



PUBLIC WORKS COMMITTEE REPORT 21-011

1:30 p.m.

Wednesday, August 11, 2021

Council Chambers

Hamilton City Hall

71 Main Street West

Present: Councillors A. VanderBeek (Chair), N. Nann (Vice-Chair), C. Collins, J.P. Danko, J. Farr, L. Ferguson, T. Jackson, S. Merulla and M. Pearson

Absent with

Regrets: Councillor T. Whitehead – Leave of Absence
Councillor E. Pauls – Personal

Also Present: Councillor B. Clark

THE PUBLIC WORKS COMMITTEE PRESENTS REPORT 21-011 AND RESPECTFULLY RECOMMENDS:

1. COVID-19 Wastewater Surveillance Initiative (PW21048) (City Wide) (Item 7.1)

That Report PW21048, respecting a COVID-19 Wastewater Surveillance Initiative, be received.

2. Old Dundas Road Sewage Pumping Station (HC005) Emergency Overflow to Ancaster Creek Feasibility Study (PW14107(a)) (Ward 12) (Item 7.2)

That staff be directed to apply to the Ministry of Environment, Conservation and Parks (MECP) for the installation of stormwater overflow into Ancaster Creek.

3. City of Hamilton Annual Collision Report – 2020 Statistics and Trends (PW21047) (City Wide) (Item 7.3)

That Report PW21047, respecting the City of Hamilton Annual Collision Report – 2020 Statistics and Trends, be received.

- 4. Proposed Permanent Closure and Sale of a Portion of Pinot Crescent, Stoney Creek (PW21043) (Ward 10) (Item 9.1)**
- (a) That the application of the owner of Block 9, plan 62M-1241 to permanently close and purchase a portion of road allowance abutting Block 9, (“Subject Lands”), as shown on Appendix "A" and Appendix “B”, attached to Public Works Committee Report 21-011, be approved, subject to the following conditions:
 - (i) That the City Solicitor be authorized and directed to prepare all necessary by-laws to permanently close and sell the highway, for enactment by Council;
 - (ii) The Real Estate Section of the Planning and Economic Development Department be authorized and directed to enter into any requisite easement agreements, right of way agreements, and/or other agreements deemed necessary to affect the orderly disposition of the Subject Lands and to proceed to sell the Subject Lands to the owners of Block 9, Plan 62M-1241, as described in Report PW21043, in accordance with the City of Hamilton Sale of Land Policy By-law 14-204;
 - (iii) The City Solicitor be authorized to complete the transfer of the Subject Lands to the owner of Block 9, Plan 62M-1241 pursuant to an Agreement of Purchase and Sale or Offer to Purchase as negotiated by the Real Estate Section of the Planning and Economic Development Department;
 - (iv) That the City Solicitor be authorized and directed to register a certified copy of the by-law(s) permanently closing and selling the highway in the proper land registry office;
 - (v) That the City Solicitor be authorized to amend and waive such terms as she considers reasonable to give effect to this authorization and direction;
 - (vi) That the Public Works Department publish any required notice of the City’s intention to pass the by-laws and/or permanently sell the closed highway pursuant to the City of Hamilton Sale of Land Policy By-law 14-204;
 - (vii) That the applicant be fully responsible for the deposit of a reference plan in the proper land registry office, and that said plan be prepared by an Ontario Land Surveyor to the satisfaction of the Manager, Geomatics and Corridor Management Section, and that the applicant also deposit a reproducible copy of said plan with the Manager, Geomatics and Corridor Management Section.

5. Commercial E-Scooters Operations (PED20134(b)) (City Wide) (Item 10.1)

- (a) That staff be directed to initiate a Request for Proposals to select a maximum of two commercial E-Scooter operators to operate a 24-month pilot program within the City of Hamilton, with two optional one-year extensions based on the general scope and terms set out in Appendix "C" attached to Public Works Committee Report 21-011, and pending staff review of the pilot program;
- (b) That the General Manager of Planning and Economic Development be authorized to negotiate, enter into, and execute an agreement, any amendments, and ancillary documents required to give effect thereto with the successful proponents to the request for proposals for Commercial E-Scooter operators in a form satisfactory to the City Solicitor, based on the general scope and terms outlined in Appendix "C", attached to Public Works Committee Report 21-011;
- (c) That, upon the award of any agreements with a Commercial E-Scooter operator, the General Manager of Planning and Economic Development be authorized to amend the operating agreement with Hamilton Bike Share Inc. (HBSI) for the operation of the base bike share program to provide an operating offset equivalent to the annual vehicle fee, device equity fee, winter operations offset fee and per trip fee collected from the Commercial E-Scooter operator; and,
- (d) That staff be directed to consult the Advisory Committee for Persons with Disabilities, the CNIB Foundation and the Seniors Advisory Committee on a quarterly basis with respect to the Commercial E-Scooter pilot program.

