Request for Repair and Improvements to West Branch of the East Branch Delisle Drain  
Appointment of Drainage Engineer

---

### Recommendations

It is recommended:

**That** Rood Engineering Inc. (Rood) **be appointed** Drainage Engineer to:

- (i) Make an examination of the West Branch of the East Branch of the Delisle Drain (Subject Drain) and drainage area as submitted by the owner of 11079 County Road 34 in the “Notice of Request for Drain Improvement” dated September 5, 2018; and
- (ii) Prepare a report in accordance with Section 78 of the *Drainage Act*.

### Background

The Town of Tecumseh (Town) received a “Request for Improvement” form from the Owners requesting a new access culvert on Parcel No. 460000034000000 for access to their farms lands as per Severance Application B-08/18.

As a condition of severance, the Owners must provide access to the farmlands being retained. As this access is over a Municipal Drain, the Owners are required to request an update to the current By-Law No. 77-15 and Drainage Report for the Subject Drain to include the newly designed culvert.

As a result of the received request for improvement, and upon appointment of a Drainage Engineer, conditions 6 and 7 outlined in Schedule “A” of Severance Application B-08/18 will be satisfied administratively.

The most recent Engineer’s Report, prepared by C.G. Russel Armstrong Ltd. in 1977, assessed 5.5 acres (2.03 hectares) as described above, as well as a portion of County Road 43 and a Highway 3.

The Owners have indicated their preference to have the Subject Drain abandoned as a Municipal Drain. The Owners were informed that although their preference is for an abandonment, all affected lands and roads are assessed into the Subject Drain. The Town’s obligation on any particular Municipal Drain regulated under the *Drainage Act* is to maintain and repair Municipal Drains for the benefit of **all** landowners within a watershed.

Administration has advised the Owners that once an Engineer is appointed, their request can be brought forth at the onsite meeting and once the Engineer fulfills their obligations under the *Act* to all affected landowners, the Engineer, if deemed most appropriate, may recommend abandonment of the drain as a Municipal Drain under Section 19 of the *Act*.

## Comments

### Legislation

Section 78 of the *Drainage Act* requires Council by by-law or resolution to appoint an Engineer to make an examination of the areas requiring drainage as described in the Request and to prepare a Drainage Report. The report shall include:

- a) plans, profiles and specifications of the drainage works, including a description of the area requiring drainage;
- b) an estimate of the total cost thereof;
- c) an assessment of the amount or proportion of the cost of the works to be assessed against every parcel of land and road for benefit, outlet liability and injuring liability;
- d) allowances, if any, to be paid to the owners of land affected by the drainage works; and
- e) such other matters as are provided for under the *Act*.

### Section 78

#### Improving, upon examination and report of engineer

(1) If a drainage works has been constructed under a by-law passed under this Act or any predecessor of this Act, and the council of the municipality that is responsible for maintaining and repairing the drainage works considers it appropriate to undertake one or more of the projects listed in subsection (1.1) for the better use, maintenance or repair of the drainage works or of lands or roads, the municipality may undertake and complete the project in



accordance with the report of an engineer appointed by it without the petition required in section 4. 2010, c. 16, Sched. 1, s. 2 (27).

## **Projects**

[\(1.1\)](#) the projects referred to in subsections (1) are:

1. Changing the course of the drainage works.
2. Making a new outlet for the whole or any part of the drainage works.
3. Construction a tile drain under the bed of the whole or any part of the drainage works.
4. Constructing, reconstructing or extending embankments, walls, dykes, dams, reservoirs, bridges, pumping stations or other protective works in connection with the drainage works.
5. Otherwise improving, extending to an outlet or altering the drainage works.
6. Covering all or part of the drainage works.
7. Consolidating two or more drainage works. 2010, c. 16, Sched. 1, s. 2 (27).

Section 78(1) of the Act states that where, for the better use, maintenance or repair of any drainage works constructed under a by-law passed under this Act or any predecessor of this Act or to otherwise improve, extend to an outlet or alter the drainage works or to cover the whole or any part of it, the Council of any municipality whose duty it is to maintain and repair the drainage works or any part thereof may, on the report of an Engineer appointed by it, undertake and complete the drainage works as set forth in such Drainage Report.

All proceedings, including appeals, under Section 78 shall be the same as on a report for the construction of a drainage works (Section 78(4)).

## **Notice to conservation authority**

[\(2\)](#) An engineer shall not be appointed under subsection (1) until thirty days after a notice advising of the proposed drainage works has been sent to the secretary-treasurer of each conservation authority that has jurisdiction over any of the lands that would be affected. R.S.O. 1990, c. D.17, s. 78 (2); 2010, c. 16, Sched. 1, s. 2 (28).

## **Powers and duties of engineer**

[\(3\)](#) The engineer has all the powers and shall perform all the duties of an engineer appointed with respect to the construction of a drainage works under this Act. R.S.O. 1990, c. D.17, s. 78 (3).

## Proceedings

(4) All proceedings, including appeals, under this section shall be the same as on a report for the construction of a drainage works. R.S.O. 1990, c. D.17, s. 78 (4).

## Section 19

### Engineer may recommend abandonment of drain

The engineer in the report may recommend the abandonment of any drain or part thereof that is no longer useful or that is being supplanted by a new drainage works. R.S.O. 1990, c. D.17

## Schedule “A” To Consent Application B-08/18

### Conditions 6 and 7

6. That the Owners enter into, and provide the Town of Tecumseh, a written agreement for the reapportionment of the drainage assessment for the subject lands, in accordance with Section 65(2) of the *Ontario Drainage Act*, R.S.O. 1990, as amended, and that the associated costs of same be borne solely by the Applicant. Apportionments for affected Municipal Drains are required and are to be assessed against the lands affected in accordance with any past, current or future drainage by-laws, until otherwise determined under the provisions of the *Drainage Act*.
7. That the parcel to be retained and the parcels to be severed are to be serviced with separate driveway accesses to the satisfaction of the Town of Tecumseh Engineering Services Division prior to the severance being finalized by means of submitting a “Notice of Request for Drain Improvement (Drainage Act, R.S.O. 1990, c, D.17, subs. 78(1))” to begin the process for the installation of an access culvert over the Municipal Drain.

## Required approvals

On September 11, 2018, the Town sent notification to the Essex Region Conservation Authority (ERCA) that it received a request for the repair and improvement of the Subject Drain. On September 25, 2018, ERCA sent notification of the receipt of the request, stating that they do not expect there will be any extraneous comments or concerns with respect to this project.

As outlined in Section 78(2) of the Act, the Engineer shall not be appointed until after the 30 day notification to the Conservation Authority who has regulation of the area. This administrative report is in line with those provisions as the 30-day period expired on October 11, 2018.

The proposed drainage works is rated as a “Class F” Drain by the Department of Fisheries and Oceans (DFO) and has intermittent flow or periods of flow, and is not applicable in relation to species of fish. Authorization for work on the Subject Drain within the Restricted Activity

Period (RAP) from March 15, to July 1, does not apply provided that work can be completed when the drain is dry, frozen or when low to no flow conditions exist.

The Subject Drain may contain significant species, such as plants, animals, habitat, etc., that are protected under the provincial Endangered Species Act (ESA). The Town will use its SAR Mitigation Plan for Drainage Works under Section 23.9 of Ontario Regulation 242/08. The Town's registered municipal drainage works permitted under Section 23.9 of Ontario Reg. 242/08 will provide the Ministry of Natural Resources and Forestry with the Notice of Drainage Work Activity Form annually and provide information on any encountered species and mitigation plan for same.

### **Appointment of Engineer**

It is recommended that Rood be appointed Drainage Engineer to the Subject Drain for consistency and efficiency as seen in previous projects completed for the Town. Rood has previously examined the West Branch of the Delisle Drain which lies just west of the Subject Drain. As these drains have abutting watersheds, Rood has previous knowledge with respect to the surrounding drainage area which may result in any efficiencies with respect to timing and project costs to examine background information. Furthermore, Rood is experienced in examining the Town's municipal drainage infrastructure and completes thorough and timely reports. As the Town continues to meet their Strategic Priorities, these attributes from a consultant are crucial in order to ensure future growth is built upon the principles of sustainability and strategic decision-making.

Administration recommends that the Town appoint Rood under Section 78 of the *Drainage Act* to review to examine the drainage works and report recommendations on the proposed abandonment of the Subject Drain.

For the benefit and conveyance of the water received by all affected lands within the watershed and adjacent to the Subject Drain that depend on it as an outlet for the water that they receive, it is recommended that Rood be appointed Drainage Engineer to:

- (i) Make an examination of the West Branch of the East Branch of the Delisle Drain and drainage area as submitted by Francis Lafferty and Rosemary Jobin in the "Notice of Request for Drain Improvement" dated September 5, 2018; and
- (ii) Prepare a report in accordance with Section 78 of the *Drainage Act*.

### **Consultations**

Financial Services  
Corporate Services & Clerk  
Rood Engineering Inc.

### **Financial Implications**

The Engineer's Report shall assess for benefit, outlet liability and injuring liability. A schedule of assessment is to be contained in the report which details in separate columns, the sums

assessed for each parcel of land and the road. The Town of Tecumseh does not have any affected roads in this By-Law.

## Link to Strategic Priorities

Applicable	2017-18 Strategic Priorities
<input type="checkbox"/>	Make the Town of Tecumseh an even better place to live, work and invest through a shared vision for our residents and newcomers.
<input checked="" type="checkbox"/>	Ensure that the Town of Tecumseh's current and future growth is built upon the principles of sustainability and strategic decision-making.
<input type="checkbox"/>	Integrate the principles of health and wellness into all of the Town of Tecumseh's plans and priorities.
<input checked="" type="checkbox"/>	Steward the Town's "continuous improvement" approach to municipal service delivery to residents and businesses.
<input type="checkbox"/>	Demonstrate the Town's leadership role in the community by promoting good governance and community engagement, by bringing together organizations serving the Town and the region to pursue common goals.

## Communications

Not applicable ☒

Website ☐ Social Media ☐ News Release ☐ Local Newspaper ☐

This report has been reviewed by Senior Administration as indicated below and recommended for submission by the Chief Administrative Officer.

Prepared by:

Cameron Hedges, E.I.T.  
Assistant Drainage Superintendent

Reviewed by:

Sam Paglia, P.Eng.  
Drainage Superintendent/Engineering Technologist

Reviewed by:

John Henderson, P.Eng.  
Manager Engineering Services

Reviewed by:

Phil Bartnik, P.Eng.  
Director Public Works & Environmental Services

Reviewed by:

Luc Gagnon, CPA, CA, BMath  
Director Financial Services & Treasurer

Reviewed by:

Laura Moy, Dipl. M.M., CMMIII HR Professional  
Director Corporate Services & Clerk

Recommended by:

Tony Haddad, MSA, CMO, CPFA  
Chief Administrative Officer

<b>Attachment Number</b>	<b>Attachment Name</b>
1	West Branch of the East Branch Delisle Drain Map

The Corporation of the Town of Tecumseh  
*Drain Maps*  
**Delisle/ West branch of East branc**



**DRAIN  
NUMBER**

25

**DRAIN  
NAME**

West Br. of the E Branch Deslisle Drain

**OUTLET**

1

**OUTLET  
NAME**

Pike Creek

**BY-LAWS**

77-55

**COMMENTS**

**MAP LOCATION**



**DISCLAIMER**

The information within this map is provided "as is" without warranty of any kind, either expressed or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose. The Corporation of the Town of Tecumseh assumes no liability for any alleged or actual, incidental or consequential damages resulting from the furnishing, performance or use of this map.

**KEY  
MAP**



Drain  
Number

**25**

Date Printed: Mar 26, 2010





## The Corporation of the Town of Tecumseh

Public Works & Environmental Services

**To:** Mayor and Members of Council

**From:** Denis Berthiaume, Manager Water & Wastewater Services

**Date to Council:** February 12, 2019

**Report Number:** PWES-2019-06

**Subject:** Annual Summary Report for the Town of Tecumseh Distribution System (260004969) for the Year 2018

---

### Recommendations

It is recommended:

**That** the Annual Summary Report for the Tecumseh Distribution System (260004969) for the Year 2018, as prepared in accordance with the *Safe Drinking Water Act*, O. Reg. 170/03, Schedule 22 Summary Report, **be adopted**;

**And that** the Annual Summary Report **be made available** for public viewing through the Town of Tecumseh website.

### Background

The *Safe Water Drinking Act* (SDWA), O. Reg. 170/3, requires every municipality to complete an annual report on the water systems they operate. This report is to be adopted by the local Council and made available to the public.

### Comments

Water Services Division prepared the 2018 annual report for the Water Distribution System for the Town of Tecumseh. See attached.

The format in which the report is prepared and submitted is a requirement of the Ministry of the Environment, Conservation and Parks (MOECP). Four sections must be included within the report:



1. An overview of the required information in accordance with Schedule 22 of O.Reg 170/03 under the SDWA.
2. A list of non-compliance issues.
3. Lead results – End of Period reports.
4. An assessment of the water distribution system's capability regarding flows per cubic meter, monthly flow averages and daily averages.

Upon Council's acceptance of this report, Report No. PWES-2019-06, the Town is legislatively required to notify the public that the report is available for review.

Accordingly, Administration recommends Council adopt the Annual Summary Report for the Tecumseh Distribution System (260004969) for the Year 2018, and request the report be placed on the Town's website for public access.

## Consultations

Ministry of the Environment, Conservation and Parks

## Financial Implications

There are no financial implications arising from this report.

## Link to Strategic Priorities

Applicable	2017-18 Strategic Priorities
<input checked="" type="checkbox"/>	Make the Town of Tecumseh an even better place to live, work and invest through a shared vision for our residents and newcomers.
<input checked="" type="checkbox"/>	Ensure that the Town of Tecumseh's current and future growth is built upon the principles of sustainability and strategic decision-making.
<input checked="" type="checkbox"/>	Integrate the principles of health and wellness into all of the Town of Tecumseh's plans and priorities.
<input checked="" type="checkbox"/>	Steward the Town's "continuous improvement" approach to municipal service delivery to residents and businesses.
<input type="checkbox"/>	Demonstrate the Town's leadership role in the community by promoting good governance and community engagement, by bringing together organizations serving the Town and the region to pursue common goals.

## Communications

Not applicable ☐

Website ☒

Social Media ☐

News Release ☐

Local Newspaper ☐

This report has been reviewed by Senior Administration as indicated below and recommended for submission by the Chief Administrative Officer.

Prepared by:

Denis Berthiaume, ORO  
Manager Water & Wastewater Services

Reviewed by:

Phil Bartnik, P.Eng.  
Director Public Works & Environmental Services

Recommended by:

Tony Haddad, MSA, CMO, CPFA  
Chief Administrative Officer

<b>Attachment Number</b>	<b>Attachment Name</b>
1	2018 Ministry of the Environment, Conservation and Parks Annual Report
2	Annual Summary Report for the Tecumseh Distribution System (260004969) for the Year 2018
3	Lead Results – End of Period Reports
4	Daily and Monthly Average Water Flows
5	Adverse Report



## OPTIONAL ANNUAL REPORT TEMPLATE

<b>Drinking-Water System Number:</b>	260004969
<b>Drinking-Water System Name:</b>	Town of Tecumseh Distribution System
<b>Drinking-Water System Owner:</b>	The Corporation of The Town of Tecumseh
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	01- January -2018 to 31- December – 2018

<p><b><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></b></p> <p>Does your Drinking-Water System serve more than 10,000 people? Yes [ x ] No [ ]</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [ x ] No [ ]</p> <p>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</p> <div style="border: 1px solid black; padding: 5px;"> <p>Town of Tecumseh Municipal Office 917 Lesperance Road Tecumseh, Ontario N8N 1W9</p> </div>	<p><b><u>Complete for all other Categories.</u></b></p> <p>Number of Designated Facilities served:</p> <div style="border: 1px solid black; padding: 2px; width: 100px; margin: 0 auto;">N/A</div> <p>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [ X ] No [ ]</p> <p>Number of Interested Authorities you report to:</p> <div style="border: 1px solid black; padding: 2px; width: 100px; margin: 0 auto;">2</div> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [ x ] No [ ]</p>
---	---

**Note: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report**

**List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:**

Drinking Water System Name	Drinking Water System Number
Lakeshore Dist. System	260004982

Did you provide a copy of your annual report to all Drinking-Water System owners that are connected to you and to whom you provide all of its drinking water?  
Yes [ x ] No [ ]



Indicate how you notified system users that your annual report is available, and is free of charge.

- ☒ Public access/notice via the web  
☐ Public access/notice via Government Office  
☐ Public access/notice via a newspaper  
☒ Public access/notice via Public Request  
☐ Public access/notice via a Public Library  
☐ Public access/notice via other method \_\_\_\_\_

**Describe your Drinking-Water System**

**Water Distribution System**

The Town of Tecumseh, City of Windsor and the Windsor Utilities Commission (WUC) entered into a 50-year Service Agreement in November 2004. The Service Agreement was implemented on March 31, 2006 when four boundary metering chambers were installed and maintained by the Town of Tecumseh. Tecumseh's drinking water system also includes a water tower located on Tecumseh Road, with no re-chlorination stations within the distribution system

Prior to August 1, 2008, WUC provided water to 2,400 residents in the former Township of Sandwich South, south of Highway 401 ("South Water Area"). The Town installed eight additional boundary meter chambers and assumed the responsibility for the operations and maintenance of the water distribution system from WUC in this South Water Area effective August 1, 2008.

The Town of Tecumseh and the Town of Lakeshore entered into an agreement on May 13, 2003 whereby the Tecumseh distribution system supplies drinking water to the Lakeshore distribution system. This agreement expired on December 31, 2007 and is currently being renegotiated; the status quo is maintained until a new agreement is signed.

**List all water treatment chemicals used over this reporting period**

N/A

**Were any significant expenses incurred to?**

- ☐ Install required equipment  
☐ Repair required equipment  
☒ Replace required equipment – Public Works Report No. 2018-07



# Ontario Drinking-Water Systems Regulation O. Reg. 170/03

Please provide a brief description and a breakdown of monetary expenses incurred

Watermain replacements all of Mack Court, Hayes Ave, all of Alden Court, all of Lacasse Park, the easement from Roscon Ind Drive to Highway # 3. Abandonment of watermain and transfer of water services along Tecumseh Road at Alrington. Total cost of projects was \$742,725.

Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
Feb 21/18	Total Coliform	32	cfu/100ml	Resample	Feb 21/18

Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period.

	Number of Samples	Range of E.Coli Or Fecal Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC Samples	Range of HPC Results (min #)-(max #)
Raw					
Treated					
Distribution	530	0 to 0	0 to 32	159	0 to 20

Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.

	Number of Grab Samples	Range of Results (min #)-(max #)
Turbidity		
Chlorine	8760	Max 1.71 mg Min .32mg
Fluoride (If the DWS provides fluoridation)	N/A	

*NOTE: For continuous monitors use 8760 as the number of samples.*

*NOTE: Record the unit of measure if it is not milligrams per litre.*

Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument.



Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure

## Summary of Inorganic parameters tested during this reporting period or the most recent sample results

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony				
Arsenic				
Barium				
Boron				
Cadmium				
Chromium				
*Lead	June 26/18	<0.010	Mg/l	0
	Dec 18/18	<0.010	Mg/l	0
Mercury				
Selenium				
Sodium				
Uranium				
Fluoride				
Nitrite				
Nitrate				

\*only for drinking water systems testing under Schedule 15.2; this includes large municipal non-residential systems, small municipal non-residential systems, non-municipal seasonal residential systems, large non-municipal non-residential systems, and small non-municipal non-residential systems

## Summary of lead testing under Schedule 15.1 during this reporting period

(applicable to the following drinking water systems; large municipal residential systems, small municipal residential systems, and non-municipal year-round residential systems)

Location Type	Number of Samples	Range of Lead Results (min#) – (max #)	Number of Exceedances
Distribution	8	0.00002 - 0.00015	0



## Summary of Organic parameters sampled during this reporting period or the most recent sample results

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor				
Aldicarb				
Aldrin + Dieldrin				
Atrazine + N-dealkylated metabolites				
Azinphos-methyl				
Bendiocarb				
Benzene				
Benzo(a)pyrene				
Bromoxynil				
Carbaryl				
Carbofuran				
Carbon Tetrachloride				
Chlordane (Total)				
Chlorpyrifos				
Cyanazine				
Diazinon				
Dicamba				
1,2-Dichlorobenzene				
1,4-Dichlorobenzene				
Dichlorodiphenyltrichloroethane (DDT) + metabolites				
1,2-Dichloroethane				
1,1-Dichloroethylene (vinylidene chloride)				
Dichloromethane				
2-4 Dichlorophenol				
2,4-Dichlorophenoxy acetic acid (2,4-D)				
Diclofop-methyl				
Dimethoate				
Dinoseb				
Diquat				
Diuron				
Glyphosate				
Heptachlor + Heptachlor Epoxide				
Lindane (Total)				
Malathion				
Methoxychlor				
Metolachlor				
Metribuzin				
Monochlorobenzene				
Paraquat				





Parathion				
Pentachlorophenol				
Phorate				
Picloram				
Polychlorinated Biphenyls(PCB)				
Prometryne				
Simazine				
THM (NOTE: show latest annual average)	Every 3 months	16.35	Ug/L	0
Temephos				
Terbufos				
Tetrachloroethylene				
2,3,4,6-Tetrachlorophenol				
Triallate				
Trichloroethylene				
2,4,6-Trichlorophenol				
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)				
Trifluralin				
Vinyl Chloride				

List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.

Parameter	Result Value	Unit of Measure	Date of Sample
N/A			

ANNUAL SUMMARY REPORT

For the

TECUMSEH DISTRIBUTION SYSTEM

(260004969)

For the year

2018

Prepared for the Town of Tecumseh

By Denis Berthiaume, ORO  
Manager Water & Wastewater Services

## Table of Contents

<b>Section 1: Overview .....</b>	<b>3</b>
<b>Section 2: Non-compliance Issues .....</b>	<b>4</b>
<b>Section 3: System Capability.....</b>	<b>4</b>

## Section 1: Overview

This report has been prepared and submitted in accordance with Schedule 22 of O. Reg. 170/03 under the *Safe Drinking Water Act*. Schedule 22 requires:

The owner of a drinking-water system shall ensure that, not later than March 31 of each year after 2003, a report is prepared in accordance with subsections (1) and (2) for the preceding calendar year and is given to the members of the municipal council.

Schedule 22 also states that:

- 1) The report must:
  - a) list the requirements of the *Act*, the regulations, the system's approval and any order that the system failed to meet at any time during the period covered by the report and specify the duration of the failure; and
  - b) for each failure referred to in clause (a), describe the measures that were taken to correct the failure.
- 2) The report must also include the following information for the purpose of enabling the owner of the system to assess the capability of the system to meet existing and planned uses of the system. A summary of the quantities of the water supplied during the period covered by the report, including monthly flows.

In June 2003, the provincial *Safe Drinking Water Act* came into effect. The Drinking-Water Systems Regulation (O.Reg. 170/03) defines how various drinking-water systems are to be operated.

According to this Regulation, the Tecumseh Distribution System is classified as a Large Municipal Residential System (LMR).

## Section 2: Non-Compliance Issues

1. During the year of 2018 there was 1 **reportable issue** on Feb 21/18 at the auto flusher located on Manning/County Rd #34 in the Tecumseh Distribution System. (see full attachment with this Council Report)

## Section 3: System Capability – 2018 Water Consumption

In accordance with the Agreement between the Town of Tecumseh and the City of Windsor for the provision of water services to the Town of Tecumseh, executed under By-Law No. 2004-71, the Maximum Daily Flow shall not exceed **87 Million Litres** (87 MLD) or 87,000 cubic meters.

The **Maximum Daily Flow** for 2018 was **33,447,000 Litres** (33,447 cubic meters) on May 29, 2018.

Monthly average and daily flows for 2018 are attached for reference.

A summary of the **monthly** total volume supplied by the City of Windsor to the Town of Tecumseh is provided below:

<b>2018 Water Consumption</b>	
<b>Month</b>	<b>Total Volume (cubic meters)</b>
January	240,923
February	217,118
March	224,111
April	235,065
May	276,175
June	367,900
July	366,153
August	326,624
September	311,522
October	274,300
November	240,671
December	235,178
<b>Total</b>	<b>3,315,740</b>



## O.Reg. 170/03 Community Lead Testing – End of Period Report

(O. Reg. 170/03 under Schedule 15.1)

### Instructions

Please complete this form and fax/email directly to:

Ministry of the Environment  
Drinking Water Programs Branch

Fax: 416 212-0607

Email: leadsubmission.moe@ontario.ca

Use this form to submit a report to the ministry as required under Section 15.1-9 (6.1) under Schedule 15.1 of O.Reg. 170/03. If you require assistance in completing the form report, please call 1 866 793-2588 (toll free).

The most current version of this form report is posted on the Ministry of the Environment web site at [www.ontario.ca/drinkingwater](http://www.ontario.ca/drinkingwater)

### Part A: Drinking Water System Information

1. Drinking Water System Name

Town of Tecumseh

2. Drinking Water System (DWS) Number (Ministry assigned 9 digits number starting with "2".)

260004969

3. Drinking Water System Owner

Town of Tecumseh

4. Report Period (Year: yyyy)

a) ☒ Summer (June 15th to October 15th) b) ☐ Winter (December 15th to April 15th) 5. Year:

### Part B: Report Submission Information

	Plumbing	Distribution
6. Number of individual samples		4
7. Number of sampling points (Locations)		N/A
8. Number of individual sample exceedances		0
9. Number of sampling points with an exceedance during the period		N/A
10. Percentage of sample points with an exceedance		N/A
11. Is the system required to have a Corrosion Control Plan prepared under Section 15.1-11 under Schedule 15.1 of O.Reg.170/03?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
12. Do the reduced sampling & frequency requirements of Section 15.1-5 under Schedule 15.1 of O.Reg.170/03 apply to the system?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
13. Do the plumbing sample exemptions of Section 15.1-5 (9) under Schedule 15 of O.Reg.170/03 apply to the system?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

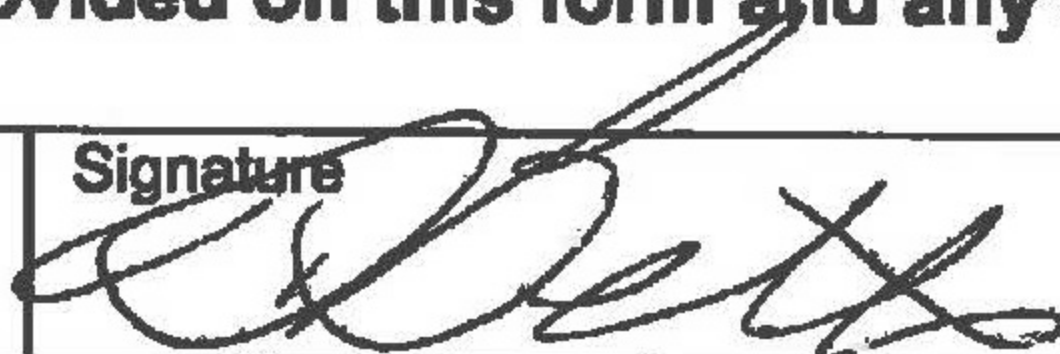
### Part C: Form Submission Information

I declare that all the information provided on this form and any attachment(s) is true and correct to the best of my knowledge.

Prepared by (print name)

Denis Berthiaume

Signature



Date (yyyy/mm/dd)

2018/07/03

Telephone No. (including area code)

519-735-2184

Collection of information on this form is collected by the Drinking Water Management Division on behalf of the Ministry of the Environment in accordance with the *Safe Drinking Water Act, 2002* (SDWA) and its regulations. The collection, use and dissemination of this information are governed by the *Freedom of Information and Protection of Privacy Act* (FOIPPA). The information gathered herein will be used for the purpose of corrosion control, and may be used for secondary purposes including reporting, investigating and law enforcement under the SDWA and its regulations. Information contained on this form, including personal information, may be disclosed to other government agencies including municipalities, public health unit employees, the Ministry of Health and Long Term Care, the Ministry of Education and the Ministry of Community and Social Services pursuant to section 42 of FOIPPA for the consistent purpose of administering programs related to drinking water safety.