6. Biosolids Management Project - Approval of Change in Control of Harbour City Solutions (PW11098(h)) (City Wide) (Item 10.3)

- (a) That the General Manager of Public Works be authorized to execute a consent authorizing and approving the transfer of control of Bird Capital Hamilton Biosolids Holdings Inc. and Maple Hamilton Biosolids Holdings Inc., as requested by Synagro Hamilton Biosolids LP, in a form approved by the City Solicitor; and,
- (b) That the consent to authorize and approve the transfer of control of Bird Capital Hamilton Biosolids Holdings Inc. and Maple Hamilton Biosolids Holdings Inc. be subject to the issuance of Final Completion Phase 1 and Final Completion certificates by the Independent Certifier as required and defined in the Project Agreement, and such other reasonable conditions as may be specified by the City Solicitor.

- 7. Standardization of Hamilton Water Equipment, Parts, Supplies and Services (PW21045) (City Wide) (Item 10.4)**
- (a) That the standardization of the products, services, manufacturers and distributors, identified in Appendices “D”, “E” and “F” attached to Public Works Committee Report 21-011, pursuant to Procurement Policy #14 - Standardization and as the single source of supply for the listed equipment, parts, supplies and services for the Hamilton Water Division be approved;
 - (b) That the General Manager of Public Works, or their designate, be authorized to negotiate, enter into and execute any required Contract and any ancillary documents required to give effect thereto with those suppliers identified in Appendices “D”, “E” and “F” attached to Public Works Committee Report 21-011, with content acceptable to the General Manager of Public Works, and in a form satisfactory to the City Solicitor; and,
 - (c) That the General Manager of Public Works, or their designate, be authorized to amend any Contracts executed and any ancillary documents as required in the event that a service provider, manufacturer, or distributor identified in Appendices “D”, “E” and “F” attached to Public Works Committee Report 21-011 undergoes a name change or a new distributor relationship in a form satisfactory to the City Solicitor.
- 8. Cost Recovery Using Funding Methodology for Municipal Infrastructure Extensions - Rymal Road from Approximately 200m East of Second Road West to Upper Centennial Parkway (PW21046) (Ward 9) (Item 10.5)**
- (a) That the General Manager of Finance and Corporate Services be authorized and directed to prepare a cost recovery by-law in accordance with the *Municipal Act, 2001* the *City of Hamilton Act, 1999* and the City's Funding Methodology for Municipal Infrastructure Extensions Policy to recover the local portion of infrastructure extension construction costs to be incurred, in addition to permit fees, against the benefiting properties identified in Appendix "G" attached to Public Works Committee Report 21-011 with the following terms:
 - (i) The charge to each property, as identified in Appendix "G" attached to Public Works Committee Report 21-011, the current flat fee as of the date of payment/connection in accordance with the City's annual user fee by-law;
 - (ii) The charge shall be due at the earlier of the time of connection (building permit), as a condition of severance, or may be paid at any time;

- (iii) At time of connection, the benefitting owners may elect to spread the payment over 15 years by placing the charge on tax roll; interest shall apply based on the City's then current 15 year borrowing rate;
- (iv) Any unpaid amounts may be added to the property tax roll and collected in the same manner as municipal taxes.

9. Private Tree Giveaway (PW21044) (City Wide) (Item 10.6)

- (a) That staff be directed to plan and execute a City Wide Private Tree Giveaway Program for the remainder of 2021 and on an annual basis from 2022 and beyond, subject to the approval of the following:
 - (i) That \$15,000 be allocated from the 2021 Forestry tax operating budget to fund the 2021 Fall Private Tree Giveaway Program; and,
 - (ii) That the 2022 Private Tree Giveaway Program annual operating budget request of \$45,000 be referred to the 2022 tax operating budget process for consideration.