**C.O.C.: DW1806261315-W**

**REPORT No. B18-18383**

**Report To:**

**Town of Tecumseh**  
1189 LaCasse Blvd,  
Tecumseh Ontario N8N 2C7 Canada

**Attention:** Denis Berthiaume

**Caduceon Environmental Laboratories**

3201 Marentette Ave. Unit #5

Windsor ON N8X 4G3

Tel: 519-966-9541

Fax: 519-966-9567

**DATE RECEIVED:** 26-Jun-18

**JOB/PROJECT NO.:** Town of Tecumseh

**DATE REPORTED:** 03-Jul-18

**P.O. NUMBER:**

**SAMPLE MATRIX:** Drinking Water

**WATERWORKS NO.** 260004969

Parameter			Alkalinity(Ca CO3) to pH4.5	Lead			
Units			mg/L	mg/L			
R.L.			5	0.00002			
Reference Method			SM 2320B	EPA 200.8			
Date Analyzed/Site			28-Jun-18/O	29-Jun-18/O			
Client I.D.	Sample I.D.	Date Collected					
Edgewater @ St. Gregory Hydrant	B18-18383-1	26-Jun-18	77	< 0.00002			
226 St Marks -Hydrant	B18-18383-2	26-Jun-18	79	0.00004			
471 Arlington - Hydrant	B18-18383-3	26-Jun-18	78	0.00010			
395 Kensington - Hydrant	B18-18383-4	26-Jun-18	78	0.00005			



R.L. = Reporting Limit

Test methods may be modified from specified reference method unless indicated by an \*

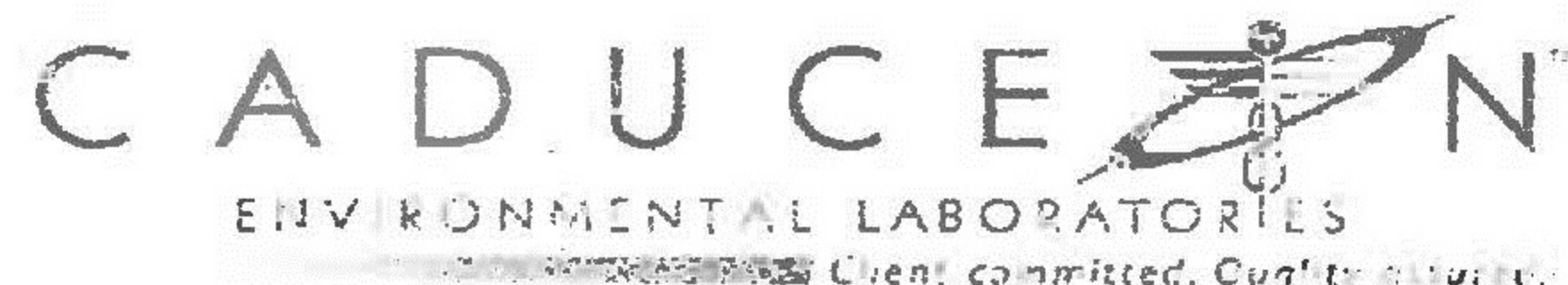
Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill,B-Barrie

**Lorina Merko**  
Lab Supervisor

The analytical results reported herein refer to the samples as received. Reproduction of this analytical report in full or in part is prohibited without prior consent from Caduceon Environmental Laboratories.



# DRINKING WATER SUBMISSION FORM



## DRINKING WATER FACILITY CLASSIFICATION

- ☒ Municipal ☐ Non-Municipal ☐ Reg. 170/03  
☒ Large ☐ Small ☐ Reg. 318/08 & 319/08  
☐ Residential ☐ Non-Residential ☐ Reg. 243/07  
☐ Seasonal ☐ Year-Round ☐ Private Well Water  
☐ Other: \_\_\_\_\_

## REPORT NUMBER (Lab Use)

Indicate Laboratory or Depot Samples are Submitted to

☐ Kingston ☐ Ottawa ☐ Richmond Hill ☒ Windsor ☐ Barrie ☐ London

Organization: TOWN OF TECUMSEH

Contact: DENIS BERTHAUME

Tel: 519-991-7071 Fax: 519-735-1895

After Hours Tel: 519-991-7071 Public Health Unit:

Mail:

Waterworks Address: TOWN OF TECUMSEH  
 1189 LACASSE RD  
 TECUMSEH ON.  
 N8N 2C7

Waterworks No.: 260004969

Quote No.:

Invoicing Address (if different):

Project Name/No.: TOWN OF TECUMSEH

P.O. No.:

## ANALYSES REQUESTED

Microbiological		Chemical								Other	
Total Coliform / E.coli	Background	Heterotrophic Plate Count	Sodium	Lead	Fluoride	Trihalomethanes	HAA's	Nitrite, Nitrate as N	Sch. 23 Inorganics	Sch. 24 Organics	ALKALINITY
											DISTRIBUTION

## TURNAROUND TIME

### REQUESTED

- Summary of Surcharges \*\*\*
- ☐ Platinum 200% - same day\*\*  
☐ Gold 100% - 24 Hour  
☐ Silver 50% - 48 Hours  
☐ Bronze 25% - 72 Hours  
☒ Standard 5-7 days  
☐ Specific Date: \_\_\_\_\_

\* Sample Matrix Legend: TW = Treated Water, DW = Distribution Water, GW = Raw Groundwater, SW = Raw Surface Water, UGW = Untreated Groundwater (Drinking Water/Distribution)

GUDI = Groundwater under the influence of surface water, PR = Plumbing Residential, PNR = Plumbing Non-Residential \*\* Fastest possible TAT achievable (same day if applicable) \*\*\* See Caduceon General Turnaround Time Terms

Lab No.	Sample Source and/or Sample Identification	S.P.L.	Sample Matrix *	Date Collected (yy-mm-dd)	Time Collected	Adverse Resample	Indicate Test For Each Sample By Using A Check Mark In The Box Provided												Chlorine		# Bottles/ Sample
																			Free	Total	
1	EDGEWATER @ ST. GREGORY - HYDRANT		DW	18-06-26	10:30AM	NO															2
2	226 ST. MARKS - HYDRANT		DW	18-06-26	10:51AM	NO															2
3	471 ARLINGTON - HYDRANT		D.W.	18-06-26	11:20AM	NO															2
4	395 KENSINGTON - HYDRANT		D.W.	18-06-26	11:43AM	NO															2

Has Lab Service Notification (LSN) Form been completed & submitted to the MOE/PHU? ☒ Yes ☐ No ☐ Not Applicable

Laboratory Analysis will not commence until all Notification information is received and the Submission form is appropriately completed

SAMPLE SUBMISSION INFORMATION		SHIPPING INFORMATION		REPORTING / INVOICING	SAMPLE RECEIVING INFORMATION (LABORATORY USE ONLY)	
Sampled by:	Submitted by:	Courier (Client account) <input type="checkbox"/>	Invoice <input type="checkbox"/>	Report by Fax <input type="checkbox"/>	Received By (print):	Signature:
JAMIE BALKWILL	JAMIE BALKWILL	Courier (Caduceon account) <input type="checkbox"/>	<input type="checkbox"/>	Report by Email <input type="checkbox"/>	SAWAS	[Signature]
gn: [Signature]	[Signature]	Drop Off <input type="checkbox"/>	# of Pieces	Invoice by Email <input type="checkbox"/>	Date Received (yy-mm-dd):	Time Received:
18-06-26 11:43AM	18-06-26 1:14 PM	Caduceon (Pick-up) <input type="checkbox"/>		Invoice by Mail <input type="checkbox"/>	180626	1:15
Date (yy-mm-dd)/Time:	Date (yy-mm-dd)/Time:				Laboratory Prepared Bottles: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
					Sample Temperature °C: 14	Labeled by:

Comments:



## Community Lead Testing - Sampling and Action log

[illegible]







**WATER DIVISION**  
**COMMUNITY LEAD TESTING DATA SHEET**

\*\*\*PLEASE PRINT ALL INFORMATION\*\*\*

Document Verified by  
(Initials Only)

*[Handwritten Signature]*

Location	EDGEWATER @ ST. GREGORY	Date	JUNE 26 2018
Operator (print)	MIKE / JAMIE		
Operator Signature	<i>[Handwritten Signature]</i>		

SAMPLE LOCATION	TYPE OF SAMPLE
<input type="checkbox"/> Kitchen	<input type="checkbox"/> Private Residential
<input type="checkbox"/> Bathroom	<input type="checkbox"/> Non-Residential
<input checked="" type="checkbox"/> Hydrant	<input checked="" type="checkbox"/> Distribution
<input type="checkbox"/> Sample Station	
<input type="checkbox"/> Flushing Station	
<input type="checkbox"/> Other:	
FILTER DEVICE	SAMPLE TAKEN
<input checked="" type="checkbox"/> No Filter Device	<input checked="" type="checkbox"/> Lead Sample #1
<input type="checkbox"/> Filter Device	<input type="checkbox"/> Lead Sample #2
<input type="checkbox"/> Bypass	<input checked="" type="checkbox"/> Alkalinity
<input type="checkbox"/> Filter Removed	<input checked="" type="checkbox"/> pH 8.20
<input type="checkbox"/> Other:	

Distance from Private or Non-Residential	N/A	Meters
Location from Private or Non-Residential	N/A	
Flushing Start Time	10:20 AM	
Time of First Sample Taken	10:30 AM	

Comments



WATER DIVISION  
**COMMUNITY LEAD TESTING DATA SHEET**

\*\*\*PLEASE PRINT ALL INFORMATION\*\*\*

Document Verified by  
(Initials Only)

*MD*

Location	226 ST. MARKS	Date	JUNE 26 2018
Operator (print)	MIKE/JAMIE		
Operator Signature	<i>[Signature]</i>		

SAMPLE LOCATION	TYPE OF SAMPLE
<input type="checkbox"/> Kitchen	<input type="checkbox"/> Private Residential
<input type="checkbox"/> Bathroom	<input type="checkbox"/> Non-Residential
<input checked="" type="checkbox"/> Hydrant	<input checked="" type="checkbox"/> Distribution
<input type="checkbox"/> Sample Station	
<input type="checkbox"/> Flushing Station	
<input type="checkbox"/> Other:	

FILTER DEVICE	SAMPLE TAKEN
<input checked="" type="checkbox"/> No Filter Device	<input checked="" type="checkbox"/> Lead Sample #1
<input type="checkbox"/> Filter Device	<input type="checkbox"/> Lead Sample #2
<input type="checkbox"/> Bypass	<input checked="" type="checkbox"/> Alkalinity
<input type="checkbox"/> Filter Removed	<input checked="" type="checkbox"/> pH 8.28
<input type="checkbox"/> Other:	

Distance from Private or Non-Residential	N/A	Meters
Location from Private or Non-Residential	N/A	
Flushing Start Time	10:36 AM	
Time of First Sample Taken	10:51 AM	

Comments





WATER DIVISION

COMMUNITY LEAD TESTING DATA SHEET

\*\*\*PLEASE PRINT ALL INFORMATION\*\*\*

Document Verified by  
(Initials Only)



Location	471 ARLINGTON	Date	JUNE 26 2018
Operator (print)	MIKE/JAMIE		
Operator Signature			

SAMPLE LOCATION	TYPE OF SAMPLE
<input type="checkbox"/> Kitchen	<input type="checkbox"/> Private Residential
<input type="checkbox"/> Bathroom	<input type="checkbox"/> Non-Residential
<input checked="" type="checkbox"/> Hydrant	<input checked="" type="checkbox"/> Distribution
<input type="checkbox"/> Sample Station	
<input type="checkbox"/> Flushing Station	
<input type="checkbox"/> Other:	
FILTER DEVICE	SAMPLE TAKEN
<input checked="" type="checkbox"/> No Filter Device	<input checked="" type="checkbox"/> Lead Sample #1
<input type="checkbox"/> Filter Device	<input type="checkbox"/> Lead Sample #2
<input type="checkbox"/> Bypass	<input checked="" type="checkbox"/> Alkalinity
<input type="checkbox"/> Filter Removed	<input checked="" type="checkbox"/> pH 8.25
<input type="checkbox"/> Other:	

Distance from Private or Non-Residential	N/A	Meters
Location from Private or Non-Residential	N/A	
Flushing Start Time	11:07 AM	
Time of First Sample Taken	11:20 AM	

Comments



**WATER DIVISION**  
**COMMUNITY LEAD TESTING DATA SHEET**

\*\*\*PLEASE PRINT ALL INFORMATION\*\*\*

Document Verified by  
(Initials Only)

*[Handwritten Initials]*

Location	395 KENSINGTON	Date	JUNE 26/18
Operator (print)	MIKE / JAMIE		
Operator Signature	<i>[Handwritten Signature]</i>		

SAMPLE LOCATION	TYPE OF SAMPLE
<input type="checkbox"/> Kitchen	<input type="checkbox"/> Private Residential
<input type="checkbox"/> Bathroom	<input type="checkbox"/> Non-Residential
<input checked="" type="checkbox"/> Hydrant	<input checked="" type="checkbox"/> Distribution
<input type="checkbox"/> Sample Station	
<input type="checkbox"/> Flushing Station	
<input type="checkbox"/> Other:	
FILTER DEVICE	SAMPLE TAKEN
<input checked="" type="checkbox"/> No Filter Device	<input checked="" type="checkbox"/> Lead Sample #1
<input type="checkbox"/> Filter Device	<input type="checkbox"/> Lead Sample #2
<input type="checkbox"/> Bypass	<input checked="" type="checkbox"/> Alkalinity
<input type="checkbox"/> Filter Removed	<input checked="" type="checkbox"/> pH 8.32
<input type="checkbox"/> Other:	

Distance from Private or Non-Residential	N/A	Meters
Location from Private or Non-Residential	N/A	
Flushing Start Time	11:29 AM	
Time of First Sample Taken	11:43 AM	

Comments



## O.Reg. 170/03 Community Lead Testing – End of Period Report

(O. Reg. 170/03 under Schedule 15.1)

### Instructions

Please complete this form and fax/email directly to:

Ministry of the Environment  
Drinking Water Programs Branch

Fax: 416 212-0607

Email: [leadsubmission.moe@ontario.ca](mailto:leadsubmission.moe@ontario.ca)

Use this form to submit a report to the ministry as required under Section 15.1-9 (6.1) under Schedule 15.1 of O.Reg. 170/03. If you require assistance in completing the form report, please call 1 866 793-2588 (toll free).

The most current version of this form report is posted on the Ministry of the Environment web site at [www.ontario.ca/drinkingwater](http://www.ontario.ca/drinkingwater)

### Part A: Drinking Water System Information

1. Drinking Water System Name

Town of Tecumseh

2. Drinking Water System (DWS) Number (Ministry assigned 9 digits number starting with "2".)

260004969

3. Drinking Water System Owner

Town of Tecumseh

4. Report Period (Year: yyyy)

a) ☐ Summer (June 15th to October 15th) b) ☒ Winter (December 15th to April 15th) 5. Year: 2018

### Part B: Report Submission Information

	Plumbing	Distribution
6. Number of individual samples		4
7. Number of sampling points (Locations)		N/A
8. Number of individual sample exceedances		0
9. Number of sampling points with an exceedance during the period		N/A
10. Percentage of sample points with an exceedance		N/A
11. Is the system required to have a Corrosion Control Plan prepared under Section 15.1-11 under Schedule 15.1 of O.Reg.170/03?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
12. Do the reduced sampling & frequency requirements of Section 15.1-5 under Schedule 15.1 of O.Reg.170/03 apply to the system?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
13. Do the plumbing sample exemptions of Section 15.1-5 (9) under Schedule 15 of O.Reg.170/03 apply to the system?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

### Part C: Form Submission Information

I declare that all the information provided on this form and any attachment(s) is true and correct to the best of my knowledge.

Prepared by (print name)

Denis Berthiaume

Signature



Date (yyyy/mm/dd)

2018/12/21

Telephone No. (including area code)

519 818-9611

Collection of information on this form is collected by the Drinking Water Management Division on behalf of the Ministry of the Environment in accordance with the *Safe Drinking Water Act, 2002* (SDWA) and its regulations. The collection, use and dissemination of this information are governed by the *Freedom of Information and Protection of Privacy Act* (FOIPPA). The information gathered herein will be used for the purpose of corrosion control, and may be used for secondary purposes including reporting, investigating and law enforcement under the SDWA and its regulations. Information contained on this form, including personal information, may be disclosed to other government agencies including municipalities, public health unit employees, the Ministry of Health and Long Term Care, the Ministry of Education and the Ministry of Community and Social Services pursuant to section 42 of FOIPPA for the consistent purpose of administering programs related to drinking water safety.



[illegible]











**C.O.C.: DW1812181100-W**

**REPORT No. B18-38424**

**Report To:**

**Town of Tecumseh**  
 1189 LaCasse Blvd,  
 Tecumseh Ontario N8N 2C7 Canada

**Attention:** Denis Berthiaume

**Caduceon Environmental Laboratories**

3201 Marentette Ave. Unit #5  
 Windsor ON N8X 4G3

Tel: 519-966-9541

Fax: 519-966-9567

**DATE RECEIVED:** 18-Dec-18

**JOB/PROJECT NO.:** Town of Tecumseh

**DATE REPORTED:** 21-Dec-18

**P.O. NUMBER:**

**SAMPLE MATRIX:** Drinking Water

**WATERWORKS NO.** 260004969

Parameter			Alkalinity(Ca CO3) to pH4.5	Lead			
Units			mg/L	mg/L			
R.L.			5	0.00002			
Reference Method			SM 2320B	EPA 200.8			
Date Analyzed/Site			19-Dec-18/O	20-Dec-18/O			
Client I.D.	Sample I.D.	Date Collected					
305 Burdick	B18-38424-1	18-Dec-18	92	0.00003			
226 Coronado	B18-38424-2	18-Dec-18	89	0.00015			
1728 Shawnee	B18-38424-3	18-Dec-18	84	0.00004			
South/East St Anne & Maisonneuve	B18-38424-4	18-Dec-18	89	0.00009			



R.L. = Reporting Limit

Test methods are modified from specified reference method unless indicated by an \*

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill,B-Barrie

**Lorina Merko**  
 Lab Supervisor

The analytical results reported herein refer to the samples as received. Reproduction of this analytical report in full or in part is prohibited without prior consent from Caduceon Environmental Laboratories.



WATER DIVISION  
**COMMUNITY LEAD TESTING DATA SHEET**

\*\*\*PLEASE PRINT ALL INFORMATION\*\*\*

Document Verified by  
(Initials Only)

*NP*

Location	305 Burdick	Date	Dec 18, 2018
Operator (print)	Shawn Laporte, Mike Hardy		
Operator Signature	<i>SL</i>		

SAMPLE LOCATION	TYPE OF SAMPLE
<input type="checkbox"/> Kitchen	<input type="checkbox"/> Private Residential
<input type="checkbox"/> Bathroom	<input type="checkbox"/> Non-Residential
<input checked="" type="checkbox"/> Hydrant	<input checked="" type="checkbox"/> Distribution
<input type="checkbox"/> Sample Station	
<input type="checkbox"/> Flushing Station	
<input type="checkbox"/> Other:	
FILTER DEVICE	SAMPLE TAKEN
<input checked="" type="checkbox"/> No Filter Device	<input checked="" type="checkbox"/> Lead Sample #1
<input type="checkbox"/> Filter Device	<input type="checkbox"/> Lead Sample #2
<input type="checkbox"/> Bypass	<input checked="" type="checkbox"/> Alkalinity
<input type="checkbox"/> Filter Removed	<input checked="" type="checkbox"/> pH 6.92
<input checked="" type="checkbox"/> Other: Temperature 9.2 °C	

Distance from Private or Non-Residential	N/A	Meters
Location from Private or Non-Residential	N/A	
Flushing Start Time	9:00 AM	
Time of First Sample Taken	9:18 AM	

Comments



\*\*\*PLEASE PRINT ALL INFORMATION\*\*\*

Document Verified by  
(Initials Only)

MP

Location	226 Coronado	Date	Dec 18, 2018
Operator (print)	Shawn Laporte, Mike Hardy		
Operator Signature	SL		

SAMPLE LOCATION	TYPE OF SAMPLE
<input type="checkbox"/> Kitchen	<input type="checkbox"/> Private Residential
<input type="checkbox"/> Bathroom	<input type="checkbox"/> Non-Residential
<input checked="" type="checkbox"/> Hydrant	<input checked="" type="checkbox"/> Distribution
<input type="checkbox"/> Sample Station	
<input type="checkbox"/> Flushing Station	
<input type="checkbox"/> Other:	
FILTER DEVICE	SAMPLE TAKEN
<input checked="" type="checkbox"/> No Filter Device	<input checked="" type="checkbox"/> Lead Sample #1
<input type="checkbox"/> Filter Device	<input type="checkbox"/> Lead Sample #2
<input type="checkbox"/> Bypass	<input checked="" type="checkbox"/> Alkalinity
<input type="checkbox"/> Filter Removed	<input checked="" type="checkbox"/> pH 7.01
<input checked="" type="checkbox"/> Other: Temperature 8.2°C	8.2°C

Distance from Private or Non-Residential	N/A	Meters
Location from Private or Non-Residential	N/A	
Flushing Start Time	9:25 Am	
Time of First Sample Taken	9:44 Am	

Comments



**WATER DIVISION**  
**COMMUNITY LEAD TESTING DATA SHEET**

\*\*\*PLEASE PRINT ALL INFORMATION\*\*\*

Document Verified by  
(Initials Only)

ND

Location	1728 Shawnee	Date	Dec 18, 2018
Operator (print)	Shawn Laporte, Mike Hardy		
Operator Signature	SL		

SAMPLE LOCATION	TYPE OF SAMPLE
<input type="checkbox"/> Kitchen	<input type="checkbox"/> Private Residential
<input type="checkbox"/> Bathroom	<input type="checkbox"/> Non-Residential
<input checked="" type="checkbox"/> Hydrant	<input checked="" type="checkbox"/> Distribution
<input type="checkbox"/> Sample Station	
<input type="checkbox"/> Flushing Station	
<input type="checkbox"/> Other:	
FILTER DEVICE	SAMPLE TAKEN
<input checked="" type="checkbox"/> No Filter Device	<input checked="" type="checkbox"/> Lead Sample #1
<input type="checkbox"/> Filter Device	<input type="checkbox"/> Lead Sample #2
<input type="checkbox"/> Bypass	<input checked="" type="checkbox"/> Alkalinity
<input type="checkbox"/> Filter Removed	<input checked="" type="checkbox"/> pH 6.85
<input checked="" type="checkbox"/> Other: Temperature 7.5°C	

Distance from Private or Non-Residential	N/A	Meters
Location from Private or Non-Residential	N/A	
Flushing Start Time	10:00 Am	
Time of First Sample Taken	10:17 Am	

Comments



\*\*\*PLEASE PRINT ALL INFORMATION\*\*\*

Document Verified by  
(Initials Only)

MD

Location	S/E corner of St Anne & Maisonneuve	Date	Dec 18, 2018
Operator (print)	Shawn Laporte, Mike Hardy		
Operator Signature	SL		

SAMPLE LOCATION	TYPE OF SAMPLE
<input type="checkbox"/> Kitchen	<input type="checkbox"/> Private Residential
<input type="checkbox"/> Bathroom	<input type="checkbox"/> Non-Residential
<input checked="" type="checkbox"/> Hydrant	<input checked="" type="checkbox"/> Distribution
<input type="checkbox"/> Sample Station	
<input type="checkbox"/> Flushing Station	
<input type="checkbox"/> Other:	

FILTER DEVICE	SAMPLE TAKEN
<input checked="" type="checkbox"/> No Filter Device	<input checked="" type="checkbox"/> Lead Sample #1
<input type="checkbox"/> Filter Device	<input type="checkbox"/> Lead Sample #2
<input type="checkbox"/> Bypass	<input checked="" type="checkbox"/> Alkalinity
<input type="checkbox"/> Filter Removed	<input checked="" type="checkbox"/> pH 6.95
<input checked="" type="checkbox"/> Other: Temperature 9.4°C	

Distance from Private or Non-Residential	N/A	Meters
Location from Private or Non-Residential	N/A	
Flushing Start Time	10:23 Am	
Time of First Sample Taken	10:40 Am	

Comments



# EcoSense® pH10A Calibration Record

Date DD/MM/YYYY	Calibration	Operator	Comments
30/08/2017	3 POINT	TAS	- CALIBRATION, NEW PROBE INSTALLED.
28/07/2017	3 POINT	TAS	- ROUTINE CALIBRATION
29/09/2017	3 POINT	TAS	- ROUTINE CALIBRATION
02/10/2017	3 POINT	TAS	- ROUTINE CALIBRATION
04/10/2017		TAS	- BATTERIES REPLACED (357/303)
06/10/2017	3 POINT	TAS	- ROUTINE CALIBRATION
12/10/2017	3 POINT	TAS	- ROUTINE CALIBRATION
19/12/2017	3 POINT	GB	- ROUTINE CALIBRATION
06/03/2018	3 POINT	TAS	- ROUTINE CALIBRATION
21/03/2018	3 POINT	TAS	- ROUTINE CALIBRATION
25/06/2018	3 POINT	GB	- ROUTINE CALIBRATION
10/09/2018	3 POINT	TAS	- ROUTINE CALIBRATION
01/10/2018	3 POINT	TAS	- ROUTINE CALIBRATION
03/12/2018	3 POINT	TAS	- SET TIME
05/12/2018	SET TIME	TAS	- ROUTINE CALIBRATION
18/12/2018	3 POINT	OK	



# **Monthly Report Meter Chamber Flow Totals (NET)**

Town of Tecumseh Water System  
Report Name: 201801 Date: 22/01/2019  
Page: 1 of 1

Date: Jan-18

Day of the Month	MCT01 m3	MCT02 m3	MCT03 m3	MCT04 m3	MCT05 m3	MCT06 m3	MCT07 m3	MCT08 m3	MCT09 m3	MCT10 m3	MCT11 m3	MCT12 m3	System Total m3
1	928.0	486.0	1856.0	3046.0	0.0	-159.0	-69.0	403.0	510.0	902.0	-326.0	12.0	7589.0
2	915.0	502.0	1824.0	3032.0	0.0	-172.0	-79.0	414.0	539.0	1002.0	-58.0	13.0	7932.0
3	897.0	490.0	1775.0	2930.0	0.0	-179.0	-85.0	423.0	555.0	1034.0	-69.0	12.0	7783.0
4	876.0	472.0	1777.0	2935.0	0.0	-176.0	-87.0	409.0	535.0	1002.0	79.0	12.0	7834.0
5	882.0	479.0	1770.0	2961.0	0.0	-164.0	-70.0	393.0	522.0	971.0	174.0	13.0	7931.0
6	997.0	540.0	1949.0	3262.0	0.0	-152.0	-57.0	424.0	516.0	919.0	-119.0	13.0	8292.0
7	999.0	531.0	1950.0	3266.0	0.0	-143.0	-40.0	392.0	477.0	846.0	-216.0	12.0	8074.0
8	943.0	506.0	1855.0	3073.0	0.0	-195.0	-95.0	412.0	522.0	927.0	-114.0	10.0	7844.0
9	932.0	505.0	1826.0	3026.0	0.0	-175.0	-76.0	411.0	534.0	972.0	18.0	10.0	7983.0
10	922.0	503.0	1821.0	3001.0	0.0	-175.0	-79.0	405.0	528.0	959.0	-53.0	9.0	7841.0
11	894.0	484.0	1830.0	3026.0	0.0	-168.0	-66.0	412.0	516.0	943.0	-79.0	9.0	7801.0
12	856.0	475.0	1797.0	2958.0	0.0	-146.0	-50.0	380.0	488.0	901.0	-32.0	9.0	7636.0
13	960.0	522.0	1987.0	3286.0	0.0	-146.0	-57.0	431.0	510.0	897.0	-289.0	12.0	8113.0
14	963.0	524.0	1957.0	3279.0	0.0	-150.0	-52.0	412.0	504.0	890.0	-233.0	11.0	8105.0
15	899.0	494.0	1781.0	3000.0	0.0	-179.0	-88.0	396.0	511.0	934.0	-69.0	11.0	7690.0
16	903.0	495.0	1769.0	2972.0	0.0	-188.0	-92.0	373.0	497.0	919.0	63.0	12.0	7723.0
17	899.0	499.0	1796.0	3003.0	0.0	-169.0	-70.0	386.0	522.0	976.0	87.0	12.0	7941.0
18	905.0	502.0	1778.0	3013.0	0.0	-164.0	-65.0	378.0	505.0	974.0	73.0	11.0	7910.0
19	908.0	504.0	1783.0	3034.0	0.0	-167.0	-68.0	356.0	486.0	909.0	16.0	10.0	7771.0
20	995.0	547.0	1972.0	3342.0	0.0	-118.0	-19.0	384.0	466.0	840.0	-173.0	9.0	8245.0
21	967.0	521.0	1954.0	3239.0	0.0	-147.0	-35.0	372.0	470.0	820.0	-297.0	9.0	7873.0
22	864.0	470.0	1760.0	2895.0	0.0	-173.0	-70.0	370.0	516.0	1010.0	44.0	8.0	7694.0
23	884.0	484.0	1778.0	2915.0	0.0	-174.0	-73.0	386.0	523.0	1007.0	22.0	10.0	7762.0
24	886.0	487.0	1766.0	2918.0	0.0	-180.0	-77.0	386.0	525.0	1013.0	1.0	10.0	7735.0
25	888.0	485.0	1765.0	2917.0	0.0	-183.0	-83.0	369.0	514.0	996.0	24.0	10.0	7702.0
26	900.0	492.0	1781.0	2941.0	0.0	-154.0	-55.0	367.0	504.0	983.0	91.0	9.0	7859.0
27	982.0	527.0	1942.0	3190.0	0.0	-151.0	-58.0	400.0	492.0	928.0	-148.0	8.0	8112.0
28	989.0	528.0	1972.0	3259.0	0.0	-143.0	-28.0	387.0	474.0	877.0	-240.0	9.0	8084.0
29	872.0	477.0	1752.0	2859.0	0.0	-175.0	-65.0	363.0	499.0	972.0	30.0	11.0	7595.0
30	907.0	495.0	1765.0	2943.0	0.0	-211.0	-114.0	414.0	538.0	1039.0	-24.0	11.0	7763.0
31	906.0	485.0	1782.0	2975.0	0.0	-204.0	-106.0	415.0	548.0	1052.0	-87.0	10.0	7776.0
<b>Monthly Total</b>	<b>28,518.00</b>	<b>15,511.00</b>	<b>56,870.00</b>	<b>94,496.00</b>	<b>0.00</b>	<b>-5,180.00</b>	<b>-2,128.00</b>	<b>12,223.00</b>	<b>15,846.00</b>	<b>29,414.00</b>	<b>-1,904.00</b>	<b>327.00</b>	<b>243,993.00</b>



# Monthly Report Meter Chamber Flow Totals (NET)

Town of Tecumseh Water System  
Report Name: 201802 Date: 22/01/2019  
Page: 1 of 1

Date: Feb-18

Day of the Month	MCT01 m3	MCT02 m3	MCT03 m3	MCT04 m3	MCT05 m3	MCT06 m3	MCT07 m3	MCT08 m3	MCT09 m3	MCT10 m3	MCT11 m3	MCT12 m3	System Total m3
1	884.0	476.0	1752.0	2928.0	0.0	-180.0	-84.0	389.0	514.0	1003.0	57.0	10.0	7749.0
2	875.0	480.0	1739.0	2908.0	0.0	-162.0	-65.0	368.0	507.0	1015.0	245.0	12.0	7922.0
3	940.0	493.0	1895.0	3191.0	0.0	-161.0	-66.0	384.0	477.0	909.0	-82.0	11.0	7991.0
4	914.0	477.0	1871.0	3136.0	0.0	-128.0	-29.0	365.0	450.0	844.0	-197.0	11.0	7714.0
5	890.0	478.0	1728.0	2950.0	0.0	-215.0	-116.0	411.0	525.0	1007.0	61.0	11.0	7730.0
6	897.0	488.0	1728.0	2929.0	0.0	-177.0	-75.0	341.0	479.0	959.0	174.0	11.0	7754.0
7	865.0	475.0	1717.0	2905.0	0.0	-177.0	-80.0	349.0	490.0	955.0	146.0	10.0	7655.0
8	862.0	475.0	1705.0	2875.0	0.0	-168.0	-67.0	351.0	492.0	978.0	181.0	11.0	7695.0
9	833.0	455.0	1687.0	2837.0	0.0	-159.0	-64.0	366.0	492.0	971.0	158.0	10.0	7586.0
10	918.0	493.0	1852.0	3112.0	0.0	-140.0	-50.0	383.0	466.0	882.0	-117.0	11.0	7810.0
11	920.0	490.0	1876.0	3151.0	0.0	-121.0	-30.0	382.0	464.0	869.0	-202.0	10.0	7809.0
12	868.0	475.0	1711.0	2892.0	0.0	-178.0	-81.0	396.0	515.0	997.0	47.0	10.0	7652.0
13	871.0	469.0	1699.0	2855.0	0.0	-190.0	-90.0	390.0	519.0	1031.0	80.0	10.0	7644.0
14	891.0	489.0	1735.0	2918.0	0.0	-175.0	-77.0	395.0	512.0	1010.0	78.0	10.0	7786.0
15	849.0	470.0	1721.0	2894.0	0.0	-188.0	-85.0	407.0	538.0	1061.0	108.0	9.0	7784.0
16	848.0	467.0	1739.0	2907.0	0.0	-175.0	-78.0	392.0	519.0	1025.0	117.0	9.0	7770.0
17	904.0	479.0	1848.0	3106.0	0.0	-142.0	-51.0	386.0	471.0	900.0	-103.0	11.0	7809.0
18	855.0	461.0	1812.0	3041.0	0.0	-154.0	-55.0	387.0	455.0	843.0	-208.0	9.0	7446.0
19	860.0	454.0	1796.0	2998.0	0.0	-152.0	-58.0	383.0	474.0	903.0	-119.0	9.0	7548.0
20	863.0	475.0	1757.0	2939.0	0.0	-203.0	-103.0	428.0	542.0	1044.0	-52.0	8.0	7698.0
21	844.0	463.0	1749.0	2927.0	0.0	-188.0	-87.0	410.0	530.0	1033.0	41.0	9.0	7731.0
22	857.0	475.0	1729.0	2888.0	0.0	-173.0	-77.0	382.0	508.0	1008.0	81.0	10.0	7688.0
23	1117.0	643.0	1846.0	3042.0	0.0	-157.0	-63.0	375.0	495.0	977.0	152.0	9.0	8436.0
24	912.0	482.0	1841.0	3089.0	0.0	-131.0	-41.0	367.0	458.0	885.0	-34.0	10.0	7838.0
25	918.0	496.0	1872.0	3153.0	0.0	-123.0	-29.0	388.0	471.0	893.0	-167.0	9.0	7881.0
26	842.0	457.0	1702.0	2864.0	0.0	-169.0	-66.0	364.0	503.0	1012.0	171.0	9.0	7689.0
27	858.0	465.0	1716.0	2860.0	0.0	-185.0	-87.0	389.0	493.0	979.0	155.0	8.0	7651.0
28	837.0	454.0	1705.0	2818.0	0.0	-176.0	-71.0	364.0	497.0	990.0	180.0	8.0	7606.0
29													
30													
31													
Monthly Total	24,792.00	13,454.00	49,528.00	83,113.00	0.00	-4,647.00	-1,925.00	10,692.00	13,856.00	26,983.00	951.00	275.00	217,072.00

# **Monthly Report Meter Chamber Flow Totals (NET)**

Town of Tecumseh Water System  
Report Name: 201803 Date: 22/01/2019  
Page: 1 of 1

Date: Mar-18

Day of the Month	MCT01 m3	MCT02 m3	MCT03 m3	MCT04 m3	MCT05 m3	MCT06 m3	MCT07 m3	MCT08 m3	MCT09 m3	MCT10 m3	MCT11 m3	MCT12 m3	System Total m3
1	867.0	465.0	1727.0	2849.0	0.0	-173.0	-69.0	261.0	376.0	761.0	86.0	8.0	7158.0
2	864.0	478.0	1728.0	2903.0	0.0	-227.0	-127.0	385.0	478.0	918.0	4.0	8.0	7412.0
3	920.0	496.0	1882.0	3125.0	0.0	-142.0	-45.0	357.0	440.0	851.0	-64.0	10.0	7830.0
4	921.0	498.0	1898.0	3154.0	0.0	-141.0	-42.0	377.0	450.0	834.0	-249.0	9.0	7709.0
5	842.0	462.0	1731.0	2871.0	0.0	-154.0	-59.0	362.0	484.0	970.0	128.0	10.0	7647.0
6	860.0	469.0	1733.0	2888.0	0.0	-183.0	-85.0	381.0	512.0	1018.0	143.0	9.0	7745.0
7	857.0	463.0	1731.0	2841.0	0.0	-175.0	-77.0	376.0	500.0	1007.0	166.0	10.0	7699.0
8	864.0	475.0	1719.0	2877.0	0.0	-168.0	-74.0	396.0	517.0	1025.0	78.0	10.0	7719.0
9	849.0	471.0	1720.0	2842.0	0.0	-139.0	-42.0	353.0	477.0	942.0	130.0	10.0	7613.0
10	926.0	500.0	1882.0	3106.0	0.0	-133.0	-41.0	373.0	450.0	819.0	-149.0	10.0	7743.0
11	862.0	470.0	1788.0	2942.0	0.0	-136.0	-40.0	354.0	419.0	749.0	-193.0	9.0	7224.0
12	822.0	443.0	1677.0	2743.0	0.0	-176.0	-75.0	349.0	466.0	882.0	101.0	10.0	7242.0
13	812.0	447.0	1658.0	2726.0	0.0	-177.0	-71.0	338.0	459.0	886.0	157.0	10.0	7245.0
14	807.0	447.0	1671.0	2762.0	0.0	-178.0	-78.0	364.0	489.0	910.0	124.0	10.0	7328.0
15	819.0	449.0	1667.0	2759.0	0.0	-169.0	-69.0	344.0	463.0	886.0	142.0	9.0	7300.0
16	833.0	456.0	1702.0	2818.0	0.0	-178.0	-79.0	346.0	454.0	871.0	137.0	10.0	7370.0
17	892.0	482.0	1847.0	3023.0	0.0	-125.0	-31.0	341.0	434.0	801.0	-74.0	9.0	7599.0
18	939.0	502.0	1891.0	3204.0	0.0	-167.0	-68.0	397.0	474.0	824.0	-335.0	9.0	7670.0
19	854.0	456.0	1714.0	2850.0	0.0	-166.0	-70.0	360.0	494.0	951.0	131.0	9.0	7583.0
20	848.0	460.0	1703.0	2835.0	0.0	-177.0	-78.0	378.0	508.0	921.0	155.0	10.0	7563.0
21	857.0	469.0	1705.0	2859.0	0.0	-195.0	-94.0	388.0	496.0	846.0	243.0	10.0	7584.0
22	844.0	467.0	1689.0	2836.0	0.0	-189.0	-90.0	371.0	507.0	923.0	128.0	10.0	7496.0
23	851.0	468.0	1690.0	2827.0	0.0	-195.0	-98.0	367.0	487.0	903.0	89.0	9.0	7398.0
24	945.0	513.0	1872.0	3121.0	0.0	-150.0	-52.0	385.0	479.0	853.0	-163.0	10.0	7813.0
25	900.0	484.0	1869.0	3099.0	0.0	-135.0	-26.0	362.0	453.0	808.0	-219.0	11.0	7606.0
26	936.0	520.0	1780.0	2948.0	0.0	-178.0	-74.0	353.0	488.0	925.0	64.0	9.0	7771.0
27	855.0	477.0	1719.0	2848.0	0.0	-175.0	-71.0	365.0	484.0	896.0	19.0	9.0	7426.0
28	860.0	468.0	508.0	2839.0	0.0	-175.0	-78.0	373.0	510.0	955.0	127.0	9.0	6396.0
29	823.0	446.0	-1180.0	2741.0	0.0	-173.0	-75.0	362.0	481.0	880.0	51.0	9.0	4365.0
30	900.0	480.0	-1033.0	3052.0	0.0	-109.0	-20.0	348.0	454.0	799.0	-270.0	9.0	4610.0
31	883.0	468.0	-979.0	2991.0	0.0	-95.0	-9.0	347.0	431.0	759.0	-276.0	10.0	4530.0
<b>Monthly Total</b>	<b>26,912.00</b>	<b>14,649.00</b>	<b>44,709.00</b>	<b>90,279.00</b>	<b>0.00</b>	<b>-5,053.00</b>	<b>-2,007.00</b>	<b>11,213.00</b>	<b>14,614.00</b>	<b>27,373.00</b>	<b>411.00</b>	<b>294.00</b>	<b>223,394.00</b>

# Monthly Report Meter Chamber Flow Totals (NET)

Town of Tecumseh Water System  
Report Name: 201804 Date: 22/01/2019  
Page: 1 of 1

Date: Apr-18

Day of the Month	MCT01 m3	MCT02 m3	MCT03 m3	MCT04 m3	MCT05 m3	MCT06 m3	MCT07 m3	MCT08 m3	MCT09 m3	MCT10 m3	MCT11 m3	MCT12 m3	System Total m3
1	890.0	474.0	-884.0	3021.0	0.0	-139.0	-40.0	362.0	452.0	773.0	-333.0	9.0	4585.0
2	891.0	485.0	-816.0	2990.0	0.0	-175.0	-77.0	385.0	502.0	896.0	-34.0	9.0	5056.0
3	860.0	467.0	-673.0	2820.0	0.0	-168.0	-72.0	356.0	490.0	912.0	142.0	10.0	5144.0
4	859.0	464.0	-633.0	2844.0	0.0	-166.0	-56.0	352.0	498.0	926.0	152.0	9.0	5249.0
5	873.0	477.0	-738.0	2899.0	0.0	-179.0	-72.0	363.0	497.0	899.0	94.0	10.0	5123.0
6	925.0	514.0	-683.0	2950.0	0.0	-168.0	-70.0	366.0	484.0	878.0	61.0	9.0	5266.0
7	1016.0	556.0	-509.0	3272.0	0.0	-119.0	-21.0	384.0	471.0	811.0	-212.0	10.0	5659.0
8	1014.0	553.0	-536.0	3269.0	0.0	-139.0	-36.0	367.0	461.0	790.0	-264.0	9.0	5488.0
9	935.0	522.0	-548.0	2974.0	0.0	-179.0	-75.0	365.0	506.0	918.0	49.0	10.0	5477.0
10	946.0	519.0	-404.0	2967.0	0.0	-195.0	-87.0	379.0	523.0	973.0	55.0	9.0	5685.0
11	898.0	497.0	4886.0	2910.0	0.0	-178.0	-67.0	361.0	502.0	933.0	106.0	8.0	10856.0
12	908.0	507.0	20938.0	2954.0	0.0	-186.0	-69.0	353.0	500.0	928.0	111.0	8.0	26952.0
13	900.0	502.0	7753.0	2936.0	0.0	-205.0	-93.0	361.0	478.0	877.0	39.0	8.0	13556.0
14	966.0	531.0	0.0	3176.0	0.0	-150.0	-53.0	373.0	458.0	815.0	-215.0	9.0	5910.0
15	976.0	529.0	17489.0	3235.0	0.0	-181.0	-76.0	442.0	523.0	910.0	-506.0	10.0	23351.0
16	924.0	521.0	24990.0	2971.0	0.0	-164.0	-61.0	368.0	493.0	920.0	-36.0	10.0	30936.0
17	921.0	521.0	23282.0	2966.0	0.0	-184.0	-81.0	388.0	519.0	952.0	-100.0	10.0	29194.0
18	945.0	535.0	23739.0	3005.0	0.0	-152.0	-50.0	353.0	491.0	909.0	-24.0	10.0	29761.0
19	960.0	539.0	17368.0	3060.0	0.0	-172.0	-73.0	372.0	513.0	968.0	37.0	10.0	23582.0
20	991.0	552.0	706.0	3120.0	0.0	-192.0	-94.0	385.0	509.0	933.0	16.0	9.0	6935.0
21	1054.0	576.0	1033.0	3355.0	0.0	-90.0	3.0	330.0	441.0	806.0	-103.0	9.0	7414.0
22	1083.0	590.0	1090.0	3462.0	0.0	-125.0	-35.0	404.0	498.0	856.0	-382.0	9.0	7450.0
23	923.0	515.0	954.0	3056.0	0.0	-160.0	-52.0	349.0	488.0	924.0	83.0	8.0	7088.0
24	902.0	508.0	1050.0	2992.0	0.0	-163.0	-64.0	364.0	504.0	975.0	171.0	9.0	7248.0
25	950.0	542.0	1129.0	3074.0	0.0	-158.0	-64.0	402.0	513.0	1003.0	49.0	8.0	7448.0
26	983.0	562.0	1178.0	3130.0	0.0	-181.0	-77.0	398.0	526.0	1021.0	43.0	8.0	7591.0
27	982.0	562.0	1173.0	3153.0	0.0	-144.0	-42.0	344.0	482.0	965.0	198.0	9.0	7682.0
28	1016.0	566.0	1229.0	3251.0	0.0	-82.0	8.0	370.0	453.0	883.0	-98.0	10.0	7606.0
29	1071.0	596.0	1266.0	3474.0	0.0	-119.0	-18.0	416.0	492.0	918.0	-325.0	9.0	7780.0
30	1444.0	817.0	1518.0	3965.0	0.0	-386.0	-275.0	429.0	558.0	1086.0	73.0	8.0	9237.0
31													
Monthly Total	29,006.00	16,099.00	#####	93,251.00	0.00	-4,999.00	-1,939.00	11,241.00	14,825.00	27,358.00	-1,153.00	273.00	330,309.00



# **Monthly Report Meter Chamber Flow Totals (NET)**

Town of Tecumseh Water System  
Report Name: 201805 Date: 22/01/2019  
Page: 1 of 1

Date: May-18

Day of the Month	MCT01 m3	MCT02 m3	MCT03 m3	MCT04 m3	MCT05 m3	MCT06 m3	MCT07 m3	MCT08 m3	MCT09 m3	MCT10 m3	MCT11 m3	MCT12 m3	System Total m3
1	1340.0	748.0	1385.0	3885.0	0.0	-473.0	-358.0	414.0	561.0	1108.0	121.0	7.0	8738.0
2	1023.0	569.0	398.0	3292.0	0.0	-201.0	-89.0	430.0	583.0	1114.0	-25.0	7.0	7101.0
3	1012.0	579.0	-947.0	3165.0	0.0	-153.0	-48.0	351.0	502.0	998.0	151.0	7.0	5617.0
4	1052.0	593.0	-574.0	3162.0	0.0	-120.0	-33.0	339.0	490.0	975.0	167.0	7.0	6058.0
5	1257.0	682.0	-403.0	3732.0	0.0	-98.0	-1.0	409.0	527.0	978.0	-262.0	7.0	6828.0
6	1203.0	648.0	-528.0	3642.0	0.0	-139.0	-32.0	417.0	511.0	920.0	-364.0	8.0	6286.0
7	1182.0	651.0	-488.0	3486.0	0.0	-165.0	-69.0	362.0	503.0	999.0	156.0	7.0	6624.0
8	1295.0	743.0	-212.0	3774.0	0.0	-155.0	-49.0	414.0	549.0	1068.0	72.0	7.0	7506.0
9	1288.0	744.0	-515.0	3729.0	0.0	-152.0	-60.0	418.0	557.0	1092.0	134.0	7.0	7242.0
10	1153.0	675.0	484.0	3516.0	0.0	-137.0	-66.0	384.0	526.0	1058.0	151.0	7.0	7751.0
11	1109.0	637.0	1398.0	3383.0	0.0	-146.0	-66.0	382.0	492.0	966.0	56.0	9.0	8220.0
12	1100.0	614.0	1368.0	3444.0	0.0	-132.0	-31.0	373.0	469.0	911.0	-116.0	9.0	8009.0
13	1065.0	620.0	1409.0	3593.0	0.0	-118.0	-33.0	411.0	492.0	912.0	-317.0	8.0	8042.0
14	1095.0	625.0	1246.0	3437.0	0.0	-182.0	-97.0	430.0	550.0	1048.0	-143.0	7.0	8016.0
15	1106.0	606.0	1108.0	3331.0	0.0	-222.0	-133.0	449.0	581.0	1112.0	-210.0	7.0	7735.0
16	1147.0	633.0	1153.0	3546.0	0.0	-218.0	-135.0	483.0	602.0	1147.0	-289.0	7.0	8076.0
17	1160.0	636.0	1136.0	3620.0	0.0	-126.0	-61.0	402.0	546.0	1063.0	-12.0	7.0	8371.0
18	1140.0	635.0	1156.0	3503.0	0.0	-111.0	-70.0	412.0	537.0	1044.0	-54.0	7.0	8199.0
19	1169.0	648.0	1195.0	3533.0	0.0	-106.0	-26.0	389.0	499.0	916.0	-290.0	7.0	7934.0
20	1091.0	596.0	1136.0	3431.0	0.0	-106.0	-22.0	409.0	488.0	881.0	-405.0	7.0	7506.0
21	1167.0	638.0	1261.0	3639.0	0.0	-98.0	-22.0	374.0	498.0	912.0	-360.0	8.0	8017.0
22	1105.0	606.0	1164.0	3333.0	0.0	-150.0	-70.0	361.0	487.0	991.0	36.0	7.0	7870.0
23	1402.0	812.0	1556.0	3866.0	0.0	-90.0	-23.0	213.0	350.0	1053.0	49.0	6.0	9194.0
24	1471.0	837.0	7337.0	4084.0	0.0	-159.0	-88.0	478.0	622.0	1167.0	-101.0	6.0	15654.0
25	1506.0	864.0	11134.0	4263.0	0.0	-128.0	-60.0	460.0	608.0	1167.0	11.0	6.0	19831.0
26	1497.0	801.0	-1142.0	4243.0	0.0	-93.0	-50.0	445.0	556.0	1022.0	-300.0	6.0	6985.0
27	1654.0	876.0	-226.0	4952.0	0.0	-86.0	-62.0	493.0	633.0	1118.0	-506.0	5.0	8851.0
28	1575.0	827.0	21489.0	4580.0	0.0	-179.0	-102.0	532.0	685.0	1254.0	-198.0	4.0	30467.0
29	1766.0	925.0	23689.0	4790.0	0.0	-102.0	-19.0	483.0	667.0	1293.0	-50.0	5.0	33447.0
30	1517.0	851.0	22309.0	4430.0	0.0	-177.0	-92.0	538.0	702.0	1301.0	-323.0	6.0	31062.0
31	1548.0	872.0	18169.0	4558.0	0.0	-167.0	-75.0	497.0	656.0	1250.0	-106.0	5.0	27207.0
<b>Monthly Total</b>	39,195.00	21,791.00	#####	#####	0.00	-4,689.00	-2,142.00	12,952.00	17,029.00	32,838.00	-3,327.00	210.00	348,444.00

# **Monthly Report Meter Chamber Flow Totals (NET)**

Town of Tecumseh Water System  
Report Name: 201806 Date: 22/01/2019  
Page: 1 of 1

Date: Jun-18

Day of the Month	MCT01 m3	MCT02 m3	MCT03 m3	MCT04 m3	MCT05 m3	MCT06 m3	MCT07 m3	MCT08 m3	MCT09 m3	MCT10 m3	MCT11 m3	MCT12 m3	System Total m3
1	1577.0	862.0	16536.0	4619.0	0.0	-178.0	-98.0	492.0	651.0	1253.0	-126.0	5.0	25593.0
2	1461.0	799.0	14762.0	4489.0	0.0	-92.0	-12.0	462.0	581.0	1083.0	-322.0	7.0	23218.0
3	1459.0	798.0	13947.0	4435.0	0.0	-126.0	-37.0	382.0	480.0	1023.0	-375.0	6.0	21992.0
4	1467.0	788.0	13624.0	4409.0	0.0	-144.0	-63.0	392.0	580.0	1308.0	-141.0	7.0	22227.0
5	1573.0	892.0	11744.0	4407.0	0.0	-163.0	-95.0	511.0	678.0	1325.0	41.0	6.0	20919.0
6	1977.0	1153.0	12568.0	5263.0	0.0	-106.0	-42.0	511.0	677.0	1306.0	-54.0	7.0	23260.0
7	1510.0	862.0	12525.0	4612.0	0.0	-127.0	-67.0	499.0	676.0	1314.0	42.0	5.0	21851.0
8	1521.0	838.0	13802.0	4738.0	0.0	-127.0	-53.0	497.0	673.0	1289.0	-62.0	6.0	23122.0
9	1302.0	730.0	14926.0	4166.0	0.0	-172.0	-108.0	517.0	612.0	1105.0	-489.0	6.0	22595.0
10	1244.0	708.0	17447.0	3955.0	0.0	-99.0	-29.0	407.0	504.0	938.0	-319.0	7.0	24763.0
11	1613.0	881.0	17986.0	4730.0	0.0	-90.0	-32.0	481.0	662.0	1294.0	-157.0	6.0	27374.0
12	1558.0	814.0	18094.0	4669.0	0.0	-179.0	-90.0	536.0	703.0	1348.0	-130.0	5.0	27328.0
13	1638.0	846.0	9253.0	5007.0	0.0	-202.0	-125.0	641.0	633.0	1301.0	-95.0	6.0	18903.0
14	2135.0	1124.0	2356.0	5945.0	0.0	-315.0	-221.0	711.0	903.0	1649.0	-456.0	5.0	13836.0
15	1908.0	984.0	2414.0	6052.0	0.0	-478.0	-391.0	877.0	1032.0	1786.0	-964.0	5.0	13225.0
16	1659.0	872.0	2244.0	5161.0	0.0	-154.0	-100.0	627.0	797.0	1412.0	-653.0	6.0	11871.0
17	1973.0	1025.0	1720.0	5948.0	0.0	-87.0	-12.0	658.0	851.0	1486.0	-846.0	4.0	12720.0
18	2063.0	1094.0	1697.0	5882.0	0.0	-203.0	-123.0	697.0	958.0	1765.0	-574.0	4.0	13260.0
19	1578.0	866.0	2606.0	4442.0	0.0	-196.0	-112.0	511.0	703.0	1324.0	-59.0	6.0	11669.0
20	1544.0	871.0	2989.0	4324.0	0.0	-130.0	-72.0	438.0	616.0	1217.0	78.0	6.0	11881.0
21	1569.0	865.0	2672.0	4305.0	0.0	-135.0	-132.0	472.0	646.0	1292.0	249.0	6.0	11809.0
22	1510.0	823.0	3116.0	4276.0	0.0	-87.0	-69.0	403.0	582.0	1154.0	152.0	6.0	11866.0
23	1477.0	794.0	2569.0	4305.0	0.0	-59.0	-49.0	433.0	557.0	1047.0	-170.0	6.0	10910.0
24	1391.0	794.0	2636.0	4173.0	0.0	-92.0	-73.0	421.0	531.0	983.0	-178.0	6.0	10592.0
25	1645.0	874.0	2912.0	4435.0	0.0	-67.0	-56.0	433.0	609.0	1191.0	226.0	6.0	12208.0
26	1767.0	923.0	2491.0	4739.0	0.0	-71.0	-43.0	448.0	624.0	1223.0	142.0	6.0	12249.0
27	1825.0	1098.0	2665.0	4879.0	0.0	-116.0	-102.0	457.0	622.0	1216.0	106.0	6.0	12656.0
28	2131.0	1295.0	2041.0	5846.0	0.0	-122.0	-110.0	473.0	648.0	1266.0	259.0	5.0	13732.0
29	2365.0	1400.0	1731.0	6789.0	0.0	-106.0	-88.0	502.0	697.0	1366.0	40.0	5.0	14701.0
30	2527.0	1459.0	1470.0	7246.0	0.0	-43.0	-22.0	545.0	720.0	1340.0	-306.0	4.0	14940.0
31													
<b>Monthly Total</b>	50,967.00	28,132.00	#####	#####	0.00	-4,266.00	-2,626.00	15,434.00	20,206.00	38,604.00	-5,141.00	171.00	517,270.00

# **Monthly Report Meter Chamber Flow Totals (NET)**

Town of Tecumseh Water System  
Report Name: 201807 Date: 22/01/2019  
Page: 1 of 1

Date: Jul-18

Day of the Month	MCT01 m3	MCT02 m3	MCT03 m3	MCT04 m3	MCT05 m3	MCT06 m3	MCT07 m3	MCT08 m3	MCT09 m3	MCT10 m3	MCT11 m3	MCT12 m3	System Total m3
1	2725.0	1654.0	1445.0	7543.0	0.0	-59.0	-29.0	545.0	715.0	1293.0	-313.0	5.0	15524.0
2	2831.0	1645.0	1575.0	7906.0	0.0	-10.0	-15.0	544.0	771.0	1410.0	-326.0	4.0	16335.0
3	2806.0	1665.0	1797.0	7642.0	0.0	-108.0	-105.0	574.0	780.0	1483.0	43.0	5.0	16582.0
4	2911.0	1765.0	1471.0	7916.0	0.0	-101.0	-102.0	571.0	820.0	1577.0	-74.0	4.0	16758.0
5	2411.0	1420.0	1526.0	6553.0	0.0	-141.0	-116.0	551.0	663.0	1337.0	97.0	4.0	14305.0
6	1832.0	960.0	2410.0	5526.0	0.0	-35.0	-25.0	483.0	426.0	1048.0	415.0	6.0	13046.0
7	2300.0	1217.0	2452.0	6421.0	0.0	85.0	86.0	493.0	647.0	1197.0	-247.0	6.0	14657.0
8	2200.0	1132.0	2137.0	6310.0	0.0	-1.0	-4.0	595.0	719.0	1229.0	-482.0	5.0	13840.0
9	2049.0	1012.0	1861.0	6103.0	0.0	-36.0	-30.0	576.0	778.0	1468.0	-100.0	5.0	13686.0
10	2220.0	1164.0	2051.0	6223.0	0.0	-82.0	-84.0	642.0	855.0	1628.0	-196.0	5.0	14426.0
11	2411.0	1359.0	2227.0	6559.0	0.0	-137.0	-120.0	623.0	861.0	1613.0	-184.0	5.0	15217.0
12	2287.0	1283.0	2138.0	6446.0	0.0	-137.0	-76.0	637.0	850.0	1604.0	-327.0	6.0	14711.0
13	2204.0	1147.0	1939.0	6456.0	0.0	-34.0	-22.0	595.0	819.0	1579.0	-235.0	4.0	14452.0
14	2472.0	1302.0	1972.0	6862.0	0.0	-35.0	-34.0	644.0	808.0	1441.0	-651.0	5.0	14786.0
15	2337.0	1240.0	1657.0	6484.0	0.0	-84.0	-84.0	636.0	799.0	1393.0	-733.0	4.0	13649.0
16	1867.0	1041.0	1918.0	5440.0	0.0	-159.0	-171.0	594.0	815.0	1535.0	-300.0	5.0	12585.0
17	2190.0	1176.0	1936.0	6208.0	0.0	-113.0	-129.0	640.0	861.0	1628.0	-292.0	5.0	14110.0
18	2301.0	1296.0	2317.0	6450.0	0.0	-160.0	-179.0	685.0	903.0	1678.0	-547.0	5.0	14749.0
19	2322.0	1330.0	2155.0	6342.0	0.0	-110.0	-132.0	670.0	888.0	1691.0	-255.0	5.0	14906.0
20	2109.0	1196.0	2441.0	5566.0	0.0	-87.0	-72.0	534.0	715.0	1388.0	-135.0	6.0	13661.0
21	1832.0	995.0	2823.0	4844.0	0.0	-94.0	-67.0	462.0	587.0	1118.0	-216.0	5.0	12289.0
22	1812.0	1001.0	3101.0	4815.0	0.0	-124.0	-98.0	464.0	567.0	1026.0	-340.0	7.0	12231.0
23	1921.0	1105.0	2456.0	5028.0	0.0	-136.0	-111.0	517.0	684.0	1307.0	-93.0	5.0	12683.0
24	1910.0	1012.0	2040.0	5236.0	0.0	-118.0	-98.0	501.0	699.0	1346.0	50.0	5.0	12583.0
25	2216.0	1258.0	1840.0	5971.0	0.0	-64.0	-74.0	565.0	784.0	1478.0	-97.0	5.0	13882.0
26	2020.0	1162.0	2270.0	5285.0	0.0	-99.0	-94.0	490.0	677.0	1318.0	62.0	5.0	13096.0
27	1837.0	975.0	2444.0	5212.0	0.0	-88.0	-90.0	516.0	711.0	1394.0	-92.0	6.0	12825.0
28	2066.0	1039.0	2347.0	5844.0	0.0	-31.0	-33.0	569.0	729.0	1362.0	-479.0	6.0	13419.0
29	2025.0	974.0	2219.0	5880.0	0.0	-21.0	-26.0	542.0	704.0	1290.0	-342.0	5.0	13250.0
30	1719.0	878.0	2496.0	5181.0	0.0	-168.0	-176.0	580.0	791.0	1527.0	-112.0	5.0	12721.0
31	1442.0	724.0	2710.0	4405.0	0.0	-194.0	-209.0	527.0	727.0	1436.0	-27.0	6.0	11547.0
<b>Monthly Total</b>	<b>67,585.00</b>	<b>37,127.00</b>	<b>66,171.00</b>	<b>#####</b>	<b>0.00</b>	<b>-2,681.00</b>	<b>-2,519.00</b>	<b>17,565.00</b>	<b>23,153.00</b>	<b>43,822.00</b>	<b>-6,528.00</b>	<b>159.00</b>	<b>432,511.00</b>