10. Installation of Traffic Calming Measures at Various Locations throughout Ward 6 (Item 11.1) (REVISED)

WHEREAS, the residents of Beacon Avenue have submitted a petition with 46 names for the installation of speed cushions on Beacon Avenue to address roadway safety concerns as a result of speeding, cut-through traffic;

WHEREAS, the residents of Moxley Drive have submitted a petition with 45 names for the installation of speed cushions on Moxley Drive between Beacon Avenue and Mohawk Road East to address roadway safety concerns as a result of speeding, cut-through traffic;

WHEREAS, the residents of Rapallo Drive, that were part of a neighbourhood petition of 67 names, are requesting the installation of speed cushions along Rapallo Drive, to address roadway safety concerns as a result of speeding and cut through traffic;

WHEREAS, the residents of East 45th Street have submitted a petition containing 50 signatures for the installation of additional speed cushions on East 45th Street, between 10th Avenue and Fennell Avenue East, to address roadway safety concerns as a result of speeding, cut-through traffic;

WHEREAS, the residents of Organ Crescent have submitted a petition containing 45 signatures for the installation of speed cushions on Organ Crescent, to address roadway safety concerns as a result of speeding, cut-through traffic;

WHEREAS, the residents of Eaglewood Drive have submitted a petition containing 75 signatures for the installation of speed cushions on Eaglewood Drive, between Eva Street and Sinena Avenue, to address roadway safety concerns as a result of speeding, cut-through traffic; and,

WHEREAS, the residents of Fernwood Crescent have submitted a petition containing 31 signatures for the installation of speed cushions on Fernwood Crescent, between 9th Avenue and Castlefield Drive, to address roadway safety concerns as a result of speeding, cut-through traffic;

THEREFORE, BE IT RESOLVED:

- (a) That Transportation Operations and Maintenance staff be authorized and directed to install traffic calming measures on the following roadways as part of the 2021 Traffic Calming program (Fall Application):
 - (i) Beacon Avenue, Hamilton (2 speed cushions);
 - (ii) Moxley Drive, from Beacon Avenue and Mohawk Road East, Hamilton (1 speed cushion);
 - (iii) Rapallo Avenue, Hamilton (2 speed cushions);
 - (iv) East 45th Street, from 10th Avenue and Fennell Avenue East, Hamilton (5 speed cushions);
 - (v) Organ Crescent, Hamilton (4 speed cushions);
 - (vi) Eaglewood Drive, from Eva Street and Sinena Avenue, Hamilton (3 speed cushions);
 - (vii) Fernwood Crescent, from 9th Avenue and Castlefield Drive, Hamilton (2 speed cushions);
- (b) That all costs associated with the installation of traffic calming measures at the identified locations throughout Ward 6 be funded from the Ward 6 Minor Maintenance Account (4031911606) at a total cost not to exceed \$133,000 (including contingency); and,
- (c) That the Mayor and City Clerk be authorized and directed to execute any required agreement(s) and ancillary documents, with such terms and conditions in a form satisfactory to the City Solicitor.

11. Installation of Traffic Calming Measures on Bellagio Avenue, Showcase Drive, Keystone Crescent, Fletcher Road and Gatestone Drive to Address Safety Concerns Around Area Elementary Schools (Ward 9) (Item 11.2)

WHEREAS, the City of Hamilton is committed to the safety of all road users and is a leader in Vision Zero initiatives; and,

WHEREAS, the Ward 9 office has continued to receive complaints and concerns related to the safety of elementary students accessing schools in these areas;

THEREFORE, BE IT RESOLVED:

- (a) That Transportation Operations and Maintenance staff be authorized and directed to install traffic calming measures on the following roadways as part of the 2021 Traffic Calming program (fall application), at a cost not to exceed \$60,000, to be funded from the Ward 9 Minor Maintenance account (4031911609):
 - (i) Gatestone Drive, from Foxtrot Drive to Shadyglen Drive, Hamilton (2 speed cushions);
 - (ii) Bellagio Avenue, from Fletcher Road to Keystone Crescent, Hamilton (3 speed cushions);
 - (iii) Keystone Crescent, from Bellagio Avenue to Showcase Drive, Hamilton (2 speed cushion);
 - (iv) Showcase Drive, from Keystone Crescent to Fletcher Road, Hamilton (2 speed cushions);
 - (v) Fletcher Road at Pinehill Drive, Hamilton, northwest corner, corner radius reduction;
- (b) That the Mayor and City Clerk be authorized and directed to execute any required agreement(s) and ancillary documents, with such terms and conditions in a form satisfactory to the City Solicitor.