# **Monthly Report Meter Chamber Flow Totals (NET)**

Town of Tecumseh Water System  
Report Name: 201808 Date: 22/01/2019  
Page: 1 of 1

Date: Aug-18

Day of the Month	MCT01 m3	MCT02 m3	MCT03 m3	MCT04 m3	MCT05 m3	MCT06 m3	MCT07 m3	MCT08 m3	MCT09 m3	MCT10 m3	MCT11 m3	MCT12 m3	System Total m3
1	1399.0	780.0	2542.0	4106.0	0.0	-145.0	-149.0	423.0	611.0	1222.0	208.0	6.0	11003.0
2	1448.0	770.0	2202.0	4341.0	0.0	-199.0	-196.0	469.0	642.0	1268.0	179.0	5.0	10929.0
3	1723.0	889.0	1945.0	5110.0	0.0	-189.0	-190.0	494.0	686.0	1357.0	122.0	5.0	11952.0
4	1876.0	936.0	1783.0	5601.0	0.0	-108.0	-97.0	545.0	700.0	1323.0	-230.0	5.0	12334.0
5	1812.0	891.0	1705.0	5502.0	0.0	-155.0	-143.0	556.0	726.0	1366.0	-335.0	4.0	11929.0
6	1674.0	843.0	2078.0	4996.0	0.0	-221.0	-219.0	526.0	704.0	1347.0	-330.0	5.0	11403.0
7	1348.0	746.0	2169.0	4066.0	0.0	-222.0	-226.0	456.0	644.0	1310.0	57.0	5.0	10353.0
8	1653.0	956.0	2078.0	4626.0	0.0	-159.0	-162.0	463.0	665.0	1320.0	39.0	5.0	11484.0
9	1685.0	965.0	2075.0	4769.0	0.0	-169.0	-174.0	496.0	707.0	1400.0	81.0	5.0	11840.0
10	1823.0	1085.0	2123.0	5015.0	0.0	-165.0	-170.0	499.0	714.0	1442.0	-1.0	5.0	12370.0
11	2028.0	1124.0	2011.0	5558.0	0.0	-67.0	-87.0	516.0	729.0	1446.0	-236.0	6.0	13028.0
12	1893.0	1020.0	2030.0	5611.0	0.0	-120.0	-134.0	587.0	778.0	1478.0	-459.0	5.0	12689.0
13	2135.0	1172.0	1943.0	5941.0	0.0	-180.0	-201.0	624.0	860.0	1676.0	-307.0	5.0	13668.0
14	2283.0	1260.0	1839.0	6156.0	0.0	-168.0	-203.0	592.0	818.0	1567.0	-143.0	5.0	14006.0
15	2282.0	1312.0	1826.0	6081.0	0.0	-160.0	-196.0	566.0	815.0	1583.0	-124.0	5.0	13990.0
16	1959.0	1147.0	2649.0	5018.0	0.0	-149.0	-168.0	475.0	690.0	1347.0	-27.0	6.0	12947.0
17	1858.0	1083.0	2228.0	4896.0	0.0	-148.0	-150.0	472.0	669.0	1307.0	7.0	5.0	12227.0
18	1892.0	1101.0	1984.0	5064.0	0.0	-58.0	-54.0	423.0	586.0	1145.0	31.0	5.0	12119.0
19	1974.0	1058.0	2125.0	5315.0	0.0	-65.0	-50.0	474.0	628.0	1186.0	-138.0	5.0	12512.0
20	1921.0	1035.0	2355.0	5133.0	0.0	-124.0	-117.0	459.0	658.0	1336.0	237.0	6.0	12899.0
21	1921.0	1071.0	2267.0	4859.0	0.0	-121.0	-115.0	415.0	603.0	1242.0	270.0	5.0	12417.0
22	2059.0	1202.0	2650.0	5238.0	0.0	-118.0	-134.0	440.0	633.0	1293.0	167.0	6.0	13436.0
23	2173.0	1284.0	2486.0	5485.0	0.0	-100.0	-97.0	455.0	657.0	1329.0	139.0	6.0	13817.0
24	2037.0	1180.0	2507.0	5358.0	0.0	-130.0	-131.0	485.0	701.0	1401.0	62.0	6.0	13476.0
25	1905.0	1034.0	2560.0	4912.0	0.0	-38.0	-41.0	399.0	560.0	1111.0	-86.0	6.0	12322.0
26	1909.0	1100.0	2032.0	5100.0	0.0	-36.0	-28.0	400.0	566.0	1099.0	-117.0	5.0	12030.0
27	2033.0	1124.0	1756.0	5394.0	0.0	-157.0	-156.0	526.0	727.0	1407.0	-106.0	5.0	12553.0
28	2266.0	1264.0	1613.0	5837.0	0.0	-142.0	-163.0	426.0	660.0	1327.0	121.0	4.0	13213.0
29	2433.0	1431.0	1815.0	6253.0	0.0	-262.0	-306.0	258.0	440.0	1041.0	715.0	5.0	13823.0
30	2472.0	1455.0	2433.0	6229.0	0.0	-106.0	-140.0	542.0	743.0	1437.0	-277.0	6.0	14794.0
31	2449.0	1407.0	2389.0	6377.0	0.0	-59.0	-82.0	589.0	790.0	1518.0	-414.0	5.0	14969.0
<b>Monthly Total</b>	<b>60,323.00</b>	<b>33,725.00</b>	<b>66,198.00</b>	<b>#####</b>	<b>0.00</b>	<b>-4,240.00</b>	<b>-4,479.00</b>	<b>15,050.00</b>	<b>21,110.00</b>	<b>41,631.00</b>	<b>-895.00</b>	<b>162.00</b>	<b>392,532.00</b>



# **Monthly Report Meter Chamber Flow Totals (NET)**

Town of Tecumseh Water System  
Report Name: 201809 Date: 22/01/2019  
Page: 1 of 1

Date: Sep-18

Day of the Month	MCT01 m3	MCT02 m3	MCT03 m3	MCT04 m3	MCT05 m3	MCT06 m3	MCT07 m3	MCT08 m3	MCT09 m3	MCT10 m3	MCT11 m3	MCT12 m3	System Total m3
1	2363.0	1315.0	2209.0	6069.0	0.0	-47.0	-69.0	531.0	682.0	1267.0	-386.0	5.0	13939.0
2	1942.0	1116.0	1761.0	5161.0	0.0	-86.0	-92.0	429.0	406.0	834.0	126.0	5.0	11602.0
3	2176.0	1201.0	1955.0	5629.0	0.0	-42.0	-47.0	455.0	636.0	1175.0	-442.0	5.0	12701.0
4	2014.0	1179.0	1626.0	5080.0	0.0	-108.0	-112.0	408.0	607.0	1210.0	73.0	5.0	11982.0
5	2190.0	1288.0	1483.0	5510.0	0.0	-117.0	-110.0	458.0	678.0	1337.0	99.0	4.0	12820.0
6	1995.0	1181.0	2552.0	4994.0	0.0	-116.0	-100.0	444.0	629.0	1253.0	95.0	6.0	12933.0
7	2032.0	1166.0	2868.0	5172.0	0.0	-84.0	-73.0	430.0	624.0	1237.0	85.0	6.0	13463.0
8	1904.0	1047.0	3279.0	4969.0	0.0	-47.0	-32.0	420.0	567.0	1090.0	-147.0	7.0	13057.0
9	1890.0	1045.0	3726.0	4958.0	0.0	-59.0	-42.0	451.0	561.0	1037.0	-308.0	8.0	13267.0
10	1903.0	1106.0	3527.0	4694.0	0.0	-50.0	-39.0	383.0	544.0	1103.0	128.0	7.0	13306.0
11	2194.0	1291.0	2656.0	5173.0	0.0	-48.0	-37.0	407.0	579.0	1168.0	108.0	6.0	13497.0
12	2177.0	1278.0	2808.0	5198.0	0.0	-80.0	-66.0	431.0	595.0	1183.0	36.0	6.0	13566.0
13	2110.0	1267.0	2881.0	5061.0	0.0	-82.0	-68.0	412.0	576.0	1148.0	3.0	6.0	13314.0
14	2262.0	1307.0	2128.0	5519.0	0.0	-27.0	-17.0	405.0	563.0	1120.0	-32.0	6.0	13234.0
15	2218.0	1247.0	1996.0	5624.0	0.0	-73.0	-58.0	507.0	638.0	1189.0	-562.0	5.0	12731.0
16	2136.0	1241.0	1967.0	5633.0	0.0	-44.0	-16.0	470.0	600.0	1112.0	-439.0	5.0	12665.0
17	2363.0	1396.0	2009.0	5766.0	0.0	-114.0	-100.0	496.0	689.0	1344.0	-239.0	5.0	13615.0
18	2242.0	1326.0	2130.0	5471.0	0.0	-52.0	-44.0	405.0	620.0	1254.0	74.0	6.0	13432.0
19	2231.0	1332.0	2513.0	5471.0	0.0	-82.0	-64.0	477.0	669.0	1315.0	-155.0	5.0	13712.0
20	2022.0	1216.0	2768.0	4922.0	0.0	-154.0	-138.0	470.0	638.0	1244.0	-191.0	6.0	12803.0
21	1975.0	1183.0	2185.0	4782.0	0.0	-95.0	-87.0	382.0	545.0	1111.0	79.0	6.0	12066.0
22	1851.0	1104.0	3239.0	4719.0	0.0	-51.0	-35.0	425.0	522.0	982.0	-236.0	7.0	12527.0
23	1914.0	1106.0	3155.0	4898.0	0.0	-22.0	-5.0	374.0	497.0	919.0	-232.0	7.0	12611.0
24	2208.0	1360.0	3238.0	5475.0	0.0	-88.0	-71.0	393.0	546.0	1058.0	24.0	7.0	14150.0
25	2478.0	1556.0	2778.0	5936.0	0.0	-68.0	-50.0	355.0	516.0	1017.0	90.0	6.0	14614.0
26	2601.0	1647.0	2330.0	6180.0	0.0	-63.0	-51.0	371.0	525.0	1043.0	121.0	7.0	14711.0
27	1910.0	1168.0	2820.0	4719.0	0.0	-98.0	-81.0	350.0	516.0	1038.0	146.0	7.0	12495.0
28	1702.0	996.0	3375.0	4267.0	0.0	-106.0	-86.0	373.0	519.0	1034.0	81.0	7.0	12162.0
29	1691.0	979.0	3382.0	4317.0	0.0	-66.0	-49.0	369.0	475.0	919.0	-75.0	7.0	11949.0
30	1652.0	955.0	3908.0	4255.0	0.0	-68.0	-52.0	390.0	475.0	875.0	-308.0	8.0	12090.0
31													
<b>Monthly Total</b>	62,346.00	36,599.00	79,252.00	#####	0.00	-2,237.00	-1,891.00	12,671.00	17,237.00	33,616.00	-2,384.00	183.00	391,014.00

# **Monthly Report Meter Chamber Flow Totals (NET)**

Town of Tecumseh Water System  
Report Name: 201810 Date: 22/01/2019  
Page: 1 of 1

Date: Oct-18

Day of the Month	MCT01 m3	MCT02 m3	MCT03 m3	MCT04 m3	MCT05 m3	MCT06 m3	MCT07 m3	MCT08 m3	MCT09 m3	MCT10 m3	MCT11 m3	MCT12 m3	System Total m3
1	1560.0	897.0	2202.0	3903.0	0.0	-76.0	-62.0	353.0	497.0	979.0	52.0	8.0	10313.0
2	1514.0	910.0	n/a	3916.0	0.0	-99.0	-85.0	362.0	516.0	998.0	34.0	6.0	8072.0
3	1612.0	981.0	n/a	4109.0	0.0	-101.0	-91.0	355.0	524.0	1013.0	142.0	6.0	8550.0
4	1553.0	930.0	n/a	3949.0	0.0	-122.0	-109.0	388.0	524.0	1012.0	16.0	6.0	8147.0
5	1448.0	848.0	n/a	3824.0	0.0	-100.0	-94.0	372.0	502.0	991.0	29.0	7.0	7827.0
6	1371.0	788.0	707.0	3813.0	0.0	-59.0	-46.0	353.0	457.0	864.0	-186.0	6.0	8068.0
7	1299.0	755.0	2085.0	3626.0	0.0	-62.0	-42.0	351.0	451.0	844.0	-251.0	7.0	9063.0
8	1128.0	615.0	1969.0	3511.0	0.0	-78.0	-69.0	338.0	465.0	862.0	-223.0	5.0	8523.0
9	1196.0	677.0	1930.0	3453.0	0.0	-137.0	-136.0	324.0	515.0	1026.0	123.0	5.0	8976.0
10	1037.0	587.0	1768.0	3204.0	0.0	-149.0	-117.0	363.0	516.0	992.0	-8.0	5.0	8198.0
11	1074.0	621.0	1827.0	3290.0	0.0	-155.0	-138.0	402.0	544.0	1052.0	-100.0	7.0	8424.0
12	1012.0	591.0	1756.0	3199.0	0.0	-159.0	-112.0	382.0	493.0	953.0	-7.0	8.0	8116.0
13	1035.0	589.0	1827.0	3325.0	0.0	-119.0	-44.0	374.0	463.0	879.0	-260.0	9.0	8078.0
14	1112.0	621.0	1937.0	3485.0	0.0	-97.0	-23.0	376.0	456.0	834.0	-357.0	8.0	8352.0
15	976.0	546.0	1705.0	3118.0	0.0	-152.0	-75.0	382.0	511.0	981.0	-46.0	8.0	7954.0
16	1054.0	593.0	1746.0	3207.0	0.0	-154.0	-78.0	377.0	501.0	961.0	11.0	8.0	8226.0
17	996.0	562.0	1710.0	3122.0	0.0	-147.0	-73.0	369.0	504.0	979.0	54.0	8.0	8084.0
18	884.0	506.0	1669.0	3170.0	0.0	-156.0	-81.0	374.0	501.0	966.0	57.0	8.0	7898.0
19	976.0	605.0	1818.0	3317.0	0.0	-127.0	-51.0	340.0	466.0	907.0	120.0	7.0	8378.0
20	1161.0	741.0	2064.0	3646.0	0.0	-62.0	11.0	353.0	458.0	875.0	-113.0	8.0	9142.0
21	1185.0	760.0	2120.0	3736.0	0.0	-52.0	22.0	343.0	437.0	811.0	-193.0	8.0	9177.0
22	1175.0	727.0	1948.0	3467.0	0.0	-113.0	-27.0	385.0	325.0	816.0	250.0	7.0	8960.0
23	1156.0	684.0	1877.0	3351.0	0.0	-127.0	-48.0	349.0	469.0	919.0	105.0	7.0	8742.0
24	1131.0	681.0	1871.0	3339.0	0.0	-122.0	-50.0	349.0	480.0	937.0	106.0	8.0	8730.0
25	1096.0	656.0	1811.0	3230.0	0.0	-118.0	-43.0	330.0	471.0	938.0	143.0	8.0	8522.0
26	1063.0	634.0	1798.0	3236.0	0.0	-119.0	-35.0	332.0	464.0	912.0	74.0	7.0	8366.0
27	1113.0	665.0	1947.0	3469.0	0.0	-71.0	50.0	370.0	471.0	860.0	-258.0	8.0	8624.0
28	1079.0	637.0	1916.0	3440.0	0.0	-110.0	8.0	388.0	475.0	833.0	-391.0	8.0	8283.0
29	1046.0	619.0	1808.0	3232.0	0.0	-114.0	-40.0	347.0	476.0	923.0	52.0	8.0	8357.0
30	1054.0	611.0	1801.0	3209.0	0.0	-92.0	-16.0	335.0	484.0	928.0	28.0	7.0	8349.0
31	1025.0	599.0	1746.0	3130.0	0.0	-106.0	-33.0	365.0	492.0	944.0	-87.0	7.0	8082.0
<b>Monthly Total</b>	<b>36,121.00</b>	<b>21,236.00</b>	<b>49,363.00</b>	<b>#####</b>	<b>0.00</b>	<b>-3,455.00</b>	<b>-1,727.00</b>	<b>11,181.00</b>	<b>14,908.00</b>	<b>28,789.00</b>	<b>-1,084.00</b>	<b>223.00</b>	<b>262,581.00</b>

# **Monthly Report Meter Chamber Flow Totals (NET)**

Town of Tecumseh Water System  
Report Name: 201811 Date: 22/01/2019  
Page: 1 of 1

Date: Nov-18

Day of the Month	MCT01 m3	MCT02 m3	MCT03 m3	MCT04 m3	MCT05 m3	MCT06 m3	MCT07 m3	MCT08 m3	MCT09 m3	MCT10 m3	MCT11 m3	MCT12 m3	System Total m3
1	1040.0	608.0	1764.0	3167.0	0.0	-95.0	-27.0	343.0	475.0	932.0	-35.0	8.0	8180.0
2	991.0	580.0	1732.0	3147.0	0.0	-112.0	-38.0	339.0	469.0	917.0	16.0	8.0	8049.0
3	1098.0	628.0	1907.0	3426.0	0.0	-89.0	-7.0	355.0	459.0	871.0	-196.0	8.0	8460.0
4	1114.0	642.0	1985.0	3558.0	0.0	-84.0	6.0	357.0	465.0	891.0	-221.0	8.0	8721.0
5	1023.0	594.0	1743.0	3180.0	0.0	-133.0	-41.0	356.0	488.0	952.0	28.0	7.0	8197.0
6	1075.0	630.0	1796.0	3238.0	0.0	-105.0	-30.0	317.0	465.0	913.0	91.0	8.0	8398.0
7	1094.0	641.0	1821.0	3302.0	0.0	-142.0	-60.0	347.0	491.0	941.0	8.0	8.0	8451.0
8	1077.0	624.0	1776.0	3230.0	0.0	-194.0	-117.0	162.0	177.0	897.0	13.0	8.0	7653.0
9	1033.0	605.0	1746.0	3115.0	0.0	-92.0	-17.0	140.0	228.0	814.0	79.0	9.0	7660.0
10	1137.0	638.0	1940.0	3455.0	0.0	-111.0	-32.0	358.0	449.0	789.0	-328.0	10.0	8305.0
11	1163.0	639.0	1968.0	3475.0	0.0	-54.0	19.0	303.0	412.0	735.0	-273.0	8.0	8395.0
12	1105.0	609.0	1841.0	3288.0	0.0	-123.0	-48.0	377.0	498.0	904.0	-115.0	9.0	8345.0
13	1121.0	634.0	1832.0	3272.0	0.0	-137.0	-62.0	346.0	479.0	900.0	-21.0	10.0	8374.0
14	1080.0	628.0	1783.0	3152.0	0.0	-99.0	-19.0	300.0	461.0	882.0	106.0	9.0	8283.0
15	1133.0	660.0	1838.0	3266.0	0.0	-154.0	-80.0	365.0	504.0	939.0	46.0	9.0	8526.0
16	1096.0	638.0	1809.0	3196.0	0.0	-130.0	-56.0	306.0	433.0	826.0	91.0	10.0	8219.0
17	1161.0	666.0	1935.0	3427.0	0.0	-101.0	-29.0	353.0	432.0	774.0	-255.0	8.0	8371.0
18	1112.0	630.0	1895.0	3367.0	0.0	-108.0	-30.0	333.0	424.0	760.0	-290.0	9.0	8102.0
19	1065.0	610.0	1758.0	3168.0	0.0	-145.0	-70.0	336.0	471.0	904.0	69.0	9.0	8175.0
20	940.0	526.0	1597.0	2929.0	0.0	-145.0	-74.0	327.0	451.0	870.0	47.0	9.0	7477.0
21	956.0	544.0	1663.0	3006.0	0.0	-137.0	-61.0	344.0	458.0	894.0	2.0	10.0	7679.0
22	884.0	508.0	1602.0	2925.0	0.0	-138.0	-65.0	326.0	452.0	856.0	10.0	10.0	7370.0
23	912.0	518.0	1599.0	2951.0	0.0	-137.0	-62.0	314.0	434.0	822.0	7.0	9.0	7367.0
24	926.0	506.0	1689.0	3080.0	0.0	-110.0	-33.0	337.0	425.0	764.0	-226.0	9.0	7367.0
25	974.0	528.0	1774.0	3218.0	0.0	-104.0	-23.0	334.0	425.0	757.0	-289.0	8.0	7602.0
26	892.0	488.0	1576.0	2913.0	0.0	-170.0	-86.0	353.0	471.0	872.0	-53.0	10.0	7266.0
27	948.0	537.0	1659.0	3049.0	0.0	-164.0	-82.0	332.0	478.0	908.0	52.0	10.0	7727.0
28	995.0	567.0	1702.0	3130.0	0.0	-183.0	-103.0	352.0	494.0	931.0	28.0	10.0	7923.0
29	991.0	554.0	1663.0	3039.0	0.0	-166.0	-83.0	347.0	489.0	925.0	58.0	9.0	7826.0
30	963.0	536.0	1629.0	3017.0	0.0	-182.0	-100.0	350.0	478.0	895.0	-9.0	10.0	7587.0
31													
<b>Monthly Total</b>	31,099.00	17,716.00	53,022.00	95,686.00	0.00	-3,844.00	-1,510.00	9,809.00	13,335.00	26,035.00	-1,560.00	267.00	240,055.00

# **Monthly Report Meter Chamber Flow Totals (NET)**

Town of Tecumseh Water System  
Report Name: 201812 Date: 22/01/2019  
Page: 1 of 1

Date: Dec-18

Day of the Month	MCT01 m3	MCT02 m3	MCT03 m3	MCT04 m3	MCT05 m3	MCT06 m3	MCT07 m3	MCT08 m3	MCT09 m3	MCT10 m3	MCT11 m3	MCT12 m3	System Total m3
1	993.0	547.0	1770.0	3205.0	0.0	-87.0	-19.0	356.0	448.0	805.0	-240.0	9.0	7787.0
2	1232.0	673.0	1948.0	3495.0	0.0	-92.0	-29.0	347.0	453.0	800.0	-361.0	8.0	8474.0
3	988.0	561.0	1679.0	3060.0	0.0	-124.0	-48.0	310.0	483.0	904.0	5.0	9.0	7827.0
4	1013.0	576.0	1692.0	3124.0	0.0	-196.0	-122.0	393.0	517.0	949.0	-79.0	9.0	7876.0
5	962.0	548.0	1675.0	3041.0	0.0	-142.0	-66.0	295.0	449.0	866.0	96.0	10.0	7734.0
6	954.0	539.0	1643.0	2988.0	0.0	-119.0	-47.0	337.0	480.0	906.0	22.0	10.0	7713.0
7	997.0	569.0	1677.0	3115.0	0.0	-172.0	-99.0	384.0	503.0	924.0	-89.0	10.0	7819.0
8	959.0	522.0	1736.0	3185.0	0.0	-110.0	-37.0	356.0	447.0	790.0	-295.0	10.0	7563.0
9	972.0	528.0	1753.0	3192.0	0.0	-88.0	-16.0	346.0	437.0	773.0	-345.0	10.0	7562.0
10	904.0	499.0	1598.0	2962.0	0.0	-180.0	-110.0	388.0	521.0	957.0	-159.0	10.0	7390.0
11	846.0	483.0	1595.0	2925.0	0.0	-134.0	-60.0	348.0	489.0	916.0	-2.0	11.0	7417.0
12	559.0	362.0	1433.0	2575.0	0.0	7.0	68.0	301.0	471.0	877.0	39.0	10.0	6702.0
13	931.0	562.0	1763.0	3111.0	0.0	6.0	69.0	283.0	453.0	878.0	111.0	9.0	8176.0
14	764.0	458.0	1643.0	3011.0	0.0	-117.0	-48.0	329.0	451.0	859.0	-4.0	8.0	7354.0
15	833.0	486.0	1807.0	3260.0	0.0	-98.0	-18.0	373.0	460.0	822.0	-254.0	10.0	7681.0
16	811.0	474.0	1812.0	3279.0	0.0	-83.0	-7.0	359.0	453.0	810.0	-281.0	9.0	7636.0
17	772.0	454.0	1666.0	3021.0	0.0	-115.0	-40.0	351.0	490.0	917.0	20.0	9.0	7545.0
18	772.0	454.0	1656.0	3018.0	0.0	-120.0	-48.0	346.0	485.0	906.0	20.0	10.0	7499.0
19	750.0	444.0	1631.0	2976.0	0.0	-122.0	-50.0	350.0	485.0	897.0	23.0	9.0	7393.0
20	694.0	407.0	1578.0	2910.0	0.0	-124.0	-49.0	342.0	465.0	878.0	-24.0	10.0	7087.0
21	717.0	420.0	1620.0	2987.0	0.0	-133.0	-63.0	355.0	463.0	852.0	-74.0	9.0	7153.0
22	776.0	430.0	1767.0	3186.0	0.0	-46.0	19.0	328.0	428.0	776.0	-197.0	10.0	7477.0
23	743.0	410.0	1720.0	3129.0	0.0	-72.0	2.0	360.0	444.0	775.0	-340.0	10.0	7181.0
24	740.0	402.0	1703.0	3118.0	0.0	-61.0	7.0	338.0	441.0	769.0	-297.0	9.0	7169.0
25	693.0	373.0	1603.0	2950.0	0.0	-59.0	9.0	312.0	427.0	740.0	-334.0	16.0	6730.0
26	683.0	378.0	1608.0	2963.0	0.0	-62.0	9.0	304.0	404.0	718.0	-277.0	9.0	6737.0
27	704.0	401.0	1616.0	2965.0	0.0	-80.0	-4.0	337.0	438.0	778.0	-204.0	12.0	6963.0
28	705.0	406.0	1624.0	2971.0	0.0	-69.0	3.0	333.0	435.0	784.0	-179.0	14.0	7027.0
29	1362.0	812.0	2254.0	3816.0	0.0	-8.0	56.0	322.0	419.0	743.0	-276.0	40.0	9540.0
30	1246.0	748.0	2211.0	3774.0	0.0	-23.0	50.0	317.0	410.0	718.0	-299.0	66.0	9218.0
31	873.0	505.0	1797.0	3206.0	0.0	-56.0	16.0	323.0	425.0	765.0	-242.0	91.0	7703.0
<b>Monthly Total</b>	<b>26,948.00</b>	<b>15,431.00</b>	<b>53,278.00</b>	<b>96,518.00</b>	<b>0.00</b>	<b>-2,879.00</b>	<b>-672.00</b>	<b>10,523.00</b>	<b>14,174.00</b>	<b>25,852.00</b>	<b>-4,516.00</b>	<b>476.00</b>	<b>235,133.00</b>



## Notices of Adverse Test Results and Issue Resolution (Schedule 16)

Drinking Water Systems Regulation (O. Reg. 170/03)

### Instructions

These Notice forms apply to drinking water system owners and operators (Owners/Operators) and Ministry of the Environment and Climate Change (MOECC) licensed laboratories (Licensed Laboratories) regulated by Drinking Water Systems Regulation, Ontario Regulation 170/03 (O. Reg. 170/03).

### Immediate Report of Adverse Results

Section 16-3(3) of Schedule 16 of O. Reg. 170/03 sets out the requirements for Owners/Operators and Licensed Laboratories to make an immediate report of adverse test results under O. Reg. 170/03 by speaking in person or by telephone to the MOECC's Spills Action Centre (SAC), at 1 800 268-6060 or 416 325-3000, the local Medical Officer of Health/Health Unit (Health Unit) and the Owner/Operator (Immediate Report).

[Adverse test results for trihalomethanes (THMs) do not require an Immediate Report; see section below.]

### Written Notice within 24 hours of the Immediate Report

Within 24 hours of an Immediate Report, Section 16-7(3) of Schedule 16 requires that Owners/Operators and Licensed Laboratories must also provide written notice to the MOECC and the Health Unit, by fax or e-mail. Licensed Laboratories must complete and submit Sections 1 and 3 of this Notice. Owners/Operators must complete and submit Section 2A of this Notice. **Note:** Owners/Operators must complete and submit Section 3 of this Notice for any adverse result of an **operational parameter**.

### Notice Within 7 Days of Issue Resolution

Within 7 days after the issue has been resolved, Section 16-9(1) of Schedule 16 requires that Owners/Operators must provide a written notice, Section 2B of this Notice, to SAC and the Health Unit, summarizing the actions taken and the results achieved. This written notice must also be sent to the interested authority for any designated facility (if applicable) within 30 days.

Owners and Operators must follow any additional corrective actions required by the Health Unit.

### Total Trihalomethanes (THMs)

As of January 2016, Sections 16-6 and 16-7 of Schedule 16 requires that Owners/Operators calculate the running annual average (RAA) for THMs and report any adverse test result in writing to the MOECC and the Health Unit within 7 calendar days of the end of the calendar quarter that produced the adverse test result. The written notice is submitted using Section 2C of this Notice. RAA calculation is outlined in Schedule 13-6 of O. Reg. 170/03.

Immediate oral notification is no longer required for this parameter.