12. Additional Funding for the Study of Design Improvements to Southam Park, Hamilton (Ward 8) (Item 11.3)

WHEREAS, parks play an important role in the creation of livable cities, and the amenities in parks animate the spaces for use by the public;

WHEREAS, Southam Park, located at 480 Upper James Street, was approved as a project through the 2020 capital budget process to design improvements to the park; and,

WHEREAS, additional funds are required to complete studies and detailed design;

THEREFORE, BE IT RESOLVED:

- (a) That \$51,000 of funding be allocated from the Ward 8 Special Capital Re-investment Reserve Fund #108058 to Project ID 4402056008, to complete the studies and detailed design of Southam Park; and,
- (b) That the Mayor and City Clerk be authorized and directed to execute any required agreement(s) and ancillary documents, with such terms and conditions in a form satisfactory to the City Solicitor.

13. Installation of Traffic Calming Measures at Various Locations throughout Ward 1 (Item 11.4)

WHEREAS, the City of Hamilton has adopted Vision Zero approach which considers human error as part of the road way safety equation,

WHEREAS, roads adjacent to parks and schools frequently see the greatest number of young pedestrians and cyclists at risk by speeding motorists; and,

WHEREAS, Ward 1 residents have repeatedly advocated for the installation of speed cushions on various roadways throughout their neighbourhoods to address roadway safety concerns as a result of speeding and cut-through traffic;

THEREFORE, BE IT RESOLVED:

- (a) That Transportation Operations and Maintenance staff be authorized and directed to install traffic calming measures on the following roadways as part of the 2021 Traffic Calming program:
 - (i) Homewood Avenue from Dundurn Street South to MacDonald Avenue, Hamilton (1 speed cushion);
 - (ii) Stanley Avenue from Dundurn Street South to MacDonald Avenue, Hamilton (1 speed cushion);
 - (iii) Charlton Avenue West from Locke Street South to Dundurn Street South, Hamilton (2 speed cushions);
 - (iv) Beddoe Drive from Studholme Road to southerly end, Hamilton (3 speed cushions);
 - (v) Dromore Crescent from Marion Avenue North to Oak Knoll Drive, Hamilton (1 speed cushion);

- (vi) Marion Avenue North from Haddon Avenue North to Dromore Crescent, Hamilton (1 speed cushion);
 - (vii) Parkside Drive from Devon Place to Glen Road, Hamilton (1 speed cushion);
 - (viii) Glen Road from Parkside Drive to Kipling Road, Hamilton (1 speed cushion);
 - (ix) Strathcona Avenue North from York Boulevard to Florence Street, Hamilton (1 speed cushion);
 - (x) Chatham Street from Locke Street South to Dundurn Street South, Hamilton (2 speed cushions);
- (b) That all costs associated with the installation of traffic calming measures at the identified locations throughout Ward 1 be funded from the Ward 1 Reserve Account (108051) at a total cost not to exceed \$100,000 (including contingency); and,
- (c) That the Mayor and City Clerk be authorized and directed to execute any required agreement(s) and ancillary documents, with such terms and conditions in a form satisfactory to the City Solicitor.

14. Ward 1 Park Improvements (Item 11.5)

WHEREAS, Victoria Park (500 King Street West, Hamilton) is a diverse community park in Ward 1 with recreation amenities that promote healthy activity opportunities for the community;

WHEREAS, one of the two multi-use courts within Victoria Park does not include the basketball and hockey infrastructure that is now standard within new multi-use court amenities;

WHEREAS, the addition of this infrastructure is desirable to increasing recreation opportunities for residents at Victoria Park;

WHEREAS, the junior play structure located within Mapleside Park (12 Spruceside Avenue, Hamilton) has reached end of life;

WHEREAS, the asphalt pathways at both Mapleside Park and Radial Park (12 Spruceside Avenue, Hamilton) require replacement,

WHEREAS, drainage improvements can be effectively added to Mapleside Park during the play structure and pathway improvements to improve park conditions;

WHEREAS, these community amenities at both Mapleside Park and Radial Park are valuable recreation opportunities for children, youth and families within the Kirkendall North and Kirkendall South neighbourhoods;