As of January 2016, Licensed Laboratories that upload THM test results into the Ministry's data system and report the results to Owners/Operators within 48 hours of the test result being authorized at the laboratory, are exempt from reporting the RAA. If the data is not uploaded, the RAA must be calculated by the laboratory and the laboratory must complete and submit the written notice form and the analytical results (Section 1 and Section 3).

**Note:** Small municipal residential systems and non-municipal year round residential systems that serve designated facilities also must notify the operator of each designated facility served by their system.

The 'Trihalomethane and Haloacetic Acid Sampling and Reporting Requirements Technical Bulletin' provides full details on the changes to the reporting requirements and provides examples for calculating quarterly and running annual averages. The Technical Bulletin is available on the ministry's web page via the following link: <https://www.ontario.ca/page/total-trihalomethane-thm-reporting-requirements-technical-bulletin>

SAC fax: 1 800 268-6061 or 416 325-3011

SAC e-mail: [moe.sac.moe@ontario.ca](mailto:moe.sac.moe@ontario.ca)

Provincial standards for water quality are set out in:

[Safe Drinking Water Act, 2002](#)

[Ontario Regulation 169/03 \(Water Quality Standards\)](#)

[Ontario Regulation 170/03 \(Drinking Water Systems\)](#)

Failure to notify these parties in accordance with the Regulation constitutes an offence under the *Safe Drinking Water Act*. A copy of this form may be acquired through the MOECC public web site ([www.ontario.ca/drinkingwater](http://www.ontario.ca/drinkingwater)) or by contacting any MOECC office.

Collection of information on this form is done in accordance with the [Safe Drinking Water Act, 2002](#) and its Regulations. Information gathered herein, including personal information, is governed by the *Freedom of Information and Protection of Privacy Act* (FIPPA) and may be disclosed to other government agencies (including municipal health unit employees) pursuant to 'Section 42' of the FIPPA for the consistent purpose of administering any Act or program that pertains to drinking water safety. For questions and concerns, please contact the Ministry of Environment and Climate Change at 1 866 793-2588.

**Notices of Adverse Test Results and  
Issue Resolution (Schedule 16)**

Drinking Water Systems Regulation (O. Reg. 170/03)

Fields marked with an asterisk (\*) are mandatory.

**Section 1 – Written Notice By Licensed Laboratory (For THM reporting see Section 2C)**
**Indicators of Adverse Water Quality**

AWQI Number

138775

Is this a re-sample? \*

☐ Yes ☒ No ☐ Unknown If Yes, then provide initial AWQI number

☒ Microbiological \* ☐ Physical/Chemical \* ☐ Radiological \* ☐ Licence/Order/Certificate Requirement \*

**Licensed Laboratory Information**

Licensed Laboratory Name \*

Caduceon Environmental Labs

MOECC Laboratory License Number \*

2276

Unit/Suite Number

5

Street Number

3201

Street Name

Marentette Ave

City/Town

Windsor

Province

ON

Telephone Number (including area code) \*

519 966-9541

Email Address

sgalijas@caduceonlabs.com

Fax Number (including area code)

**Licensed Laboratory Emergency Contact**

Last Name \*

Merko

First Name \*

Lorina

Telephone Number (including area code) \*

519 966-9541

**Drinking Water System (DWS) Information**

DWS Name \*

Town of Tecumseh

DWS Number \*

260004969

Telephone Number (including area code) \*

519 991-7071

Location \*

Distribution

Email Address

dberthiaume@tecumseh.ca

**DWS Emergency Contact Name**

Last Name \*

Berthiaume

First Name \*

Denis

Telephone Number (including area code) \*

519 991-7071

**Oral Notification to DWS Owner - Person Contacted**

Last Name \*

Berthiaume

First Name \*

Denis

Position of Person Contacted \*

Manager

Telephone Number (including area code) \*

519 991-7071

Fax Number (including area code)

Date (yyyy/mm/dd) \*

2018/02/21

Time (hh:mm) \*

3:30 PM

Email Address

dberthiaume@tecumseh.ca

**Oral Notification to Health Unit - Person Contacted**

Health Unit Name \*

WECHU

Last Name \*

Wong

First Name \*

Philip

Fields marked with an asterisk (\*) are mandatory.

Section 1 continued.

Position of Person Contacted \*

Manager

Telephone Number (including area code) \*

519 258-2146

Fax Number (including area code)

Date (yyyy/mm/dd) \*

2018/02/21

Time (hh:mm) \*

3:33 PM

Email Address

pwong@wechu.org

Oral Notification To Spills Action Centre (SAC) - Person Contacted

Last Name \*

Capicciotti

First Name \*

Brenda

Position of Person Contacted \*

Environmental Officer

Person Notifying \*

Microbiology Analyst

Date (yyyy/mm/dd) \*

2018/02/21

Time (hh:mm) \*

3:37 PM

Name \*

Lana Galijas

Signature

SGalijas

Date (yyyy/mm/dd) \*

2018/02/21

Comments

Note: Use Section 3 to attach laboratory report.

# Notices of Adverse Test Results and Issue Resolution (Schedule 16)

Drinking Water Systems Regulation (O. Reg. 170/03)

Fields marked with an asterisk (\*) are mandatory.

## Section 3 – Adverse Analytical Results

AWQI Number *	Is this a re-sample? *	
138775	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Unknown If Yes, then provide initial AWQI number
Licensed Laboratory Name *	MOECC Laboratory License Number *	
Caduceon Environmental Labas	2276	

## Microbiological Testing

Laboratory Submission ID *	Laboratory Sample ID *	Date/Time – Sample Collected (yyyy/mm/dd)	Sample Type and Sample Location *	Count / 100 mL		P-A / 100mL Confirmed	Date Data Approved (yyyy/mm/dd) *	Chlorine Residual (mg/l) *** / F- Free / C-Combined
				Total Coliforms (TC)	E. coli (EC)			
B18-04324	7	2018/02/20 10:	U: Untreated T: Treated D: Distribution Manning/County Rd #34/Auto Flusher	32	0	TC EC	2018/02/21	F <input checked="" type="checkbox"/> 0.66 mg/L C <input type="checkbox"/>
			U: Untreated T: Treated D: Distribution			TC EC		F <input type="checkbox"/> C <input type="checkbox"/> mg/L

## Physical or Chemical or Radiological Testing

Laboratory Submission ID *	Laboratory Sample ID *	Date/Time – Sample Collected (yyyy/mm/dd)	Sample Type and Sample Location *	Parameter *	Result(s) **** *	Units of Measure/Standard	Date Data Approved (yyyy/mm/dd) *
			U: Untreated T: Treated D: Distribution				

Has Health Unit been notified? *	Health Unit Name *
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	WECHU

Users Advised to Boil/Seek Alternate Water
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



Fields marked with an asterisk (\*) are mandatory.

Section 3 continued.

Other Information Attached <input type="checkbox"/> Yes <input type="checkbox"/> No									
Attached File Name		Created		Modified		Size (MB)		Remove Selected File	
								<input type="checkbox"/>	
				Number of attachments		0			

Please describe any other direction perscribed by Health Unit or additional actions taken/results achieved

Provided By *		Date (yyyy/mm/dd) *	
Lana Galijas		2018/02/21	
Signature			
SGalijas			

\* Only for Drinking Water Systems that obtained exemptions from treatment requirements under O. Reg. 170/03.

\*\* Refers to treated water samples collected downstream of treatment equipment.

\*\*\* Indicate Free or Combined Chlorine Residual in mg/l for treated drinking water. Enter N/A if no chlorination is provided.

\*\*\*\* When reporting Trihalomethanes, please include the latest quarterly average result and the calculated running annual average value.

used in place of

# Section 2 A Written Notice By Drinking Water System



Ontario

Ministry of Health  
and Long-Term Care

## Notice of Adverse Test Results and Issue Resolution

Small Drinking Water Systems  
Regulation (O.Reg. 319/08) and  
Transitional - Small Drinking Water  
Systems Regulation (O.Reg. 318/08)

### Instructions

The purpose of this form is to notify the small drinking water system operator, local Public Health Unit and the Ministry of Health and Long-Term Care (MOHLTC) of Adverse Water Quality Incidents (AWQI) under s. 9(1) of O. Reg. 319/08 (Small Drinking Water Systems) and schedule 4 of O. Reg. 318/08 (Transitional – Small Drinking Water Systems).

This notice is being initiated by (please check one):

☐ A laboratory (complete sections 1 and 3)

☒ An drinking water system operator (complete section 2)

Please identify the reason and/or adverse observation below (if applicable)

Caduceon Environmental Labs stated an adverse water sample taken from Manning/County Rd #34 auto flusher.  
Total Coliforms (TC) 32 were found in the sample

The sample was taken February 20, 2018 as part of the weekly bacteriological samples within the distribution system.

## Section 2 – Corrective Action and Issue Resolution

Section 2 is to be completed and provided to the local Board of Health by the drinking water system operator based on discussions with the local Board of Health, within 24 hours of verbal notification. Section 2 should be updated and resubmitted to the local Board of Health within 7 days of the issue resolution.

### Verbal Notification to Local Medical Officer of Health

#### Name of Person Contacted

Last Name Wong	First Name Philip	Position Title Manager	Date (yyyy/mm/dd) 2018/02/21	Time (hh:mm) 3:35 AM
-------------------	----------------------	---------------------------	---------------------------------	-------------------------

#### Drinking Water Systems Contact

#### Name of Person Contacted

Last Name Berthiaume	First Name Denis	Telephone Number 519-735-2184 ext. 141
Position Title Manager, water & wastewater		Fax Number 519-735-1895

### Adverse Water Quality Test Results Corrective Action and Issue Resolution

Name of Drinking Water System Town of Tecumseh water distribution	Date of Resolution (yyyy/mm/dd)
Initial AWQI Notification Number(s) 138775	All Resample AWQI Numbers

#### Corrective Actions to be taken by Owner/Operator

Corrective Actions	Required	Completed	Comments
Warning notice posted	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Resample and test	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Disinfectant restored / increased	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Mains / pipes flushed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Users advised to boil water / seek alternate source	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Health Unit's boil water advisory letter was delivered by town operator Vern. Brad spoke with Nikola Radakovic (home owner) informing him of boil water advisory. Nikola advised Brad that no one is living at that residence.

**Summary of Action Taken and Results Achieved** (include test results showing drinking water quality is no longer adverse)  
Flush and re-sample as per Ministry of Health. (Philip Wong- manager environmental health)  
(3) samples to be collected. (1) up-stream, (1) down-stream, and (1) at point source where adverse sample found.  
See attached map for reference.

Brad Contacted the Ministry of Environment Spills Action Centre and spoke with Aaron Daya (environmental officer) at 4:30pm advising him of the adverse condition.

The watermain on County Rd #34 has been flushed.

1st set of samples were taken to Caduceon Environmental Laboratories Feb 21, 2018 at 5:30pm by water operator Reg Morin

(1) service is downstream of the adverse sample (6255 Manning Rd). As a precaution, the Windsor-Essex County Health Unit advised that a boil-water advisory is required to that residence. Public notification has been issued to the affected property advising of the adverse water sample and the need for boiling the water prior to human consumption. Notification letter was deliver to residence of 6255 Manning Rd.

When resolving an AWQI state all resample AWQI Numbers associated with the initial AWQI. For example, if there is an adverse test result of Total Coliform one of the corrective actions is to resample. If the resample came back adverse then you resample again. If the second resample test results are clear and the incident is then resolved, include all AWQI Numbers (Initial AWQI Number and Resample AWQI Numbers) on the same Section 3 form. This eliminates the requirement to submit a Section 3 form for every adverse test result associated with one incident. If the first resample test result is clear then this section does not apply.

The personal information that you provide on this form is collected by the (Insert name of Public Health Unit):

Philip Wong

pursuant to section 5(1) of O.Reg. 319/08 and section 13(1) of O. Reg. 318/08 under the *Health Protection and Promotion Act*, and may be used and disclosed to other government institutions for the purpose of administering any Act or program that pertains to drinking water safety. If you have any questions about the collection of your personal information on this form, you can contact:

Title of Public Health Unit Contact

Manager

Telephone Number

519-258-2146

ext. 3159

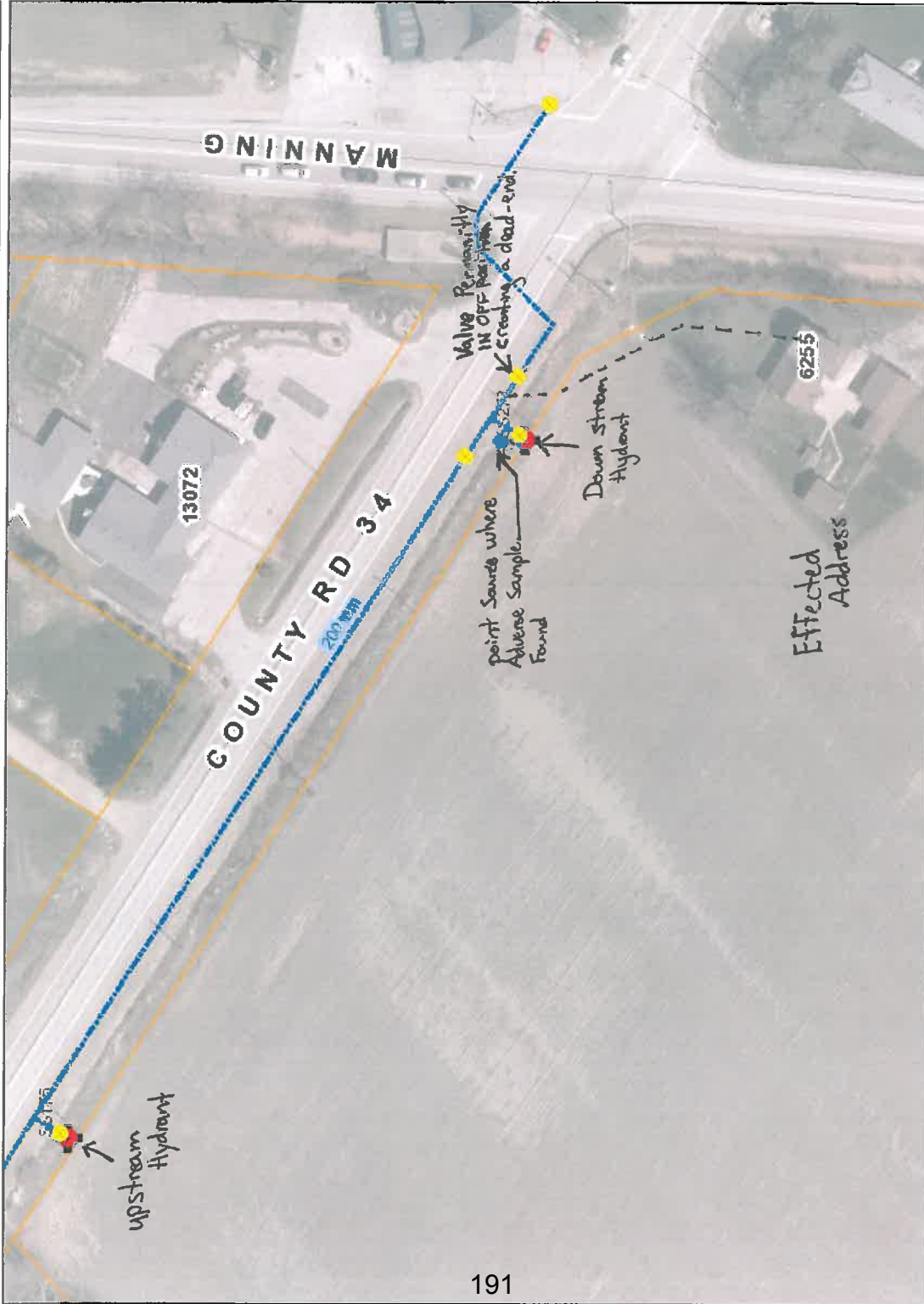
#### Business Address

Unit Number	Street Number	Street Name	PO Box
	1005	Ouellette Avenue	
City/Town	Province		Postal Code
Windsor	Ontario		N9A 4J8





## Town of Tecumseh Mapping



### Notes

Enter Map Description

THIS MAP IS NOT TO BE USED FOR NAVIGATION  
Copyright the Town of Tecumseh, 2016. Data herein is provided by the Town of Tecumseh on an 'as is' basis. Assessment parcel provided by Teranet Enterprises Inc. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.



### Legend

- Water Valve
- Water Sampling Station
- Hydrants
  - Provincial, Active
  - Town of Tecumseh, Active
  - Other Ownership, Active
  - City of Windsor, Active
  - Other Ownership, Removed
  - Town of Tecumseh, Removed
- Water AutoFlush Station
- Watermain
  - Abandoned
  - Active
  - Inactive
  - Proposed
  - Removed
  - Unknown
- Water Lateral Line
  - Other
  - Active
- Address
- Tecumseh Assessment (Tax F MPAC Nov 3, 2017)
- Lake
- Street Centreline
- Rail Road
- Parks

0 16.98 34.0 Meters  
1:1,019  
2/22/2018

## Brad Dupuis

---

**From:** Petersen, Al (MOECC) <Al.Petersen@ontario.ca>  
**Sent:** February-23-18 9:03 AM  
**To:** Brad Dupuis  
**Cc:** Denis Berthiaume  
**Subject:** FW: AWQI 138775  
**Attachments:** WD\_138775\_170\_2a\_2018\_02\_22\_.pdf; AWQIs\_4444E\_Feb17.pdf

Good morning Brad, just a FYI.

The form submitted for completing the owner/operating authority written notification for the adverse TC result appears to be the form for small drinking water systems regulated by the MOHLTC under O. Reg. 319 under the Health Promotion and Protection Act (HPPA).

The written notice required for the Tecumseh Distribution system is made under O. Reg. 170/03 under the SDWA. The content and details required are similar so the O. Reg. 319 form used for this incident is fine in lieu, but I've attached the correct form for you to use when completing the follow-up Notice of Issue Resolution (Form 2b) and for any future adverse incident reports.

Thanks,

Al Petersen  
Water Inspector  
Ministry of the Environment and Climate Change Ministère de l'Environnement et de l'Action en matière de  
changement climatique Safe Drinking Water Branch, Sarnia District  
Phone: 519-383-3785  
Fax: 519-336-4280  
[al.petersen@ontario.ca](mailto:al.petersen@ontario.ca)

\*\*\*\*\*

-----Original Message-----

**From:** Ng, Simon (MOECC)  
**Sent:** February 22, 2018 2:22 PM  
**To:** AWQI-SDW-WIN (MOECC)  
**Subject:** AWQI 138775

Your message is ready to be sent with the following file or link attachments:

WD\_138775\_170\_2a\_2018\_02\_22\_

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

## Denis Berthiaume

---

**From:** Petersen, Al (MOECC) <Al.Petersen@ontario.ca>  
**Sent:** February-22-18 9:17 AM  
**To:** Denis Berthiaume  
**Cc:** Brad Dupuis; pwong@wechu.org  
**Subject:** RE: Town of Tecumseh adverse sample

Good morning all, Tecumseh's re-sampling plan appears to be in accordance with the corrective action requirements under O. Reg. 170/03 sub-section 17-6. Para 1 for adverse Total Coliforms, and the definition of "resample and test" under sub-section 1(1).

Al Petersen  
Water Inspector  
Ministry of the Environment and Climate Change  
Ministère de l'Environnement et de l'Action en matière de changement climatique  
Safe Drinking Water Branch, Sarnia District  
Phone: 519-383-3785  
Fax: 519-336-4280  
[al.petersen@ontario.ca](mailto:al.petersen@ontario.ca)

---

**From:** Denis Berthiaume [<mailto:dberthiaume@tecumseh.ca>]  
**Sent:** Wednesday, February 21, 2018 4:46 PM  
**To:** [pwong@wechu.org](mailto:pwong@wechu.org)  
**Cc:** Brad Dupuis; Petersen, Al (MOECC)  
**Subject:** Town of Tecumseh adverse sample

Good afternoon Philip,

I have attached a map of the area where the Town of Tecumseh received an adverse sample. The adverse sample was taken on Tuesday Feb 20/18 from an auto flusher/sample station located on County Road 34 just west of Manning Road.

As per are conversation today it has been recommended that the auto flusher/sample station will be resampled along with 1 sample upstream and 1 sample downstream. Because the auto flusher/sample station is located near the end of a dead end main it has been decided that a water adverse advisory to the residents upstream would *not* be required. The Town of Tecumseh will take 3 samples; 1 from a fire hydrant directly upstream and a 2<sup>nd</sup> sample from a fire hydrant located downstream and the 3<sup>rd</sup> sample from the auto flusher/sample station. The Town will take a second set of water samples tomorrow from the same location and will keep you informed of the lab results. I can be reached anytime @ 519-818-9611 or the Town DWQMS Rep Brad Dupuis @ 519-791-0838. Please confirm you have received this email and concur with the sampling plan in this email.

Thanks  
Denis



**Denis Berthiaume**  
**Manager Water & Wastewater**  
[dberthiaume@tecumseh.ca](mailto:dberthiaume@tecumseh.ca)

Town of Tecumseh - 1189 Lacasse Blvd. - Tecumseh, ON. - N8N 1W9  
Phone: 519-735-4225 ,141 Fax: 519-735-1895 - [www.tecumseh.ca](http://www.tecumseh.ca)

**\*\*\* DISCLAIMER \*\*\***

This e-mail and any attachment(s) are confidential and may be privileged.  
If you are not the intended recipient please notify me immediately by return  
e-mail, delete this e-mail and do not copy, use or disclose it.  
Messages sent to and from us may be monitored.

 Please consider the environment before printing this e-mail.



**Brad Dupuis**

---

**From:** Brad Dupuis  
**Sent:** February-23-18 4:30 PM  
**To:** 'moe.sac.moe@ontario.ca'; Paytens Cell (paydesjardins4@live.com); 'pwong@wechu.org'  
**Cc:** Denis Berthiaume; 'Petersen, Al (MOECC)'  
**Subject:** Notices of Adverse Test Results and Issue Resolution (Schedule 16)  
**Attachments:** AWQIs\_4444E\_Feb17 (2).pdf

Please see attached.

Any questions please contact myself at 519-791-6509 or Denis Berthiaume at 519-818-9611

**Notices of Adverse Test Results and  
Issue Resolution (Schedule 16)**

Drinking Water Systems Regulation (O. Reg. 170/03)

**Instructions**

These Notice forms apply to drinking water system owners and operators (Owners/Operators) and Ministry of the Environment and Climate Change (MOECC) licensed laboratories (Licensed Laboratories) regulated by Drinking Water Systems Regulation, Ontario Regulation 170/03 (O. Reg. 170/03).

**Immediate Report of Adverse Results**

Section 16-3(3) of Schedule 16 of O. Reg. 170/03 sets out the requirements for Owners/Operators and Licensed Laboratories to make an immediate report of adverse test results under O. Reg. 170/03 by speaking in person or by telephone to the MOECC's Spills Action Centre (SAC), at 1 800 268-6060 or 416 325-3000, the local Medical Officer of Health/Health Unit (Health Unit) and the Owner/Operator (Immediate Report).

[Adverse test results for trihalomethanes (THMs) do not require an Immediate Report; see section below.]

**Written Notice within 24 hours of the Immediate Report**

Within 24 hours of an Immediate Report, Section 16-7(3) of Schedule 16 requires that Owners/Operators and Licensed Laboratories must also provide written notice to the MOECC and the Health Unit, by fax or e-mail. Licensed Laboratories must complete and submit Sections 1 and 3 of this Notice. Owners/Operators must complete and submit Section 2A of this Notice. **Note:** Owners/Operators must complete and submit Section 3 of this Notice for any adverse result of an **operational parameter**.

**Notice Within 7 Days of Issue Resolution**

Within 7 days after the issue has been resolved, Section 16-9(1) of Schedule 16 requires that Owners/Operators must provide a written notice, Section 2B of this Notice, to SAC and the Health Unit, summarizing the actions taken and the results achieved. This written notice must also be sent to the interested authority for any designated facility (if applicable) within 30 days.

Owners and Operators must follow any additional corrective actions required by the Health Unit.

**Total Trihalomethanes (THMs)**

As of January 2016, Sections 16-6 and 16-7 of Schedule 16 requires that Owners/Operators calculate the running annual average (RAA) for THMs and report any adverse test result in writing to the MOECC and the Health Unit within 7 calendar days of the end of the calendar quarter that produced the adverse test result. The written notice is submitted using Section 2C of this Notice. RAA calculation is outlined in Schedule 13-6 of O. Reg. 170/03.

Immediate oral notification is no longer required for this parameter.

As of January 2016, Licensed Laboratories that upload THM test results into the Ministry's data system and report the results to Owners/Operators within 48 hours of the test result being authorized at the laboratory, are exempt from reporting the RAA. If the data is not uploaded, the RAA must be calculated by the laboratory and the laboratory must complete and submit the written notice form and the analytical results (Section 1 and Section 3).

**Note:** Small municipal residential systems and non-municipal year round residential systems that serve designated facilities also must notify the operator of each designated facility served by their system.

The 'Trihalomethane and Haloacetic Acid Sampling and Reporting Requirements Technical Bulletin' provides full details on the changes to the reporting requirements and provides examples for calculating quarterly and running annual averages. The Technical Bulletin is available on the ministry's web page via the following link: <https://www.ontario.ca/page/total-trihalomethane-thm-reporting-requirements-technical-bulletin>

SAC fax: 1 800 268-6061 or 416 325-3011

SAC e-mail: [moe.sac.moe@ontario.ca](mailto:moe.sac.moe@ontario.ca)

Provincial standards for water quality are set out in:

[Safe Drinking Water Act, 2002](#)

[Ontario Regulation 169/03 \(Water Quality Standards\)](#)

[Ontario Regulation 170/03 \(Drinking Water Systems\)](#)

Failure to notify these parties in accordance with the Regulation constitutes an offence under the *Safe Drinking Water Act*. A copy of this form may be acquired through the MOECC public web site ([www.ontario.ca/drinkingwater](http://www.ontario.ca/drinkingwater)) or by contacting any MOECC office.

Collection of information on this form is done in accordance with the [Safe Drinking Water Act, 2002](#) and its Regulations. Information gathered herein, including personal information, is governed by the *Freedom of Information and Protection of Privacy Act* (FIPPA) and may be disclosed to other government agencies (including municipal health unit employees) pursuant to 'Section 42' of the FIPPA for the consistent purpose of administering any Act or program that pertains to drinking water safety. For questions and concerns, please contact the Ministry of Environment and Climate Change at 1 866 793-2588.

## Notices of Adverse Test Results and Issue Resolution (Schedule 16)

Drinking Water Systems Regulation (O. Reg. 170/03)

Fields marked with an asterisk (\*) are mandatory.

### Section 2B – Notice Of Issue Resolution – Section 16-9 (O. Reg. 170/03)

#### DWS Information

DWS Name \*

Town of Tecumseh water distribution

DWS Number \*

260004969

#### DWS Contact Name

Last Name \*

Dupuis

First Name \*

Brad

Telephone Number (including area code) \*

519 791-6509

Fax Number (including area code)

519 735-1895

Email Address

bdupuis@tecumseh.ca

Initial AWQI Number<sup>1</sup> \*

138775

Date Resolved (yyyy/mm/dd) \*

2018/02/23

Date Resolution Notice Provided (yyyy/mm/dd) \*

2018/02/23

Are there previous re-sample AWQI Numbers? \*

☐ Yes ☒ No

If known, please provide All Other Resample AWQI Numbers<sup>2</sup>

Summary of Action Taken and Results Achieved (include test results showing water quality is no longer adverse) \*

Flush and re-sample as per Ministry of Health. (Philip Wong- manager environmental health)

(3) samples to be collected. (1) up-stream, (1) down-stream, and (1) at point source where adverse sample found.

See attached map for reference.

Brad Contacted the Ministry of Environment Spills Action Centre and spoke with Aaron Daya (environmental officer) at 4:30pm advising him of the adverse condition. (Feb 21, 2018)

The watermain on County Rd #34 has been flushed.

1st set of samples were taken to Caduceon Environmental Laboratories Feb 21, 2018 at 5:30pm by water operator Reg Morin

(1) service is downstream of the adverse sample (6255 Manning Rd). As a precaution, the Windsor-Essex County Health Unit advised that a boil-water advisory is required to that residence. Public notification has been issued to the affected property advising of the adverse water sample and the need for boiling the water prior to human consumption. Notification letter was deliver to residence of 6255 Manning Rd by water operator Vern Rorai. Brad spoke with Nikola Radakovic (home owner) informing him of boil water advisory. Nikola advised Brad that no one is living at that residence. (Feb 22, 2018)

Caduceon Environmental Laboratories stated on Feb 22, 2018 that the 1st set of samples was found to be clear (nothing found)

2nd set of samples were collected and delivered to Caduceon Environmental Laboratories Feb 22, 2018 at 5:35pm by water operator Vern Rorai

Caduceon Environmental Laboratories stated on Feb 23, 2018 that the 2nd set of samples was found to be clear (nothing found).

Brad Contact the Windsor-Essex County Health Unit, advised Philip Wong that two consecutive samples came back clear (nothing found). Notification letter was created by the WECHU informing the residence of 6255 Manning Rd.

that they may discontinue the Boil Water Advisory precautions.

Brad delivered the notification letter to residence of 6255 Manning Rd and informed Nikola Radakovic (home owner) the precautionary boil water advisory has been lifted by the WECHU.

Was an Advisory Issued by the Health Unit? *	Advisory Type *	Date Issued (yyyy/mm/dd)
<input checked="" type="checkbox"/> Yes	Boil Water	2018/02/22
<input type="checkbox"/> No <input type="checkbox"/> Self Imposed Advisory		

If Rescinded, please select date the advisory was rescinded

Date Rescinded (yyyy/mm/dd)

2018/02/23

Other (Include Health Unit Directions and any additional attachments)

Under the direction of the Windsor Essex County Health Unit, the (1) resident that was effected by the adverse sample has been informed that the precautionary boil water has been lifted.