WHEREAS, park pathways offer a valuable active transportation link to pedestrians and bike users in Ward 1 and beyond; and,

WHEREAS, the asphalt pathways at Alexander Park (201 Whitney Avenue, Hamilton), Churchill Park (255 Glen Road, Hamilton) and Jackson Playground (439 Jackson Street West, Hamilton) require replacement;

THEREFORE, BE IT RESOLVED:

- (a) That \$35,000 of funding be allocated from the Ward 1 Special Capital Re-Investment Discretionary Fund (#3302009100), to improve the existing court within Victoria Park, Hamilton, with basketball posts/nets and fencing improvements to include built in hockey nets, be approved;
- (b) That the replacement of the existing junior play structure, pathway replacements and drainage improvements at Radial Park and Spruceside Park, Hamilton, at an approximate cost of \$146,000, to be funded from Ward 1 Special Capital Re-Investment Reserve Fund (#108051), be approved;
- (c) That the replacement of portions of asphalt pathways at Alexander Park, Churchill Park and Jackson Playground, Hamilton, at an approximate cost of \$90,000, to be funded from the Ward 1 Special Capital Re-Investment Reserve Fund (#108051), be approved; and,
- (d) That the Mayor and City Clerk be authorized and directed to execute any required agreement(s) and ancillary documents, with such terms and conditions in a form satisfactory to the City Solicitor.

**15. Material Recycling Facility Unsolicited Proposal (CONFIDENTIAL)
(PW21050) (City Wide) (Item 14.1)**

- (a) That the direction provided to staff in Closed Session, respecting Report PW21050, Material Recycling Facility Unsolicited Proposal, be approved; and,
- (b) That Report PW21050, respecting the Material Recycling Facility Unsolicited Proposal, remain confidential.

FOR INFORMATION:

(a) CHANGES TO THE AGENDA (Item 2)

The Committee Clerk advised of the following changes to the agenda:

6. DELEGATION REQUESTS

6.1 Delegation Requests respecting Item 10.1 - Commercial E-Scooters Operations (PED20134(b)) (City Wide) (for today's meeting):

6.1(a) James Kemp, Advisory Committee for Persons with Disabilities

6.1(b) Chris Schafer, Bird Canada

6.1(c) Ashley Brown, Spin Mobility Inc.

11. MOTIONS

11.1 Installation of Traffic Calming Measures at Various Locations throughout Ward 6 **(REVISED)**

The agenda for the August 11, 2021 Public Works Committee meeting was approved, as amended.

(b) DECLARATIONS OF INTEREST (Item 3)

There were no declarations of interest.

(c) APPROVAL OF MINUTES OF THE PREVIOUS MEETING (Item 4)

(i) July 7, 2021 (Item 4.1)

The Minutes of the July 7, 2021 meeting of the Public Works Committee were approved, as presented.

(d) DELEGATION REQUESTS (Item 6)

(a) The following delegation requests, respecting Item 10.1 - Commercial E-Scooters Operations (PED20134(b)) (City Wide), were approved for today's meeting:

(i) James Kemp, Advisory Committee for Persons with Disabilities (Added Item 6.1(a))

(ii) Chris Schafer, Bird Canada (Added Item 6.1(b))

(iii) Ashley Brown, Spin Mobility Inc. (Added Item 6.1(c))

For further disposition of this matter, refer to Item (f)(ii).

(e) CONSENT ITEMS (Item 7)

- (a) The following Consent Items, were received:
- (i) Hamilton Cycling Committee Meeting Minutes - April 7, 2021 (Item 7.4)
 - (ii) Hamilton Cycling Committee Staff Liaison Report - May 5, 2021 (Item 7.5)
 - (iii) Hamilton Cycling Committee Meeting Minutes – June 2, 2021 (Item 7.6)

(f) PUBLIC HEARINGS / DELEGATIONS (Item 9)

(i) Proposed Permanent Closure and Sale of a Portion of Pinot Crescent, Stoney Creek (PW21043) (Ward 10) (Item 9.1)

Councillor VanderBeek advised that notice of the Proposed Permanent Closure and Sale of a Portion of Pinot Crescent, Stoney Creek (PW21043) (Ward 10) was given as required under the City's By-law #14-204 – the Sale of Land Policy By-law.

No members of the public were registered as Delegations.

The public meeting was closed.