Brad Dupuis informed resident (Feb 23, 2018)

See attached letter for reference

Attached File Name	Created	Modified	Size (MB)	Remove Selected File
WECHU precautionary boil water 6255 Mannir	02/23/2018 13:49:4	02/23/2018 13:49:46	0.27	<input type="checkbox"/>
1st set of samples.pdf	02/23/2018 13:57:3	02/23/2018 13:57:34	0.2	<input type="checkbox"/>
Map of area for reference.pdf	02/23/2018 14:10:3	02/23/2018 14:10:38	0.08	<input type="checkbox"/>
2nd set of samples.pdf	02/23/2018 16:19:4	02/23/2018 16:19:42	0.2	<input type="checkbox"/>
WECHU precautionary boil water 6255 Mannir	02/23/2018 16:21:1	02/23/2018 16:21:13	0.04	<input type="checkbox"/>
Number of attachments			5	

Prepared By \*

Brad Dupuis

Signature

Bradley Dupuis

Date (yyyy/mm/dd) \*

2018/02/23

Additional Comments



Do you have another adverse to report? ☐ Yes ☒ No

<sup>1</sup> The original adverse test result.

<sup>2</sup> When resolving an AWQI state all resample AWQI number's associated with the initial AWQI. For example, if there is an adverse test result of Total Coliform one of the corrective actions is to resample. If the resample came back adverse then you resample again. You need to continue to resample until the test results for two consecutive sets of samples taken 24 to 48 hours apart are clear or as directed by the Health Unit. At this point, the incident is resolved. Submit the AWQI form and include all related AWQI number's (Initial AWQI number and any Resample AWQI number) on the same Section 2B. This eliminates the requirement to submit a Section 2B form for every adverse test result associated with one incident. If the first resample test result is clear then this section does not apply. For THM's, drinking water system owners/operators are not required to take resamples as part of the prescribed corrective actions; unless directed by the Health Unit.



Occupants of:

6255 Manning Rd.

Dear Occupant(s),

The Town of Tecumseh Public Works Department has informed you that the water line serving your residence has been possibly contaminated.

As a precaution, I am advising you to use bottled water or water that has been brought to a rolling boil for at least one minute for drinking or food preparation.

Attached to this letter is an information sheet which provides more detailed instructions on precautionary measures.

Your water service will be flushed and tested to ensure your safety. The Town of Tecumseh Public Works Department will notify you when this has been completed.

If you have any questions, please contact the Environmental Health Department at 519-258-2146, ext. 4475.

Sincerely,



Philip Wong, Manager  
Environmental Health Department

PW/la



JUST THE FACTS

# SAFE WATER **DRINKING**



## Why has this BWA been issued?

A BWA has been issued because recent conditions or concerns may have adversely affected the quality or safety of your potable water supply.

A BWA is put in place to protect you from harmful organisms that may be in your water and can make you and your family sick.

## **BOIL WATER ADVISORY (BWA)**

**PRECAUTIONARY MEASURES  
FOR RESIDENTIAL SETTINGS**

### **What do you do during a BWA?**

Windsor-Essex County Health Unit advises that all water used for consumption must be either boiled or be commercially bottled water. Home filtration devices (filters) do not kill bacteria. In your home, these devices could be portable, plumbed-in, or faucet mounted.

- To boil, water must be heated to a **rolling boil for at least one (1) minute** to kill all disease-causing microorganisms prior to use. The water should then be cooled and stored in a clean, covered container and refrigerated until you are ready to use it.

*In addition to using boiled water for people and pets to drink, you must also use it for making ice cubes, preparing foods and beverages, washing fruits and vegetables, and brushing teeth.*

### **You can continue to use your tap water for...**

- **Handwashing**
- **Laundry**
- **Showering/Bathing**

Adults may continue to use the supply, as long as the water is not swallowed.

*Young children, immunocompromised, as well as individuals with skin lesions or open wounds should take sponge baths with boiled water.*

## Besides drinking, what should boiled water be used for?



### **Food Preparation**

This includes but is not limited to ready to eat foods such as fruits and vegetables, concentrated fruit drinks, and breast milk substitutes (formula). However, when preparing food which requires boiling, you may do so as long as water is brought to a hard boil for at least one (1) minute. Discard all food and beverages previously made with water, such as ice cubes, breast milk substitutes (formula), and juices. Disinfect all containers with a household bleach solution described below and remake with boiled water.



### **Infant Feeding**

Only boiled water should be used if you are feeding infants with a breast milk substitute (formula) or washing infant feeding supplies. Bottled water should be boiled as well to ensure that any potential bacteria are removed. Keep in mind that mixing juices and other foods should all be done with boiled water when feeding your infant or child during a BWA.



### **Dishwashing**

Hand dishwashing can be done in the usual manner with hot tap water, however final rinse should be done with boiled or bottled water, or disinfected in a **bleach solution of 20mL (4 teaspoons) of unscented household bleach to 10 L of lukewarm water**. Dishes should be left to air dry.

Mechanical dishwashers may be used as long as a chlorinated detergent is used (read product label) in the cycle, or there is a sanitizing cycle (check owner's manual).



### **Brushing Teeth**

Use boiled or bottled water.

### **Waterborne Outbreak**

In the event of a waterborne outbreak, extra precautions may be required including: using the bleach solution or an alcohol based disinfectant on the hands after handwashing, allowing dishes to soak in the bleach solution for 1 minute before air drying, and sponge bathing only. Follow the advice of the Health Unit regarding additional precautions in the event of an outbreak.



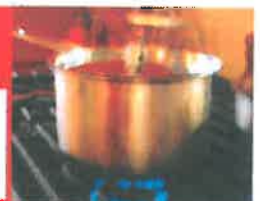
## **YOUR HEALTH IS OUR CONCERN.**

Continue with these procedures until you have been notified by the Windsor-Essex County Health Unit that the boil water advisory has been lifted. Be sure to follow any instructions provided regarding flushing pipes before use.

**FOR MORE INFORMATION ON SAFE WATER OR WATER ADVISORIES**

Contact the **WINDSOR-ESSEX COUNTY HEALTH UNIT**

**www.wechu.org | 519-258-2146 ext. 4475**



#### References:

Health Canada. (2015). *Guidance for issuing and rescinding boil water advisories in Canadian drinking water supplies*. Retrieved from <http://www.healthycanadians.gc.ca/publications/healthy-living-vie-saine/water-advisories-avis-eau/index-eng.php>

Health Canada. (2008). *Boil water advisories and boil water orders*. Retrieved from <http://www.hc-sc.gc.ca/ewh-semt/pubs/water-eau/boil-ebullition-eng.php>



**C.O.C.: DW1802211730-W**

**REPORT No. B18-04598**

**Report To:**

**Town of Tecumseh**  
1189 LaCasse Blvd,  
Tecumseh Ontario N8N 2C7 Canada

**Attention:** Denis Berthiaume

**Caduceon Environmental Laboratories**

3201 Marentette Ave. Unit #5

Windsor ON N8X 4G3

Tel: 519-966-9541

Fax: 519-966-9567

**DATE RECEIVED:** 21-Feb-18

**JOB/PROJECT NO.:** Town of Tecumseh

**DATE REPORTED:** 22-Feb-18

**P.O. NUMBER:**

**SAMPLE MATRIX:** Drinking Water

**WATERWORKS NO.** 260004969

Parameter			Total Coliform	E coli			
Units			cfu/100mL	cfu/100mL			
R.L.			1	1			
Reference Method			MOE E3407	MOE E3407			
Date Analyzed/Site			21-Feb-18/W	21-Feb-18/W			
Client I.D.	Sample I.D.	Date Collected					
Manning/Cty. Rd #34/Auto Flusher	B18-04598-1	21-Feb-18	0	0			
F.H. 2m East of Auto Flusher on Cty. Rd#34	B18-04598-2	21-Feb-18	0	0			
F.H. Upstream Cty.Rd#34	B18-04598-3	21-Feb-18	0	0			

*M. Dubien*

R.L. = Reporting Limit

Test methods may be modified from specified reference method unless indicated by an \*

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill,B-Barrie

Michelle Dubien  
Lab Manager

The analytical results reported herein refer to the samples as received. Reproduction of this analytical report in full or in part is prohibited without prior consent from Caduceon Environmental Laboratories.

# DRINKING WATER SUBMISSION FORM



Indicate Laboratory Samples are Submitted to

☐ Kingston ☐ Ottawa ☐ Windsor ☐ Peterborough

Organization: **Town of Tecumseh**

Contact: **Denis Berthiaume**

Tel: 519-991-7071

Fax: 519-735-1895

Public Health Unit: 519-258-2146

Quote No.: 260004969

Waterworks No.: 260004969

Project Name/No.: Town of Tecumseh

P.O. No.:

Email: dberthiaume@tecumseh.ca

Invoicing Address (if different):

Waterworks Address: Town of Tecumseh, 1189 Lacasse Blvd., Tecumseh ONT, N8N 2C7

Waterworks No.: 260004969

Quote No.: 260004969

Project Name/No.: Town of Tecumseh

P.O. No.:

Email: dberthiaume@tecumseh.ca

Invoicing Address (if different):

Waterworks Address: Town of Tecumseh, 1189 Lacasse Blvd., Tecumseh ONT, N8N 2C7

Waterworks No.: 260004969

Quote No.: 260004969

Project Name/No.: Town of Tecumseh

P.O. No.:

Email: dberthiaume@tecumseh.ca

Invoicing Address (if different):

Waterworks Address: Town of Tecumseh, 1189 Lacasse Blvd., Tecumseh ONT, N8N 2C7

Waterworks No.: 260004969

Quote No.: 260004969

Project Name/No.: Town of Tecumseh

P.O. No.:

Email: dberthiaume@tecumseh.ca

Invoicing Address (if different):

Waterworks Address: Town of Tecumseh, 1189 Lacasse Blvd., Tecumseh ONT, N8N 2C7

Waterworks No.: 260004969

Quote No.: 260004969

Project Name/No.: Town of Tecumseh

P.O. No.:

Email: dberthiaume@tecumseh.ca

Invoicing Address (if different):

Waterworks Address: Town of Tecumseh, 1189 Lacasse Blvd., Tecumseh ONT, N8N 2C7

Waterworks No.: 260004969

Quote No.: 260004969

Project Name/No.: Town of Tecumseh

P.O. No.:

Email: dberthiaume@tecumseh.ca

Invoicing Address (if different):

Waterworks Address: Town of Tecumseh, 1189 Lacasse Blvd., Tecumseh ONT, N8N 2C7

Waterworks No.: 260004969

Quote No.: 260004969

Project Name/No.: Town of Tecumseh

## DRINKING WATER FACILITY CLASSIFICATION

☒ Municipal ☐ Non-Municipal ☒ Reg. 170/03  
☒ Large ☐ Small ☐ Reg. 318/08 & 319/08  
☐ Residential ☐ Non-Residential ☐ Reg. 243/07  
☐ Seasonal ☐ Year-Round ☐ Private Well Water  
☐ Other:

REPORT NUMBER (Lab Use)

Invoicing Address (if different):

Waterworks Address: Town of Tecumseh, 1189 Lacasse Blvd., Tecumseh ONT, N8N 2C7

Waterworks No.: 260004969

Quote No.: 260004969

Project Name/No.: Town of Tecumseh

P.O. No.:

Email: dberthiaume@tecumseh.ca

Invoicing Address (if different):

Waterworks Address: Town of Tecumseh, 1189 Lacasse Blvd., Tecumseh ONT, N8N 2C7

Waterworks No.: 260004969

Quote No.: 260004969

Project Name/No.: Town of Tecumseh

P.O. No.:

Email: dberthiaume@tecumseh.ca

Invoicing Address (if different):

Waterworks Address: Town of Tecumseh, 1189 Lacasse Blvd., Tecumseh ONT, N8N 2C7

Waterworks No.: 260004969

Quote No.: 260004969

Project Name/No.: Town of Tecumseh

P.O. No.:

Email: dberthiaume@tecumseh.ca

Invoicing Address (if different):

Waterworks Address: Town of Tecumseh, 1189 Lacasse Blvd., Tecumseh ONT, N8N 2C7

Waterworks No.: 260004969

Quote No.: 260004969

Project Name/No.: Town of Tecumseh

P.O. No.:

Email: dberthiaume@tecumseh.ca

Invoicing Address (if different):

Waterworks Address: Town of Tecumseh, 1189 Lacasse Blvd., Tecumseh ONT, N8N 2C7

Waterworks No.: 260004969

Quote No.: 260004969

Project Name/No.: Town of Tecumseh

P.O. No.:

Email: dberthiaume@tecumseh.ca

Invoicing Address (if different):

Waterworks Address: Town of Tecumseh, 1189 Lacasse Blvd., Tecumseh ONT, N8N 2C7

Waterworks No.: 260004969

Quote No.: 260004969

Project Name/No.: Town of Tecumseh

P.O. No.:

Email: dberthiaume@tecumseh.ca

Invoicing Address (if different):

Waterworks Address: Town of Tecumseh, 1189 Lacasse Blvd., Tecumseh ONT, N8N 2C7

Waterworks No.: 260004969

Quote No.: 260004969

Project Name/No.: Town of Tecumseh

P.O. No.:

Email: dberthiaume@tecumseh.ca

Invoicing Address (if different):

Waterworks Address: Town of Tecumseh, 1189 Lacasse Blvd., Tecumseh ONT, N8N 2C7

TURNAROUND TIME REQUESTED

ANALYSES REQUESTED

Microbiological

Chemical

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

TURNAROUND TIME REQUESTED

ANALYSES REQUESTED

Microbiological

Chemical

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

TURNAROUND TIME REQUESTED

ANALYSES REQUESTED

Microbiological

Chemical

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

TURNAROUND TIME REQUESTED

ANALYSES REQUESTED

Microbiological

Chemical

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

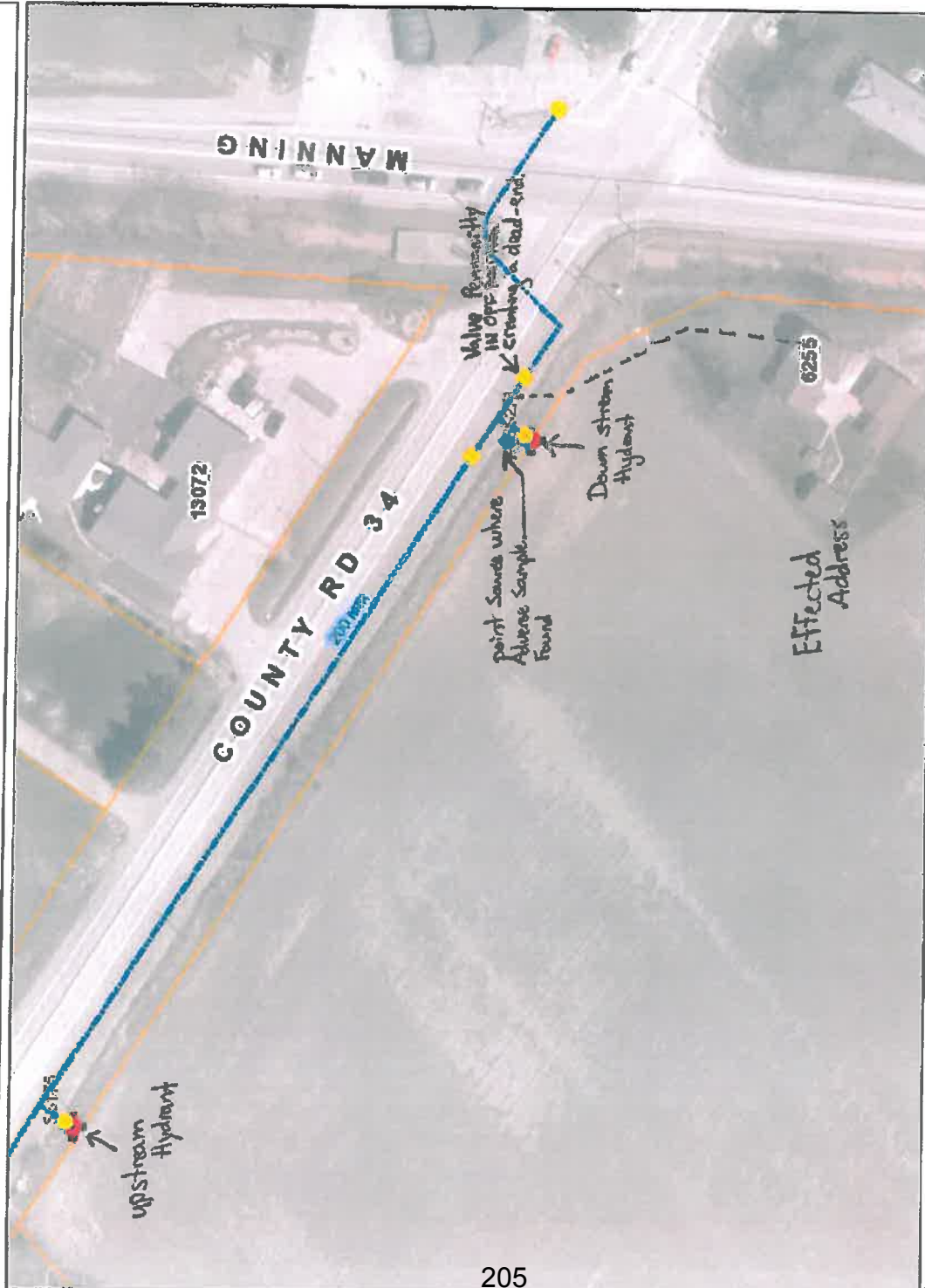
Other

Other

Other



## Town of Tecumseh Mapping

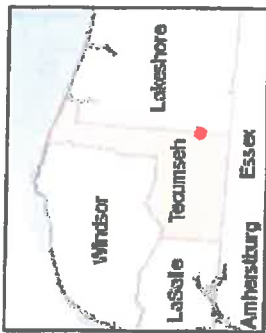


205

Notes

Enter Map Description

THIS MAP IS NOT TO BE USED FOR NAVIGATION  
Copyright the Town of Tecumseh, 2016. Data herein is provided by the Town of Tecumseh on an 'as is' basis. Assessment parcel provided by Taranet Enterprises Inc. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.



### Legend

- Water Valve
- Water Sampling Station
- Hydrants
  - Prohibited, Active
  - Town of Tecumseh, Active
  - Other Ownership, Active
  - City of Windsor, Active
  - Other Ownership, Removed
  - Town of Tecumseh, Removed
- Water AutoFlush Station
- Watermain
  - Abandoned
  - Active
  - Inactive
  - Proposed
  - Removed
  - Unknown
- Water Lateral Line
  - Other
  - Active
- Address
- Tecumseh Assessment (Tax F MPAC Nov 3, 2017)
- Lake
- Street Centreline
- Rail Road
- Parcels

16.98 34.0 Meters

1:1,019

2/22/2018

**C.O.C.: DW1802221735-W**

**REPORT No. B18-04696**

**Report To:**

**Town of Tecumseh**  
1189 LaCasse Blvd,  
Tecumseh Ontario N8N 2C7 Canada

**Attention:** Denis Berthiaume

**Caduceon Environmental Laboratories**

3201 Marentette Ave. Unit #5

Windsor ON N8X 4G3

Tel: 519-966-9541

Fax: 519-966-9567

**DATE RECEIVED:** 22-Feb-18

**JOB/PROJECT NO.:** Town of Tecumseh

**DATE REPORTED:** 23-Feb-18

**P.O. NUMBER:**

**SAMPLE MATRIX:** Drinking Water

**WATERWORKS NO.** 260004969

Parameter	Total Coliform	E coli			
Units	cfu/100mL	cfu/100mL			
R.L.	1	1			
Reference Method	MOE E3407	MOE E3407			
Date Analyzed/Site	22-Feb-18/W	22-Feb-18/W			
Client I.D.	Sample I.D.	Date Collected			
Manning/Cty.Rd #34/Auto Flusher-Resample	B18-04696-1	22-Feb-18	0	0	
F.H. 2m East of Auto Flusher on Cty Rd.#34-Resampl	B18-04696-2	22-Feb-18	0	0	
F.H. Upstream/Cty.Rd.#34-Resample	B18-04696-3	22-Feb-18	0	0	



**Lorina Merko**  
Lab Supervisor

R.L. = Reporting Limit

Test methods may be modified from specified reference method unless indicated by an \*

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill,B-Barrie

The analytical results reported herein refer to the samples as received. Reproduction of this analytical report in full or in part is prohibited without prior consent from Caduceon Environmental Laboratories.







519-258-2146 | [www.wechu.org](http://www.wechu.org)

Windsor 1005 Ouellette Avenue, Windsor, ON N9A 4J8  
Essex 360 Fairview Avenue West, Suite 215, Essex, ON N8M 3G4  
Leamington 33 Princess Street, Leamington, ON N8H 5C5

Occupants of:

6255 Manning Rd.

Dear Occupants,

Staff from The Town of Tecumseh Public Works Department has informed me that the maintenance on the water line serving your residence has been flushed and tested to the satisfaction of the Windsor-Essex County Health Unit.

You may discontinue the Boil Water Advisory precautions.

If you have any questions, please contact the Environmental Health Department at (519) 258-2146, ext. 4475.

Sincerely,

A handwritten signature in black ink, appearing to be "Philip Wong", written over a horizontal line.

Philip Wong, Manager  
Environmental Health Department

PW/la

## Brad Dupuis

---

**From:** Brad Dupuis  
**Sent:** February-21-18 5:28 PM  
**To:** COUNCIL; Tony Haddad  
**Cc:** Daniel Piescic; Phil Bartnik; Kirby McArdle; Cheryl Curran; Debbie Kelly; Brad Dupuis; Denis Berthiaume  
**Subject:** Adverse Water Sample - County Road 34 & Manning

Good evening,

Town of Tecumseh Water Services received a call at approximately 3:30pm today from Caduceon Laboratory (they provide weekly water testing for the Town of Tecumseh) . A water sample taken on Tuesday February 20, 2018, from a sampling station located across from 13072 County Road 34 was found to be adverse. Windsor Essex County Health Unit and the Ministry of the Environment Spills Action Centre as mandated by Reg 170 have been notified. As a precaution, The Windsor Essex County Health Unit has advised that water resampling is required at the location of the adverse along with 1 sample upstream and 1 sample downstream. The Windsor Essex County Health Unit has decided that a boil water advisory to the resident's in this area **will not** be necessary. A license water operator is presently on site to sample and to deliver the new samples to the lab tonight. Water Services will provide updated information as it is received. Should you have any questions or concerns regarding this adverse sample, please contact myself @ 519-818-9611 or Brad Dupuis @ 519-791-6509.

Regards,

Denis

Brad Dupuis

## Brad Dupuis

---

**From:** Brad Dupuis  
**Sent:** February-23-18 4:34 PM  
**To:** COUNCIL; Tony Haddad  
**Cc:** Daniel Piescic; Phil Bartnik; Kirby McArdle; Cheryl Curran; Debbie Kelly; Denis Berthiaume  
**Subject:** RE: Adverse Water Sample - County Road 34 & Manning

Good evening,

All samples have passed laboratory tests, the adverse has been lifted by the Windsor-Essex County Health Unit. Should you have any questions or concerns, please contact myself @ 519-791-6509 or Denis @ 519-818-9611

Regards,

---

**From:** Brad Dupuis  
**Sent:** February-21-18 5:28 PM  
**To:** COUNCIL; Tony Haddad  
**Cc:** Daniel Piescic; Phil Bartnik; Kirby McArdle; Cheryl Curran; Debbie Kelly; Brad Dupuis; Denis Berthiaume  
**Subject:** Adverse Water Sample - County Road 34 & Manning

Good evening,

Town of Tecumseh Water Services received a call at approximately 3:30pm today from Caduceon Laboratory (they provide weekly water testing for the Town of Tecumseh) . A water sample taken on Tuesday February 20, 2018, from a sampling station located across from 13072 County Road 34 was found to be adverse. Windsor Essex County Health Unit and the Ministry of the Environment Spills Action Centre as mandated by Reg 170 have been notified. As a precaution, The Windsor Essex County Health Unit has advised that water resampling is required at the location of the adverse along with 1 sample upstream and 1 sample downstream. The Windsor Essex County Health Unit has decided that a boil water advisory to the residents in this area **will not** be necessary. A license water operator is presently on site to sample and to deliver the new samples to the lab tonight. Water Services will provide updated information as it is received. Should you have any questions or concerns regarding this adverse sample, please contact myself @ 519-818-9611 or Brad Dupuis @ 519-791-6509.

Regards,

Denis



\*\*\*PLEASE PRINT ALL INFORMATION\*\*\*

Document Verified by  
(Initials Only)

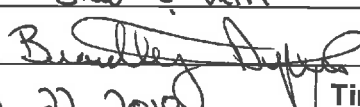
BD

<b>Date Received:</b> February 21 <sup>st</sup> , 2018	<b>Time Received:</b> 3:30 pm
<b>Name of Customer:</b> Town of Tecumseh	
<b>Address/Location:</b> Manning / Cnty Rd #34 Auto-Flusher	<b>Telephone No.:</b> 519-735-2184
<b>INSTRUCTIONS</b>	
Adverse Water Sample Reported by Caduceon Environmental Labs M.O.H. Issued a precautionary Boil Water at (1) Residence (6255 Manning Rd) Flush and Sample upstream, Pointsource and Downstream As Per M.O.H.	
<b>WORK PERFORMED AND COMMENTS</b>	
Started flushing Watermain @ 4:25pm 1 <sup>st</sup> Set of Samples were taken 3 total	
① Pointsource → Auto-flusher 0.74 ppm Free @ 4:46pm	
① Downstream → Fire Hydrant east of Auto-flusher 0.74 ppm Free @ 4:47pm	
① Upstream → Fire Hydrant west of Auto-flusher 0.79 ppm Free @ 5:01 pm	
<b>MATERIALS USED</b>	
Delivered ③ Samples to lab at 5:30pm	
<b>Operator Name (print):</b> Vern, Reg	
<b>Operator Signature:</b> <i>Vern Reg</i>	
<b>Date Completed:</b> February 21 <sup>st</sup> , 2018	<b>Time Completed:</b> 6:00 pm

\*\*\*PLEASE PRINT ALL INFORMATION\*\*\*

Document Verified by  
(Initials Only)

BD

<b>Date Received:</b> Feb 22, 2018	<b>Time Received:</b> 7:00am
<b>Name of Customer:</b> Nikola Radakovic	
<b>Address/Location:</b> 6255 Manning Rd.	<b>Telephone No.:</b> 519-944-4859
<b>INSTRUCTIONS</b>	
Deliver letter From Windsor Essex County Health Unit to 6255 Manning Rd for a precautionary Boil Water Advisory	
<b>WORK PERFORMED AND COMMENTS</b>	
Vern Rami: Delivered letter to 6255 Manning Rd.	
Brad Dupuis Spoke with Nikola Radakovic informing him of the letter. Nikola informed Brad that the house is unoccupied.	
<b>MATERIALS USED</b>	
<b>Operator Name (print):</b> Brad & Vern	
<b>Operator Signature:</b> 	
<b>Date Completed:</b> Feb 22, 2018	<b>Time Completed:</b> 9:40am

\*\*\*PLEASE PRINT ALL INFORMATION\*\*\*

Document Verified by  
(Initials Only)


BD

<b>Date Received:</b> February 22 <sup>nd</sup> , 2018	<b>Time Received:</b> 4:00pm
<b>Name of Customer:</b> Town of Tecumseh	
<b>Address/Location:</b> Manning/Cnty Rd #34 Auto-Flusher	<b>Telephone No.:</b> 519-735-2184
<b>INSTRUCTIONS</b>	
Adverse Water Sample	
Take 2 <sup>nd</sup> Set of Samples	
<b>WORK PERFORMED AND COMMENTS</b>	
2 <sup>nd</sup> Set of Samples were taken 3 total <i>STARTED FLUSHING AT 4:00PM</i>	
① Pointsource → Auto flusher 0.77 ppm Free @ 5:02 pm	
① Downstream → Fine Hydrant east of Auto-flusher 0.80 ppm Free @ 5:03 pm	
① Upstream → Fine Hydrant west of Auto-flusher 0.80 ppm Free @ 5:14 pm	
Delivered (3) Samples to lab at 5:35 pm	
<b>MATERIALS USED</b>	
<b>Operator Name (print):</b> VERN RORA	
<b>Operator Signature:</b> <i>Vern Rora</i>	
<b>Date Completed:</b> February 22 <sup>nd</sup> , 2018	<b>Time Completed:</b> 6:00 PM

\*\*\*PLEASE PRINT ALL INFORMATION\*\*\*

Document Verified by  
(Initials Only)

BD

<b>Date Received:</b> Feb 23, 2018	<b>Time Received:</b> 3:59 pm
<b>Name of Customer:</b> Nikola Radakovic	
<b>Address/Location:</b> 6255 Manning Rd.	<b>Telephone No.:</b> 519-944-4859
<b>INSTRUCTIONS</b>	
Deliver letter From Windsor Essex County Health Unit to 6255 Manning Rd to discontinue the Boil Water Advisory precautions	
<b>WORK PERFORMED AND COMMENTS</b>	
Brad Delivered letter to 6255 Manning Rd. Brad Spoke with Nikola Radakovic informing him of the letter stating Boil Water Advisory precautions are lifted.	
<b>MATERIALS USED</b>	
<b>Operator Name (print):</b> Brad Dupuis	
<b>Operator Signature:</b> 	
<b>Date Completed:</b> Feb 23, 2018	<b>Time Completed:</b> 5:30 pm





## The Corporation of the Town of Tecumseh

Public Works & Environmental Services

**To:** Mayor and Members of Council

**From:** Kirby McArdle, Manager Roads & Fleet

**Date to Council:** February 12, 2019

**Report Number:** PWES-2019-07

**Subject:** 2019 Supply of Various Vehicles

---

### Recommendations

It is recommended:

**That** Administration **be authorized** to obtain quotations for the 2019 Supply of Various Vehicles as follows:

Appendices	Department	Vehicle	Estimated Price
Appendix A	Public Works	PW 12-12 2500 Crew Cab	\$35,000
	Parks	P 06-12 2500 4x4 Crew Cab – Plow Package	\$37,000
		P 31-16 Jacobson R311T Mower	\$44,000
		P 36-16 Kubota 331 Mower	\$15,000
		P 37-16 Kubota 331 Mower	\$15,000
	Water	W 06-11 Large Service Truck	\$85,000
		WE 10-04 Utility Trailer	\$2,600
	Recreation	AE 03-98 Zamboni	\$110,000
		Subtotal Appendix A	\$343,600
Appendix B	Fire	n/a	\$0
		Subtotal Appendix B	\$0
		Total Appendix A+B	\$343,600

**And that** the following equipment **be declared** surplus and disposed of through Part VI, Disposal of Surplus or Scrap Materials and Equipment of the Town's Purchasing By-law:

Department	Vehicle	Unit Number	Year Purchased
Public Works	PW 12-12 2500 Crew Cab	PW 12-12	2011
Parks	P 06-12 2500 4x4 Crew Cab	P 06-12	2011
	Jacobson R311T Mower	P 31-16	2016
	Kubota 331 Mower	P 36-16	2016
	Kubota 331 Mower	P 37-16	2016
Water	W 06-11 Large Service Truck	W 06-11	2010
	WE 10-04 Trailer	WE 10-04	2004
Recreation	Zamboni (pre-approved)	AE 03-98	2009

**And further that** Appendix A titled "Town of Tecumseh 2019 – 2028 Ten Year Fleet Funding and Replacement Schedules" and Appendix B titled "Town of Tecumseh 2019 – 2028 Ten Year Fire and Rescue Services Apparatus Funding and Replacement Schedules" attached to Public Works & Environmental Services Report No. 2019-07 **be adopted** as amended;

**And furthermore that** funding for the purchase of the 2019 Supply of Various Vehicles outlined in Appendix A in the amount of \$343,600 plus associated costs for outfitting, \$13,500, for a total of \$357,100 **be funded** from the Fleet Lifecycle Reserve.

## Background

Council, at their meeting held January 30, 2018, adopted as amended the 2018-2027 Ten Year Fleet Replacement Schedule ("Fleet Replacement Schedule") as attached to the Public Works & Environmental Services Report No. 03/18 (Resolution RCM-20/18). The Fleet Replacement Schedule is used as a guideline for purchasing new vehicles in designated years. Council requested that a report be brought forward outlining the vehicles to be replaced on an annual basis for their information and consideration.

## Comments

According to the Fleet Replacement Schedule and in consultation with the Parks, Public Works, Fire & Rescue Services and Planning & Building Services, the following is provided for Council's consideration for 2019 replacements/additions:

### Public Works

1. PW 12-12: 2500 Crew Cab Truck - \$35,000

This vehicle has over 100,000 kilometers. It has been used daily for all Public Works functions (i.e. road patrol to service calls) and has reached its useful life. Administration

recommends continuing with the replacement schedule of eight years due to the conditions of use and the current practice of replacement prior to incurring considerable expenses for repairs.

## **Parks**

### **1. P 6-12: 2500 Crew Cab Pickup - \$37,000**

This truck was purchased in 2011 and has 94,000 kilometers. It has been used on a daily basis to tow heavy parks equipment and transport Parks crew for the regular maintenance of a number of parks. There are signs of heavy wear and tear on this vehicle due to the frequent short trips pulling heavy loads.

Administration recommends replacing this vehicle with a similarly configured truck since a crew cab is required to transport a crew of three to four people on a regular basis. At present, the Parks department has four crew cabs out of the fleet of eight trucks, which is sufficient to meet the transportation needs. The replacement schedule of eight years is appropriate prior to incurring considerable expense for repairs.

### **2. P 31-16: Jacobson R311T Mower - \$44,000**

This mower is one of two large mowers within the Parks fleet that undertakes the mowing of the larger parks and sports fields. This mower was purchased in 2016 and has 986 operating hours, approaching the ideal trade-in limit of 1,000 hours. This mower has been well maintained and has had relatively few major repairs, but is now out of warranty coverage and will be very costly to repair as it ages beyond four seasons of rigorous operation. By replacing this mower on a three-year schedule, we are receiving a respectable trade-in value with excellent performance from machines that are critical to the daily maintenance of the sports fields and parklands.

### **3. P 36-16 and P 37-16: Kubota 331 Mowers - \$30,000 (\$15,000 each)**

The Parks department has a fleet of six zero-turn mowers that are the workhorses of the day-to-day maintenance operations. Two of the mowers were purchased in 2016 and have 758 and 793 hours respectively, both under the ideal trade-in limit of 1,000 hours. They have been very dependable machines with no major repairs required, but they are now out of warranty and expensive repairs are likely to be required in future years. By replacing them now, we will receive excellent trade-in values, while getting new machines that will be covered under full two-year warranties.

## **Recreation**

### **1. AE 03-98: Zamboni Ice Resurfacer - \$110,000**

At the July 24, 2018 regular meeting of Council, Council authorized Administration to pre-order and purchase a Zamboni ice resurfacer as requested under Report No. PRS-2018-15 (Motion: RCM-231/18). The Zamboni ice resurfacer will be delivered within the timeframe set out in the fleet replacement schedule and paid for upon receipt.

## Water

### 1. W 06-11: Large Service Truck - \$85,000

There are 90,000 kilometers driven on this vehicle. The truck is one of two primary service trucks in the Water department. In recent years, this vehicle has had recurring engine problems (i.e., injector replacements and knocking) and exhaust issues due to emission requirements with diesel vehicles, all which have been costly to repair. This vehicle was the first year the Town utilized an aluminum service body and it is starting to lose its paint in some areas. The truck has reached the end of its useful service life and Administration therefore recommends continuing with the current replacement schedule of eight years due to conditions of use and the current practice of replacing vehicles prior to incurring excessive repairs.

### 2. W 10-04: Utility Trailer - \$2,600

This trailer is used to transport the department trench box and other large equipment required for watermain break repairs. The purchase of a replacement trailer has been deferred over the last few years due to the trailer's acceptable condition. It has now reached the end of its useful life and a replacement trailer is now required and recommended.

Accordingly, Administration recommends that Administration be authorized to obtain quotations for the 2019 Supply of Various Vehicles as follows:

Appendices	Department	Vehicle	Estimated Price
Appendix A	Public Works	PW 12-12 2500 Crew Cab	\$35,000
	Parks	P 06-12 2500 4x4 Crew Cab – Plow Package	\$37,000
		P 31-16 Jacobson R311T Mower	\$44,000
		P 36-16 Kubota 331 Mower	\$15,000
		P 37-16 Kubota 331 Mower	\$15,000
	Water	W 06-11 Large Service Truck	\$85,000
		WE 10-04 Utility Trailer	\$2,600
	Recreation	AE 03-98 Zamboni	\$110,000
		Subtotal Appendix A	\$343,600
Appendix B	Fire	n/a	\$0
		Subtotal Appendix B	\$0
		Total Appendix A+B	\$343,600



## Annual Fleet Replacement Costs

Appendix A (attached) provides an updated summary of the annual fleet replacement costs scheduled for each department. The updated schedules reflect adjustments to the future costs based on current equipment values. Administration recommends that Council adopt the updated Appendix A titled “Town of Tecumseh 2019 – 2028 Ten Year Fleet Funding Replacement Schedules” attached to Public Works & Environmental Services Report No. PWES-2019-07.

Appendix B (attached) provides an updated summary of the annual fire apparatus replacement costs scheduled for the Fire and Rescue Services department. The updated schedules reflect adjustments to the future costs based on current equipment values. Administration recommends that Council adopt the updated Appendix B titled “Town of Tecumseh 2019 – 2028 Ten Year Fire and Rescue Services Apparatus Funding and Replacement Schedules” attached to Public Works & Environmental Services Report No. PWES-2019-07.

Following Council’s approval of the report, Administration will prepare a “Request for Formal Quotes for Supply of Various Vehicles” (RFQ) with reference to the above noted vehicles to be replaced and in accordance with the Town’s Purchasing Policy. The RFQ will be advertised on the Town’s website. Each Manager will also prepare a list of Suppliers and send invitations to download the RFQ directly to each supplier.

## Green Fleet Considerations

Administration is continuing to investigate the Electric Vehicle Chargers Ontario (EVCO) grant program to create a network of public electric vehicle fast-charging stations. The EVCO program is designed to cover the purchase and installation cost of public fast-charging stations along major transportation corridors and in urban centres across the province.

## Surplus

Following Council’s approval of the recommendations within this report, and upon receipt of the new equipment, Administration proposes that the replaced vehicles be declared surplus and sold at Auction.

It is recommended that Council authorize Administration to declare the following equipment surplus and dispose of said equipment through Part VI, Disposal of Surplus or Scrap Materials and Equipment, of the Town’s Purchasing By-law:

Department	Vehicle	Unit Number	Year Purchased
Public Works	PW 12-12 2500 Crew Cab	PW 12-12	2011
Parks	P 06-12 2500 4x4 Crew Cab	P 06-12	2011
	Jacobson R311T Mower	P 31-16	2016
	Kubota 331 Mower	P 35-16	2016

Department	Vehicle	Unit Number	Year Purchased
	Kubota 331 Mower	P 37-16	2016
Water	W 06-11 Large Service Truck	W 06-11	2010
	WE 10-04 Trailer	WE 10-04	2004
Recreation	Zamboni (pre-approved)	AE 03-98	2009

The equipment can be disposed of through Part VI, Disposal of Surplus or Scrap Materials and Equipment, of the Town's Purchasing By-law that states:

- a) All departments shall notify the Treasurer when items become obsolete or surplus to their requirements to ascertain if the items can be of use by another department rather than disposed of.
- b) Items that are not claimed for use by another department may be offered for sealed bids, public auction or other public sale, depending in the opinion of the Treasurer on which method is most suitable for the equipment or material involved.
- c) A major auction shall be held annually or as required dependent upon individual circumstances such as delivery of replacement items and storage capacity.
- d) The revenue from the sale of obsolete material shall be credited to the appropriate account.

Surplus equipment and vehicles continue to be made available to Town employees through public auction as per Part VI of the Town's Purchasing By-law. Town staff will be notified of the date and location of the impending auction.

According to the Ten Year Fleet Replacement Schedules as referenced in Motion RCM-214/09, "As Fleet vehicles and Fire Apparatus are sold, net proceeds be allocated to the Fleet Lifecycle Reserve and Fire Apparatus Lifecycle Reserve respectively." The intent will be to follow the recommendation and place the net proceeds into the appropriate reserve.

## Consultations

Financial Services  
Parks & Recreation Services  
Planning & Building Services  
Fire & Emergency Services

## Financial Implications

The replacement values used in Appendices A and B are based on the original estimates provided by Covenco Ltd., in its report dated March 2007, adjusted forward for known changes based on recent purchases and quotes.

Funding for Town fleet purchases is accommodated through the Town's Lifecycle program, which includes two Lifecycle categories dedicated towards fleet replacement, i.e. Lifecycle Fire Apparatus and Lifecycle Fleet.

The funding allocations for Lifecycle categories are reviewed during the annual budget process. During the 2019 budget process, the annual allocation towards the Lifecycle Fire Apparatus category was increased by \$20,000 to address a projected irreversible reserve deficit. This deficit resulted from an update to the replacement cost for the Town's complement of four Engine/Rescue vehicles, based on a replacement cost review conducted in 2016 and an actual replacement cost incurred in 2018 for Pumper/Rescue 1.

In addition to the purchase cost of the vehicles there is an associated cost to "outfit" them for their intended use. The cost associated with outfitting each of the vehicles is \$2,700, for a total cost of \$13,500.

The estimated cost net of recoverable taxes is **\$343,600** plus \$13,500 associated retrofit costs, totalling **\$357,100**.

Administration recommends that funding for the purchase of the 2019 Supply of Various Vehicles plus associated costs for outfitting be funded from the Fleet Lifecycle Reserve in the approximate amount of **\$357,100**.

Under the current Schedule A, fleet replacement will be fully funded through the ten-year period.

Under the current Schedule B, fire and rescue apparatus replacement will be close to fully funded through the ten-year period, with the reserve projected to dip into a deficit position in 2028. Temporary dips into a deficit position can be expected from time to time for this lifecycle category when several vehicles are replaced during a short timeframe, which is anticipated during 2026-2029.

These vehicles are few in number, have longer replacement schedules, carry large replacement costs and are impacted by currency exchange fluctuations, which combined can potentially create a significant gap in actual replacement costs when the time comes to replace a vehicle and fluctuations between surplus and deficit for the reserve balance. Administration updates replacement costs for all units every five years to ensure the annual budget allocation is sufficient. The last such update was performed in 2016 and those updated replacement costs are reflected in Schedule B.

## Link to Strategic Priorities

Applicable	2017-18 Strategic Priorities
<input type="checkbox"/>	Make the Town of Tecumseh an even better place to live, work and invest through a shared vision for our residents and newcomers.
<input checked="" type="checkbox"/>	Ensure that the Town of Tecumseh's current and future growth is built upon the principles of sustainability and strategic decision-making.
<input type="checkbox"/>	Integrate the principles of health and wellness into all of the Town of Tecumseh's plans and priorities.
<input checked="" type="checkbox"/>	Steward the Town's "continuous improvement" approach to municipal service delivery to residents and businesses.
<input type="checkbox"/>	Demonstrate the Town's leadership role in the community by promoting good governance and community engagement, by bringing together organizations serving the Town and the region to pursue common goals.

## Communications

Not applicable ☒

Website ☐      Social Media ☐      News Release ☐      Local Newspaper ☐



This report has been reviewed by Senior Administration as indicated below and recommended for submission by the Chief Administrative Officer.

Prepared by:

Kirby McArdle, P.Eng.  
Manager Roads & Fleet

Reviewed by:

Phil Bartnik, P.Eng.  
Director Public Works & Environmental Services

Reviewed by:

Luc Gagnon, CPA, CA, BMath  
Director Financial Services & Treasurer

Recommended by:

Tony Haddad, MSA, CMO, CPFA  
Chief Administrative Officer

<b>Attachment Number</b>	<b>Attachment Name</b>
1	Appendix A – Summary Town of Tecumseh Fleet Replacement Schedule 2019 to 2028
2	Appendix A – Public Works Fleet Replacement Schedule 2019 to 2028
3	Appendix A – Parks Fleet Replacement Schedule 2019 to 2028
4	Appendix A – Water and Building Fleet Replacement Schedules 2019 to 2028
5	Appendix A – Administration Fleet Replacement Schedule 2019 to 2028
6	Appendix A – Recreation and Transit Fleet Replacement Schedules 2019 to 2028
7	Appendix B – Summary Fire and Rescue Apparatus Fleet

<b>Attachment Number</b>	<b>Attachment Name</b>
8	Replacement Schedule 2019 to 2028 Appendix B – Fire and Rescue Apparatus Fleet Replacement Schedule 2019 to 2028

**Appendix A**  
**Town of Tecumseh**  
**2019 - 2028 Ten Year Fleet Funding and Replacement Schedules**

**2019 - 2028 Ten Year Fleet Funding Schedule**

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Reserve Carried Forward	\$ 753,000	\$ 983,900	\$ 787,200	\$ 820,700	\$ 1,135,600	\$ 939,700	\$ 577,400	\$ 775,900	\$ 753,700	\$ 543,400
Fleet Lifecycle	\$ 405,000	\$ 405,000	\$ 405,000	\$ 405,000	\$ 405,000	\$ 405,000	\$ 405,000	\$ 405,000	\$ 405,000	\$ 405,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Provincial (Transit)	\$ 63,000	\$ -	\$ -	\$ -	\$ 63,000	\$ 63,000	\$ -	\$ -	\$ -	\$ 63,000
Water	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000
Wastewater	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000
<b>Total Funds Available</b>	<b>\$ 1,341,000</b>	<b>\$ 1,508,900</b>	<b>\$ 1,312,200</b>	<b>\$ 1,345,700</b>	<b>\$ 1,723,600</b>	<b>\$ 1,527,700</b>	<b>\$ 1,102,400</b>	<b>\$ 1,300,900</b>	<b>\$ 1,278,700</b>	<b>\$ 1,131,400</b>

**2019 - 2028 Ten Year Fleet Replacement Schedule**

Department	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Public Works	\$ 35,000	\$ 295,000	\$ 325,000	\$ 65,000	\$ 265,000	\$ 605,000	\$ 150,000	\$ 295,000	\$ 385,000	\$ 462,000
Parks	\$ 111,000	\$ 115,500	\$ 86,000	\$ 137,000	\$ 196,000	\$ 107,000	\$ 145,000	\$ 174,000	\$ 55,700	\$ 254,000
Water	\$ 87,600	\$ 160,000	\$ 37,000	\$ -	\$ 85,000	\$ 24,000	\$ -	\$ 32,000	\$ 212,600	\$ 55,000
Building	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ 18,000	\$ -	\$ -	\$ -
Administration	\$ -	\$ -	\$ -	\$ -	\$ 29,000	\$ -	\$ -	\$ -	\$ -	\$ -
Fire Command	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55,000	\$ 55,000
Recreation	\$ 110,000	\$ 110,000	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ -	\$ 50,000
Transit	\$ -	\$ -	\$ -	\$ -	\$ 190,000	\$ 190,000	\$ -	\$ -	\$ -	\$ 190,000
<b>Sub-total</b>	<b>\$ 343,600</b>	<b>\$ 705,500</b>	<b>\$ 478,000</b>	<b>\$ 202,000</b>	<b>\$ 765,000</b>	<b>\$ 926,000</b>	<b>\$ 313,000</b>	<b>\$ 531,000</b>	<b>\$ 708,300</b>	<b>\$ 1,066,000</b>
Committed - carry forward										
Outfitting (\$2k per vehicle)	\$ 13,500	\$ 16,200	\$ 13,500	\$ 8,100	\$ 18,900	\$ 24,300	\$ 13,500	\$ 16,200	\$ 27,000	\$ 27,000
<b>Total Expenditure</b>	<b>\$ 357,100</b>	<b>\$ 721,700</b>	<b>\$ 491,500</b>	<b>\$ 210,100</b>	<b>\$ 783,900</b>	<b>\$ 950,300</b>	<b>\$ 326,500</b>	<b>\$ 547,200</b>	<b>\$ 735,300</b>	<b>\$ 1,093,000</b>
<b>Ending Balance</b>	<b>\$ 983,900</b>	<b>\$ 787,200</b>	<b>\$ 820,700</b>	<b>\$ 1,135,600</b>	<b>\$ 939,700</b>	<b>\$ 577,400</b>	<b>\$ 775,900</b>	<b>\$ 753,700</b>	<b>\$ 543,400</b>	<b>\$ 38,400</b>

**Appendix A**  
**Town of Tecumseh**  
**2019 - 2028 Ten Year Fleet Replacement Schedule - Public Works**

Unit Number	License Number	Year Purchased	Type	Make	Replacement Value	Life Span (yrs)	Yrs	Year To Replace	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
PW 03-12	764 5NH	2011	Tandem axle pre wet w/wing	Mack (tandem axle pre wet w/wing)	\$ 290,000	7 to 10	10	2021			\$ 290,000							
PW 05-13	683 2ZE	2012	Single axle pre wet	Freightliner SD180 (single axle/pre wet)	\$ 230,000	7 to 10	11	2023					\$230,000					
PW 07-11	419 9ZK	2011	3500 Dump	Dodge 3500 Dump Body	\$ 65,000	10	10	2020		\$ 65,000								
PW 08-12	AC70996	2012	3500 Dump	Dodge 3500 Aluminum Dump Body	\$ 65,000	10	10	2022				\$ 65,000						
PW 02-18	733 8ZA	2018	1500 Ext Cab	GMC Ext Cab1500	\$ 35,000	8	8	2026								\$ 35,000		
PW 10-15	986 4MZ	2014	1500 Reg Cab	Dodge 1500 4X4	\$ 35,000	10	10	2024						\$ 35,000				
PW 09-12	AC14118	2012	1500 Ext Cab	Dodge Ext Cab1500	\$ 35,000	11	11	2023					\$35,000					
PW 11-12	AA41894	2011	1500 Ext Cab	Dodge Ext Cab1500	\$ 35,000	11	11	2021			\$ 35,000							
PW 12-12	AB62498	2012	2500 Crew Cab	GMC 2500 Crew Cab	\$ 35,000	7 to 10	7	2019	\$ 35,000								\$35,000	
PW 13-15	AJ49865	2014	Single axle pre wet	Mack (single axle pre wet )	\$ 230,000	7 to 10	10	2023						\$230,000				
PW 15-16	301 2RF	2015	Single axle pre wet	Freightliner SD180 (single axle/pre wet)	\$ 230,000	7 to 10	10	2026								\$230,000		
PW 06-18	654 2WJ	2018	1500 Ext Cab	Chevy Extended Cab 4 X 4-Storm Sewer	\$ 32,000	7 to 10	10	2028										\$32,000
PW 16-15	AJ49864	2014	Tandem axle w/wing	Mack (tandem axle w/wing)	\$ 290,000	7 to 10	11	2024						\$290,000				
PW 01-18	AV79091	2018	Tandem axle pre wet w/wing	Freightliner (tandem axle pre wet w/wing)	\$ 290,000	7 to 10	10	2027									\$290,000	
PW 04-10	285 3YN	2010	Single axle pre wet w/wing	International (single axle pre wet w/wing)	\$ 230,000	7 to 10	10	2020		\$ 230,000								
PW 14-18	AX41197	2018	1500 Reg Cab	Chevy Extended Cab 4x4 Truck- Drainage	\$ 30,000	7 to 10	10	2028										\$30,000
PWE 02-13		2013	Backhoe	Cat 420F Backhoe	\$ 110,000	10 to 15	15	2028										\$110,000
PWE 03-14		2014	Backhoe	Case 580 WT Backhoe	\$ 110,000	10 to 15	15	2029										
PWE 04-13	AS91207	2013	Sweeper	Elgin Whirlwind Sweeper	\$ 290,000	15 to 20	20	2028										\$290,000
PWE 05-01		2013		Trackless M6	\$ 150,000	10	12	2025							\$150,000			
PWE 05-01		2016	Flail Boom	Trackless Attachment-Flail Boom	\$ 30,000	10	10	2026								\$30,000		
PWE 11-12		2012	Tractor	Zetor Tractor with Bucket/Snow Box	\$ 60,000	15	15	2027									\$60,000	
PWE 12-17		2011	Skid Steer-Loader	Bobcat S-185 - from Parks Dept.	\$ 50,000	6	6	2024					\$50,000					
Total					\$ 2,957,000				\$ 35,000	\$ 295,000	\$ 325,000	\$ 65,000	\$ 265,000	\$ 605,000	\$150,000	\$ 295,000	\$ 385,000	\$462,000



**Appendix A**  
**Town of Tecumseh**  
**2019 - 2028 Ten Year Fleet Replacement Schedule - Parks**

Unit Number	Cost Center	VIN	License Number	Year Purchased	Type	Make	Replacement Value	Life Span (yrs)	Yrs	Calc Year Replace	Replace Override	Year To Replace	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
P1-17		1GT4CZBG6AF124618	AT6099	2017	2500 Crew Cab	Dodge 2500 H.D. Crew Cab	\$ 37,000	9	9	2026		2026								\$ 37,000		
P2-16		1GCEC14X68Z253650	AN82083	2016	1500 Reg Cab	Dodge 1500 Reg Cab	\$ 22,000	8	8	2024		2024						\$ 22,000				
P3-16		2GCEK19CX81181563	AN72492	2016	1500 Ext Cab	Dodge 1500 Crew Cab	\$ 29,000	8	8	2024		2024						\$ 29,000				
P4-18		1GT5CZBG8AZ177338	AY17009	2018	2500 Reg Cab	Dodge 2500 Reg Cab Long Box	\$ 35,000	8	8	2026		2026								\$ 35,000		
P5-12		1GTGC13U12F226820	AB62499	2012	2500 Crew Cab	GMC 2500 Crew Cab	\$ 31,000	10	10	2022		2022				\$ 31,000						
P6-12		3C6TD5CTXCG122764	AA41892	2011	2500 Crew Cab	Dodge 2500 Crew Cab	\$ 37,000	8	8	2019		2019	\$ 37,000								\$ 37,000	
P7-16		1FDRF3TG9GEA07027	AL64055	2016	3500 Dump	Ford 3500 with Dump body	\$ 65,000	10	10	2026		2025							\$ 65,000			
P8-16		1FTNPF21518EE16860	AN82084	2016	1500 Ext Cab	Dodge 1500 Extend Cab	\$ 35,000	8	8	2024		2024						\$ 35,000				
P50-11		A3NV14748		2017	Skid-Steer Loader	Kubota SSV75P Skid Steer	\$ 50,000	6	6	2023		2023					\$ 50,000					
P10-14		N/A		2014	Tractor - Utility	Kubota L4600 Tractor	\$ 20,000	8	8	2022		2023					\$ 20,000					
P11-15		N/A		2015	Tractor - Utility	Kubota 4701 Tractor	\$ 25,000	8	8	2023		2022				\$ 25,000						
P12-09		58530		2009	Tractor - Compact	Kubota B3030 HSDC Tractor	\$ 35,000	8	8	2017		2020		\$ 35,000								
P13-14		30288		2014	Tractor - Utility	Kubota L5460 Tractor	\$ 35,000	8	8	2022		2021			\$ 35,000							
P26-11		4P5D21021D1184583	K83 12T	2011	Trailer Dump	Trailer Dump 6'x10'	\$ 6,000	8	8	2019		2021			\$ 6,000							
P25-18		4P5D51027B1148997	H71 64X	2018	Trailer Dump	Trailer Landscape 12'	\$ 5,200	8	8	2026		2027								\$ 5,200		
P21-18		4P5U82025C2168349	R63 09J	2018	Trailer Landscape	Trailer Landscape 20'	\$ 6,000	8	8	2026		2027								\$ 6,000		
P22-14		2CPUSF2DOEA020374	L57 17L	2014	Trailer Landscape	Trailer Landscape 20' hard side	\$ 6,000	8	8	2022		2020		\$ 6,000							\$ 6,000	
P23-12		4P5T62021C1165763	J76 42W	2012	Trailer Tilt	Tilt Trailer 20'	\$ 7,500	7	7	2019		2020		\$ 7,500							\$ 7,500	
P24-14		2CPUSH2F4EA020987	L57 13S	2014	Trailer Flat Bed	Flat Bed 8 X 22 Trailer	\$ 7,000	8	8	2022		2022				\$ 7,000						
P20-17		4P5U82028B2159823	P61 25R	2017	Trailer Landscape	Trailer Lanscape 22'	\$ 6,000	8	8	2025		2025						\$ 6,000				
P31-16		E8000560		2016	Mower - Large Area Rotary	Jacobson RT311T Mower	\$ 44,000	3	3	2019		2019	\$ 44,000			\$ 44,000		\$ 44,000			\$ 44,000	
P30-18		7053901710		2018	Mower - Wide Area Rotary	Jacobson HR700 Mower	\$ 69,000	5	5	2023		2023				\$ 69,000					\$ 69,000	
P32-17		41864		2017	Mower - Zero-Turn	Kubota ZD1211 Mower	\$ 14,000	3	3	2020		2020		\$ 14,000		\$ 14,000			\$ 14,000			
P33-17		39692		2017	Mower - Zero-Turn	Kubota ZD1211 Mower	\$ 14,000	3	3	2020		2020		\$ 14,000		\$ 14,000			\$ 14,000			
P34-17		39054		2017	Mower - Zero-Turn	Kubota ZD331 Mower	\$ 14,000	3	3	2020		2020		\$ 14,000		\$ 14,000			\$ 14,000			
P36-16		37149		2016	Mower - Zero-Turn	Kubota 331 Mower	\$ 14,000	3	3	2019		2019	\$ 15,000			\$ 15,000		\$ 15,000			\$ 15,000	
P35-17		3855476		2017	Mower - Zero-Turn	Kubota ZD1211 Mower	\$ 15,000	3	3	2020		2020		\$ 15,000		\$ 15,000			\$ 15,000			
P37-16				2016	Mower - Zero-Turn	Kubota 331 Mower	\$ 15,000	3	3	2019		2019	\$ 15,000			\$ 15,000		\$ 15,000			\$ 15,000	
P42-16		27260		2016	Utility Vehicle	Kubota Utility 900 4X4	\$ 15,000	5	5	2021		2021			\$ 15,000				\$ 15,000			
P43-16		B0901		2016	Utility Vehicle	Kubota Utility 1100 4X4	\$ 15,000	5	5	2021		2021			\$ 15,000				\$ 15,000			
P46-16		B0901		2016	Utility Vehicle	Kubota Utility 900 4X4	\$ 15,000	5	5	2021		2021			\$ 15,000				\$ 15,000			
P40-08	9017	N/A		2018	Chipper	Vermeer Chipper VC1500	\$ 85,000	10	10	2028		2028									\$ 85,000	
P41-05		N/A		2005	Aerator	Aerway Airerator	\$ 10,000	15	15	2020		2020		\$ 10,000								
P60-13		781337		2013	Top Dresser	Dresser	\$ 20,000	15	15			2028									\$ 20,000	
P61-09				2009	Overseeder	Brillion Overseeder BOS4F2	\$ 15,000	15	15			2024						\$ 15,000				
P62-14		L1-144771		2014	Truck Bed Salter	Truck Bed Salter	\$ 6,000	10+	10+			2024						\$ 6,000				
Total							\$ 838,700															
													\$ 111,000	\$ 115,500	\$ 86,000	\$ 137,000	\$ 196,000	\$ 107,000	\$ 145,000	\$ 174,000	\$ 55,700	\$ 254,000

**Appendix A**  
**Town of Tecumseh**  
**2019 - 2028 Ten Year Fleet Replacement Schedule - Water**

Unit Number	License Number	Year Purchased	Type	Make	Replacement Value	Life Span (yrs)	Yrs	Year To Replace	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
W1-18	AX99047	2018	1500 Ext Cab	Dodge 3500 Cab and Service Body	\$ 55,000	7 to 10	10	2028										\$ 55,000
W2-14	AE93813	2013	1500 Ext Cab	Dodge 1500 Ext Cab	\$ 24,000	7 to 10	10	2024						\$ 24,000				
W3-14	657 5LM	2013	4500 Service	Ford F-450 Service Truck	\$ 85,000	7 to 10	10	2023					\$ 85,000					
W4-12	AA42014	2011	1500 Ext Cab	GMC Sierra Ext Cab Service Truck	\$ 50,000	7 to 10	9	2020		\$ 50,000								
W5-16	AL65110	2015	Tandem Axle	International Tandem Axle	\$ 210,000	7 to 10	11	2027									\$ 210,000	
W6-11	ZX3 479	2010	5500 Service	Ford F-550 HD Service Truck	\$ 85,000	7 to 10	10	2019	\$ 85,000									
W7-12	615 1KA	2011	1500 Ext Cab	Dodge 1500 Ext Cab	\$ 37,000	7 to 10	10	2021			\$ 37,000							
W8-17	AS87231	2017	1500 Ext Cab	Dodge Extended Cab 4 X 4	\$ 32,000	7 to 10	9	2026								\$ 32,000		
WE9-10		2010	Backhoe	John Deere 310D Backhoe	\$ 110,000	7 to 10	11	2020		\$ 110,000								
WE10-04	B99 64Y	2004	Trailer	Utility Trailer	\$ 2,600	8	9	2018	\$ 2,600								\$ 2,600	
Total					\$ 690,600				\$ 87,600	\$ 160,000	\$ 37,000	\$ -	\$ 85,000	\$ 24,000	\$ -	\$ 32,000	\$ 212,600	\$ 55,000

**2019 - 2028 Ten Year Fleet Replacement Schedule - Building**

Unit Number	License Number	Year Purchased	Type	Make	Replacement Value	Life Span (yrs)	Yrs	Year To Replace	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
B1-15	BCN K349	2015	SUV	Dodge Journey	\$ 18,000	10	10	2025							\$ 18,000			
B2-10	505 9KZ	2010	1500 Reg Cab	GMC Pick-up Sierra	\$ 25,000	10	10	2020		\$ 25,000								
Total					\$ 43,000				\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ 18,000	\$ -	\$ -	\$ -

**Appendix A**  
**Town of Tecumseh**  
**2019 - 2028 Ten Year Fleet Replacement Schedule - Administration**

Unit Number	Licence Number	Year Purchased	Type	Make	Replacement Value	Life Span (yrs)	Yrs	Year To Replace	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
	B86 32C	2003	Trailer Enclosed	OPP TRAILER (Graffiti Trailer)	\$ 29,000	20	20	2023					\$ 29,000					
		2007	Generator	(1/3 Lakeshore/Kingsville/Tecumseh) Generator - Emergency back-up for Tecumseh Complex	\$ 500,000	40	40	2047										
PE20-00	C20 02M	2000	Trailer Enclosed	Enclosed Trailer 8 X 22 (from Parks)	\$ 20,000	8	8	N/A										
Total					\$ 549,000				\$ -	\$ -	\$ -	\$ -	\$ 29,000	\$ -	\$ -	\$ -	\$ -	\$ -

**2019 - 2028 Ten Year Fleet Replacement Schedule - Fire Command**

Unit Number	Licence Number	Year Purchased	Type	Make	Replacement Value	Life Span (yrs)	Yrs	Year To Replace	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
F1-18	AX8605	2018	Pickup Truck	Ford SSV 4X4 Extended Cab	\$ 55,000	8	8	2026									\$ 55,000	
F2-10	TL8 007	2010	SUV	Chevrolet Tahoe (Command 2)	\$ 45,000	8	8	2018										\$ 55,000
F4-16	BDFE 181	2016	Minivan	Dodge MiniVan	\$ 20,000	12	12	2028										
Total					\$120,000				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55,000	\$ 55,000

**Appendix A**  
**Town of Tecumseh**  
**2019 - 2028 Ten Year Fleet Replacement Schedule - Recreation**

Unit Number	License Number	Year Purchased	Type	Make	Replacement Value	Life Span (yrs)	Yrs	Year To Replace	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
M01-12	AA41891	2011	1500 Reg Cab	Dodge Ram 1500	\$ 30,000	10	10	2021			\$ 30,000							
AM01-14	505 9KZ	2014	1500 Reg Cab	Dodge Ram 1500	\$ 30,000	10	12	2026								\$ 30,000		
M02-18	9133WK	2018	1500 Reg Cab	Chevy 1500 Ext. Cab	\$ 25,000	10	10	2028										\$ 25,000
R01-18	CENM158	2018	Mini Van	Dodge Mini Van	\$ 25,000	10	10	2028										\$ 25,000
AE3-98		2009	Ice Resurfacer	Zamboni	\$ 110,000	10	10	2019	\$ 110,000									
AE4-98		2010	Ice Resurfacer	Zamboni	\$ 110,000	10	10	2020		\$ 110,000								
Totals					<u>\$ 330,000</u>				<u>\$ 110,000</u>	<u>\$ 110,000</u>	<u>\$ 30,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 30,000</u>	<u>\$ -</u>	<u>\$ 50,000</u>

**2019 - 2028 Ten Year Fleet Replacement Schedule - Transit**

Unit Number	License Number	Year Purchased	Type	Make	Replacement Value	Life Span (yrs)	Yrs	Year To Replace	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
T01-09	BN9458	2017	15 Passenger Bus	Crestline - Ford E-450	\$ 190,000	5	5	2015					\$ 190,000					\$ 190,000
T02-10	6358BF	2011	15 Passenger Bus	Ford E450	\$ 190,000	5	5	2016						\$ 190,000				
Totals					<u>\$ 380,000</u>				<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 190,000</u>	<u>\$ 190,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 190,000</u>

Subsidized through Provincial Bus Replacement Program (1/3 funding)



## Appendix B

### Town of Tecumseh

### 2019 - 2028 Ten Year Fire and Rescue Services Apparatus Funding and Replacement Schedules

#### 2019 - 2028 Ten Year Fire and Rescue Services Apparatus Funding Schedule

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Reserve Carried Forward	\$ 800,700	\$ 994,700	\$ 1,133,700	\$ 1,327,700	\$ (84,300)	\$ 109,700	\$ 303,700	\$ 497,700	\$ (14,300)	\$ 179,700
Apparatus Lifecycle	\$ 194,000	\$ 194,000	\$ 194,000	\$ 194,000	\$ 194,000	\$ 194,000	\$ 194,000	\$ 194,000	\$ 194,000	\$ 194,000
<b>Total Funds Available</b>	<b>\$ 994,700</b>	<b>\$ 1,188,700</b>	<b>\$ 1,327,700</b>	<b>\$ 1,521,700</b>	<b>\$ 109,700</b>	<b>\$ 303,700</b>	<b>\$ 497,700</b>	<b>\$ 691,700</b>	<b>\$ 179,700</b>	<b>\$ 373,700</b>

#### 2019 - 2028 Ten Year Fire and Rescue Services Apparatus Replacement Schedule

Department	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Fire Apparatus	\$ -	\$ 50,000	\$ -	\$ 1,600,000	\$ -	\$ -	\$ -	\$ 700,000	\$ -	\$ 700,000
<b>Sub-total</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ 1,600,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 700,000</b>	<b>\$ -</b>	<b>\$ 700,000</b>
Committed - carry forward										
Outfitting	\$ -	\$ 5,000		\$ 6,000				\$ 6,000		\$ 6,000
<b>Total Expenditure</b>	<b>\$ -</b>	<b>\$ 55,000</b>	<b>\$ -</b>	<b>\$ 1,606,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 706,000</b>	<b>\$ -</b>	<b>\$ 706,000</b>
<b>Ending Balance</b>	<b>\$ 994,700</b>	<b>\$ 1,133,700</b>	<b>\$ 1,327,700</b>	<b>\$ (84,300)</b>	<b>\$ 109,700</b>	<b>\$ 303,700</b>	<b>\$ 497,700</b>	<b>\$ (14,300)</b>	<b>\$ 179,700</b>	<b>\$ (332,300)</b>

**Appendix B**  
**Town of Tecumseh**  
**2019 - 2028 Ten Year Fire and Rescue Services Apparatus Replacement Schedule - Fire Apparatus**

Unit Number	Licence Number	Year Purchased	Type	Make	Replacement Value	Life Span	Yrs	Year To Replace	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028				
104	CR2 683	2017	Rescue	Fort Garry (Pumper/Rescue 1)	\$ 700,000	20	20	2017														
		2008	Engine	Smeal (Engine 1)	\$ 700,000	15*	15	2028										\$ 700,000				
92	VA7 923	2009	Engine	Smeal (Engine 2)	\$ 700,000	15*	15	2029														
94	CP9 759	2006	Rescue	Rosenbauer Engine Tanker (Rescue 2)	\$ 700,000	20	20	2026								\$ 700,000						
	CR2 689	2002	Aerial	Sutphen Platform (Truck 1)	\$ 1,600,000	20	20	2022				\$ 1,600,000										
F3-08	883 1VM	2008	2500 Crew Cab	Ford 250 (Squad 2)	\$ 50,000	12	12	2020		\$ 50,000												
F5-xx			2500 Crew Cab	2500 Squad - fleet addition for 2019	\$ 50,000	12	12	2031														
					\$ 4,500,000				\$	-	\$ 50,000	\$	-	\$ 1,600,000	\$	-	\$	-	\$ 700,000	\$	-	\$ 700,000



## The Corporation of the Town of Tecumseh

Public Works & Environmental Services

**To:** Mayor and Members of Council

**From:** John Henderson, Manager Engineering Services

**Date to Council:** February 12, 2019

**Report Number:** PWES-2019-08

**Subject:** South Talbot Road Reconstruction – Tender Award

---

### Recommendations

It is recommended:

**That** the tender for the South Talbot Road Reconstruction in the amount of \$2,056,935 excluding HST **be awarded** to Amico Infrastructures Inc. and that the Mayor and Clerk be authorized to execute an agreement, satisfactory in form to the Town's Solicitor, with Amico Infrastructures Inc.;

**And that** project funding allocations, reflecting a \$381,040 decrease, **be adjusted** as follows:

- Road Lifecycle Reserve – decrease from \$2,330,500 to \$1,973,614
- Bridges Lifecycle Reserve – decrease from \$606,000 to \$581,846

### Background

At the December 11, 2018 Regular Meeting of Council, Council approved the recommendations (Motion RCM-361/18) of PWES Report No. 2018-08 titled "2019-2023 Public Works & Environmental Services Five Year Capital Works Plan" that authorized Administration to proceed with the 2019 capital works projects including the reconstruction of a portion of South Talbot Road.

This project consists of the full reconstruction of South Talbot Road from approximately 250 metres east of County Road 9 to 400 metres east of Holden Road. The works also include the reconstruction of Road Culvert No. 46 at the South Talbot Drain and Road Culvert No. 47 at the Dickson Drain as well as a provisional item to construct a new access culvert on the South Talbot Drain.

## Comments

A Tender call for the Project was advertised in the Shoreline Week and on the Town's website on January 11, 2019, along with direct notification to the Windsor Construction Association. Ten (10) tenders were received by the Purchasing Officer on January 31, 2019. The Tenders were opened publicly in Council Chambers in the presence of Administration.

Dillon Consulting Limited (Dillon) has reviewed the tenders and provided the attached report. The tender results are summarized as follows:

<b>Tenderer</b>	<b>Total Tender Price (excluding HST)</b>
Amico Infrastructures Inc.	*\$2,056,935
Shearock Construction Group Inc.	\$2,147,356
South Shore Contracting of Essex County Inc.	\$2,189,415
J&J Lepera Infrastructures Inc.	\$2,250,000
Nevan Construction Inc.	\$2,305,000
SLR Contracting Group Inc.	\$2,373,153
Coco Paving Inc.	\$2,441,077
Sherway Contracting (Windsor) Limited	\$2,488,025
Jeff Shepley Excavating Ltd.	**\$2,570,206
D'Amore Construction (2000) Ltd.	\$2,597,847

\* Denotes corrected total. Original Tender Price was \$2,059,685

\*\* Denotes corrected total. Original Tender Price was \$2,569,531

There were no major inconsistencies, omissions or unbalanced pricing found in any of the tenders.

A mathematical error was made in the tender of Amico Infrastructure Inc. and in the tender of Jeff Shepley Excavating Ltd. These mathematical errors did not impact the order of the tenders. All Tenderers submitted the required Bid Bond and acknowledged receipt of Addendum No.1.

Based on their low tender submission and subsequent discussions, Administration, in consultation with Dillon, recommends that Council award the tender for South Talbot Road Reconstruction in the amount of \$2,056,935 excluding HST to Amico Infrastructures Inc. and that the Mayor and Clerk be authorized to execute an agreement, satisfactory in form to the Town's Solicitor, with Amico Infrastructures Inc.

The Town received ERCA approval for this project on February 4, 2019.

## Consultations

Financial Services  
Dillon Consulting Limited



## Financial Implications

PWES Report No. 2018-08 provided an estimated project cost of \$2,936,500 and funding approval as follows:

South Talbot Road Reconstruction and Replacement of Culverts No. 46 and No. 47:

<b>Lifecycle Reserve Fund</b>	<b>Amount</b>
Road Lifecycle Reserve	\$2,330,500
Bridges Lifecycle Reserve	\$606,000
<b>Total</b>	<b>\$2,936,500</b>

The tendered/projected costs are summarized below:

<b>Cost Item</b>	<b>Amount</b>
Construction (tender)	\$2,056,935
Engineering	\$378,000
Topographic and Legal Survey	\$8,400
ERCA Application Fee	\$1,500
Tender Advertisement	\$400
Hydrovac Excavations	\$4,900
Utility Modifications	\$31,325
Geotechnical Quality Assurance	\$29,800
Sub-total	\$2,511,260
Non-rebateable HST (1.76%)	\$44,200
<b>Total</b>	<b>\$2,555,460</b>

The total tendered/projected cost is under the \$2,936,500 budget by \$381,040, as detailed in the table below:

<b>South Talbot Road</b>	<b>Project Budget</b>	<b>Tendered / Projected</b>	<b>Change</b>
Road LC	\$2,330,500	\$1,973,614	-\$356,886
Bridge LC	\$606,000	\$581,846	-\$24,154
<b>Totals</b>	<b>\$2,936,500</b>	<b>\$2,555,460</b>	<b>-\$381,040</b>

Administration recommends that project funding allocations, reflecting a \$381,040 decrease, be adjusted as follows:

- Road Lifecycle Reserve – decrease from \$2,330,500 to \$1,973,614
- Bridges Lifecycle Reserve – decrease from \$606,000 to \$581,846

## Link to Strategic Priorities

Applicable	2017-18 Strategic Priorities
<input type="checkbox"/>	Make the Town of Tecumseh an even better place to live, work and invest through a shared vision for our residents and newcomers.
<input checked="" type="checkbox"/>	Ensure that the Town of Tecumseh's current and future growth is built upon the principles of sustainability and strategic decision-making.
<input type="checkbox"/>	Integrate the principles of health and wellness into all of the Town of Tecumseh's plans and priorities.
<input checked="" type="checkbox"/>	Steward the Town's "continuous improvement" approach to municipal service delivery to residents and businesses.
<input type="checkbox"/>	Demonstrate the Town's leadership role in the community by promoting good governance and community engagement, by bringing together organizations serving the Town and the region to pursue common goals.

## Communications

Not applicable ☒

Website ☐

Social Media ☐

News Release ☐

Local Newspaper ☐

This report has been reviewed by Senior Administration as indicated below and recommended for submission by the Chief Administrative Officer.

Prepared by:

John Henderson, P.Eng.  
Manager Engineering Services

Reviewed by:

Phil Bartnik, P.Eng.  
Director Public Works & Environmental Services

Reviewed by:

Luc Gagnon, CPA, CA, BMath  
Director Financial Services & Treasurer

Recommended by:

Tony Haddad, MSA, CMO, CPFA  
Chief Administrative Officer

<b>Attachment Number</b>	<b>Attachment Name</b>
1	2019-02-04 South Talbot Road Tender Award Recommendation

Our File: 18-5048

February 4, 2019

**SENT VIA EMAIL AND MAIL**

Corporation of the Town of Tecumseh  
917 Lesperance Road  
Tecumseh, ON  
N8N 1W9

Attention: John Henderson, P.Eng.,  
Manager, Engineering Services

**South Talbot Road Reconstruction  
in the Town of Tecumseh  
Summary of Tender Results**

Ten tenders were received on January 31, 2019, for this project. The tender results are summarized as follows:

<b>Tenderer</b>	<b>Total Tender Price (Excluding applicable taxes)</b>	
Amico Infrastructures Inc.	\$2,056,935.00	*
SheaRock Construction Group Inc.	\$2,147,356.00	
South Shore Contracting of Essex County Inc.	\$2,189,415.00	
J & J Lepera Infrastructures Inc.	\$2,250,000.00	
Nevan Construction Inc.	\$2,305,000.00	
SLR Contracting Group Inc.	\$2,373,153.00	
Coco Paving Inc.	\$2,441,077.00	
Sherway Contracting (Windsor) Limited	\$2,488,025.00	
Jeff Shepley Excavating Ltd.	\$2,570,206.00	*
D'Amore Construction (2000) Ltd.	\$2,597,847.00	

**\* corrected Total Tender amount**

Based on our review of the tender submissions, mathematical errors were made in the tender of Amico Infrastructures Inc. and in the tender of Jeff Shepley Excavating Ltd. The corrected Total Tender Price as shown above does not change the original standings of the Tenderers.



3200  
Deziel Drive  
Suite 608  
Windsor, Ontario  
Canada  
N8W 5K8  
Telephone  
(519) 948-5000  
Fax  
(519) 948-5054

Dillon Consulting  
Limited



*Corporation of the Town of Tecumseh*

*Page 2*

*February 4, 2019*



In the tender of SheaRock Construction Group Inc., the total unit price amount for Item No. 19 in the Form of Tender was not entered. In the tender of Nevan Construction Inc., the total unit price amount for Item No. 69 in the Form of Tender was not entered.

There were no other irregularities identified in the tenders received for this work.

All Tenderers submitted the required \$250,000.00 Bid Bond which you have retained. All Tenderers acknowledged receipt of the Addendum No. 1.

We have confirmed with Mr. Kyle Mastronardi, of Amico Infrastructures Inc. that Amico Infrastructures Inc. is prepared to proceed with this project in accordance with the Contract Documents and their tender submission.

Based on their lowest tender submission, we recommend that the tender be awarded to Amico Infrastructures Inc. for the Total Tender Price of \$2,056,935.00 (excluding applicable taxes).

Subject to Council's approval of our recommendation, we will prepare the necessary agreements for signing.

Yours sincerely,

**DILLON CONSULTING LIMITED**

Laura Herlehy, P.Eng.,  
Project Engineer

LMH:d

# **The Corporation of the Town of Tecumseh**

## **By-Law Number 2019 - 14**

Being a by-law to amend By-law 85-18, the Town's Comprehensive Zoning By-law for those lands in the former Township of Sandwich South

D19 5500SE – 5500 Sexton Side Road  
Agricultural Surplus Dwelling Severance

**Whereas** By-law No. 85-18 is the Town's comprehensive zoning by-law regulating the use of lands and the character, location and use of buildings and structures within the Town of Tecumseh, for lands situated within the former Township of Sandwich South;

**And Whereas** the Council of the Corporation of the Town of Tecumseh deems it necessary and in the best interest of proper planning to further amend By-law No. 85-18;

**And Whereas** the Provincial Policy Statement (2014) requires the remnant land from a surplus dwelling consent be zoned so as not to allow a residential dwelling on the remnant parcel;

**And Whereas** the Committee of Adjustment granted provisional consent to application B-06/18 for the creation of one surplus dwelling lot with a condition that the remnant lands be zoned so as not to allow a residential dwelling;

**And Whereas** this By-law conforms to the Official Plan in effect for the Town of Tecumseh for lands in the former Township of Sandwich South;

**Now Therefore the Council of The Corporation of The Town of Tecumseh Enacts as follows:**

1. **That** That Schedule "A", Map 12, to By-law 85-18, as amended, is hereby further amended by changing the zoning classification for those lands as depicted on Schedule "A" attached hereto and forming part of this by-law from "Agricultural Zone (A)" to "Agricultural Zone (A-29)".
2. That By-law 85-18, Section 15, Agricultural Zone (A) Regulations, as amended, is hereby further amended by the addition of a new subsection 15.3.29 to immediately follow subsection 15.3.28 and to read as follows:  

"15.3.29 Defined Area A-29 as shown on Schedule "A", Map 12 to this By-Law.

a) Permitted Uses

Uses permitted in the Agricultural Zone (A) as established in subsection 15.1.1, with the exception of the following uses which shall be prohibited:

  - i) single family residential uses;
  - ii) household occupation or agricultural household occupation;
  - iii) livestock agricultural operations within structures in existence as of the date of passing (February 12, 2019) of the By-law incorporating subsection 15.3.29 into Zoning By-law 85-18.

b) Permitted Building and Structures

- i) Buildings and structures for the uses permitted in subsection 15.3.29 a);
- ii) Accessory buildings and structures for the uses permitted in subsection 15.3.29 a)."

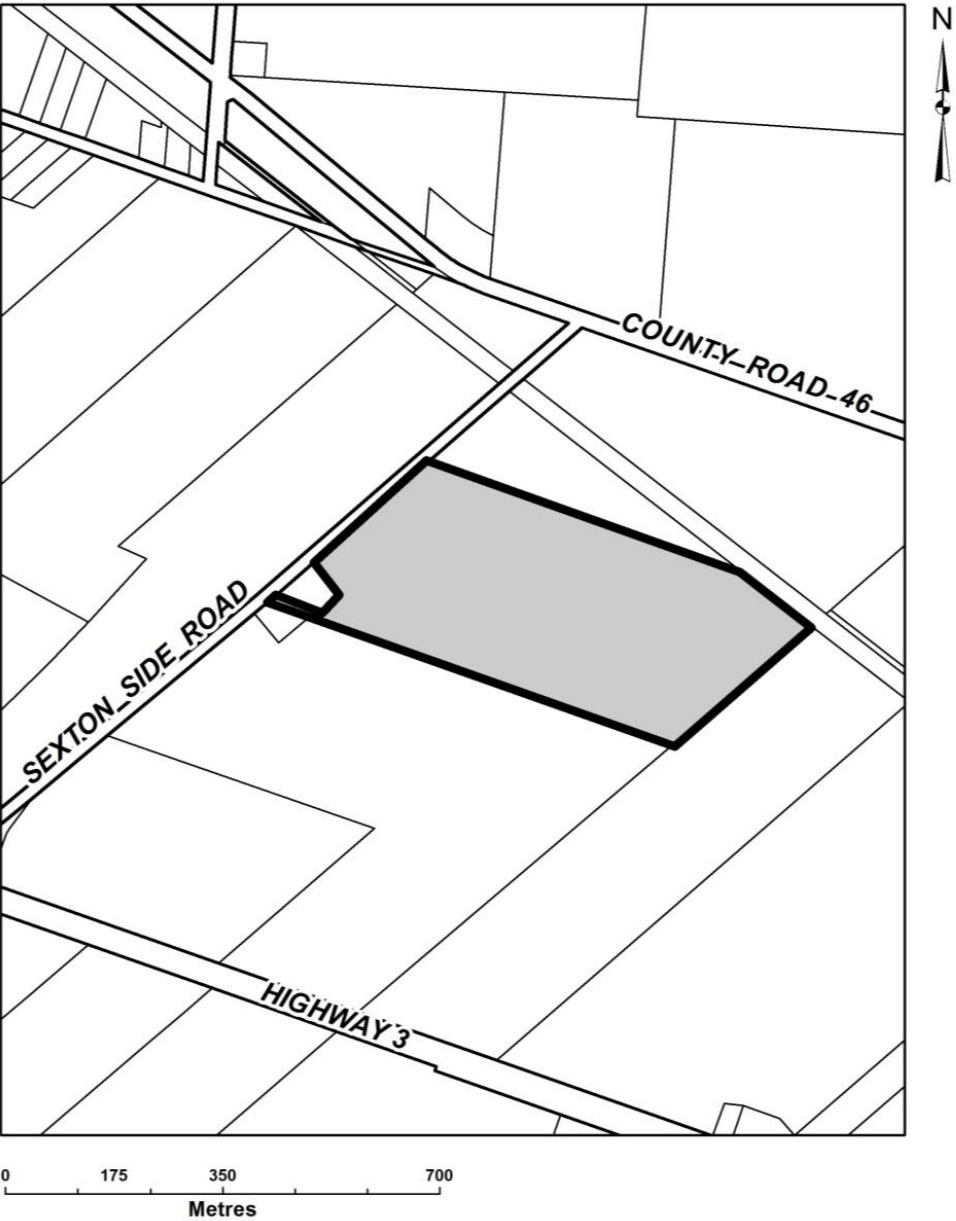
3. This By-law shall take effect from the date of passage by Council and shall come into force in accordance with Section 34 of the *Planning Act, R.S.O. 1990*.


**Read** a first, second and third time and finally passed this 12th day of February, 2019.

\_\_\_\_\_  
Gary McNamara, Mayor

\_\_\_\_\_  
Laura Moy, Clerk

SCHEDULE "A"  
CONCESSION NTR, PT LOT 299  
5500 SEXTON SIDE ROAD  
TOWN OF TECUMSEH



 Change from "A" to "A-29"

This is Schedule "A" to By-law No. 2019-14.  
Passed the 12th day of February, 2019.

Signed

\_\_\_\_\_  
Mayor

\_\_\_\_\_  
Clerk



## UNFINISHED REGULAR COUNCIL BUSINESS

	Meeting Date	Resolution	Subject	Action/Direction	Depart.	Status/Action Taken
3/17	Mar 14, 2017		Alley Closing Policy	An alley closing policy is requested to establish a uniform process for closing alleys.	Clerks	In Progress
1/18	January 30, 2018		Video Surveillance	Administration to follow up on video surveillance and potential grant funding for acquiring a system.	ICS	Grant application is being investigated and met with local expert
18/18	April 24, 2018		Cada Library Renovations	It is directed that Administration provide a report on the Cada Library to include consultations with TAAC, SAC, YAC, CAC, and other stakeholders on the current options proposed to refresh or renovate the current library building.	PRS/CAO	Q1 2019 Report
19/18	May 22, 2018		Property Standards By-law	It is directed that Administration harmonize the by-law regarding disconnected tractor-trailers on residential properties to be consistent within the Town.	PBS	In progress
26/18	September 11, 2018		Insurance Companies	Administration is directed to send a letter to the Insurance Bureau of Canada and insurance companies to increase awareness on the Town's flood mitigation efforts.	CAO	Letters sent in December 2018 and responses are being received.
28/18	September 25, 2018		Municipal Tree Cutting	Administration is asked to look into a tree cutting and trimming policy for municipal trees that includes provisions for residents who wish to cost share in tree maintenance.	PWES/CS	In progress
29/18	November 13, 2018		Customer Service Policy	A request is made for a Customer Service Policy.	CS	In progress

**The Corporation of the Town of Tecumseh**

**By-Law Number 2018 - 15**

Being a by-law to confirm the proceedings of the February 12, 2019 regular meeting of the Council of The Corporation of the Town of Tecumseh

**Whereas** pursuant to Section 5(1) of the Municipal Act, 2001, S.O. 2001, c.25 as amended, the powers of a municipality shall be exercised by its Council; and

**Whereas** pursuant to Section 5(3) of the *Municipal Act, 2001*, S.O. 2001, c.25 as amended, a municipal power, including a municipality's capacity, rights, powers and privileges under Section 8 of the *Municipal Act, 2001*, S.O. 2001, c.25 as amended, shall be exercised by by-law unless the municipality is specifically authorized to do otherwise; and

**Whereas** it is deemed expedient that the proceedings of the Council of The Corporation of the Town of Tecumseh at this Session be confirmed and adopted by by-law.

**Now Therefore the Council of The Corporation of The Town of Tecumseh Enacts as follows:**

1. **That** That the actions of the Council of The Corporation of the Town of Tecumseh in respect of all recommendations in reports and minutes of committees, all motions and resolutions and all other action passed and taken by the Council of The Corporation of the Town of Tecumseh, documents and transactions entered into during the February 12, 2019, meeting of Council, are hereby adopted and confirmed, as if the same were expressly embodied in this By-law.
2. **That** the Mayor and proper officials of The Corporation of the Town of Tecumseh are hereby authorized and directed to do all the things necessary to give effect to the action of the Council of The Corporation of the Town of Tecumseh during the said February 12, 2019, meeting referred to in paragraph 1 of this By-law.
3. **That** the Mayor and the Clerk are hereby authorized and directed to execute all documents necessary to the action taken by this Council as described in Section 1 of this By-law and to affix the Corporate Seal of The Corporation of the Town of Tecumseh to all documents referred to in said paragraph 1.

**Read** a first, second and third time and finally passed this 12th day of February, 2019.

---

Gary McNamara, Mayor

---

Laura Moy, Clerk