For further disposition of this matter, refer to Item 4.

(ii) Delegations respecting Item 10.1 - Commercial E-Scooters Operations (PED20134(b)) (City Wide) (Added Items 9.2(a) – 9.2(c))

The presentations from the following delegates, respecting Item 10.1 - Commercial E-Scooters Operations (PED20134(b)) (City Wide), were received:

- (i) James Kemp, Advisory Committee for Persons with Disabilities (Added Item 9.2(a))
- (ii) Chris Schafer, Bird Canada (Added Item 9.2(b))
- (iii) Ashley Brown, Spin Mobility Inc. (Added Item 9.2(c))

For further disposition of this matter, refer to Items 5 and (g)(i).

(g) **DISCUSSION ITEMS (Item 10)**

(i) **Commercial E-Scooters Operations (PED20134(b)) (City Wide) (Item 10.1)**

- (a) That staff be directed to initiate a Request for Proposals to select a maximum of two commercial E-Scooter operators to operate a 24-month pilot program within the City of Hamilton, with two optional one-year extensions based on the general scope and terms set out in Appendix "C" attached to Public Works Committee Report 21-011, and pending staff review of the pilot program;
- (b) That the General Manager of Planning and Economic Development be authorized to negotiate, enter into, and execute an agreement, any amendments, and ancillary documents required to give effect thereto with the successful proponents to the request for proposals for Commercial E-Scooter operators in a form satisfactory to the City Solicitor, based on the general scope and terms outlined in Appendix "C", attached to Public Works Committee Report 21-011; and,
- (c) That, upon the award of any agreements with a Commercial E-Scooter operator, the General Manager of Planning and Economic Development be authorized to amend the operating agreement with Hamilton Bike Share Inc. (HBSI) for the operation of the base bike share program to provide an operating offset equivalent to the annual vehicle fee, device equity fee, winter operations offset fee and per trip fee collected from the Commercial E-Scooter operator.

Report PED20134(b), respecting Commercial E-Scooters Operations, was **amended** to add recommendation (d), to read as follows:

- (d) ***That staff be directed to consult the Advisory Committee for Persons with Disabilities, the CNIB Foundation and the Seniors Advisory Committee on a quarterly basis with respect to the Commercial E-Scooter pilot program.***

For further disposition of this matter, refer to Item 5.

(ii) **Protected Bike Lane Curbs (Hamilton Cycling Committee - Citizen Committee Report) (Item 10.2)**

The Hamilton Cycling Committee - Citizen Committee Report, respecting Protected Bike Lane Curbs, was referred to appropriate staff for a report back to the Public Works Committee.

(h) GENERAL INFORMATION / OTHER BUSINESS (Item 13)

(i) Amendments to the Outstanding Business List (Item 13.1)

The following amendments to the Public Works Committee's Outstanding Business List, were approved:

(a) Items Requiring a New Due Date:

- (i) Municipal Class Environmental Assessment and Conceptual Design of Ancaster Elevated Water Reservoir
Item on OBL: AAP
Current Due Date: August 11, 2021
Proposed New Due Date: September 20, 2021
- (ii) Funding Options for a 5 Year and 10 Year Lead Water Service Line Replacement Plan
Item on OBL: ABJ
Current Due Date: August 11, 2021
Proposed New Due Date: September 10, 2021
- (iii) Corporate Energy and Sustainability Policy
Item on OBL: ABQ
Current Due Date: August 11, 2021
Proposed New Due Date: September 10, 2021

(b) Items Considered Complete and Needing to be Removed:

- (i) Advisory Committee for Persons with Disabilities Report 20-007, December 8, 2020 (Items 5 and 7); and, Regulation of E-Scooters
Addressed as Item 10.1 on today's agenda - Report PED20134(b)
Items on OBL: 21B, 21C and ABN

(i) PRIVATE AND CONFIDENTIAL (Item 14)

Committee moved into Closed Session respecting Item 14.1, pursuant to Section 9.1, Sub-sections (j) and (k) of the City's Procedural By-law 21-021 and Section 239(2), Sub-sections (j) and (k) of the *Ontario Municipal Act, 2001*, as amended, as the subject matter pertains to 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; and, 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.

(i) Material Recycling Facility Unsolicited Proposal (PW21050) (City Wide) (Item 14.1)

For disposition of this matter, refer to Item 15.

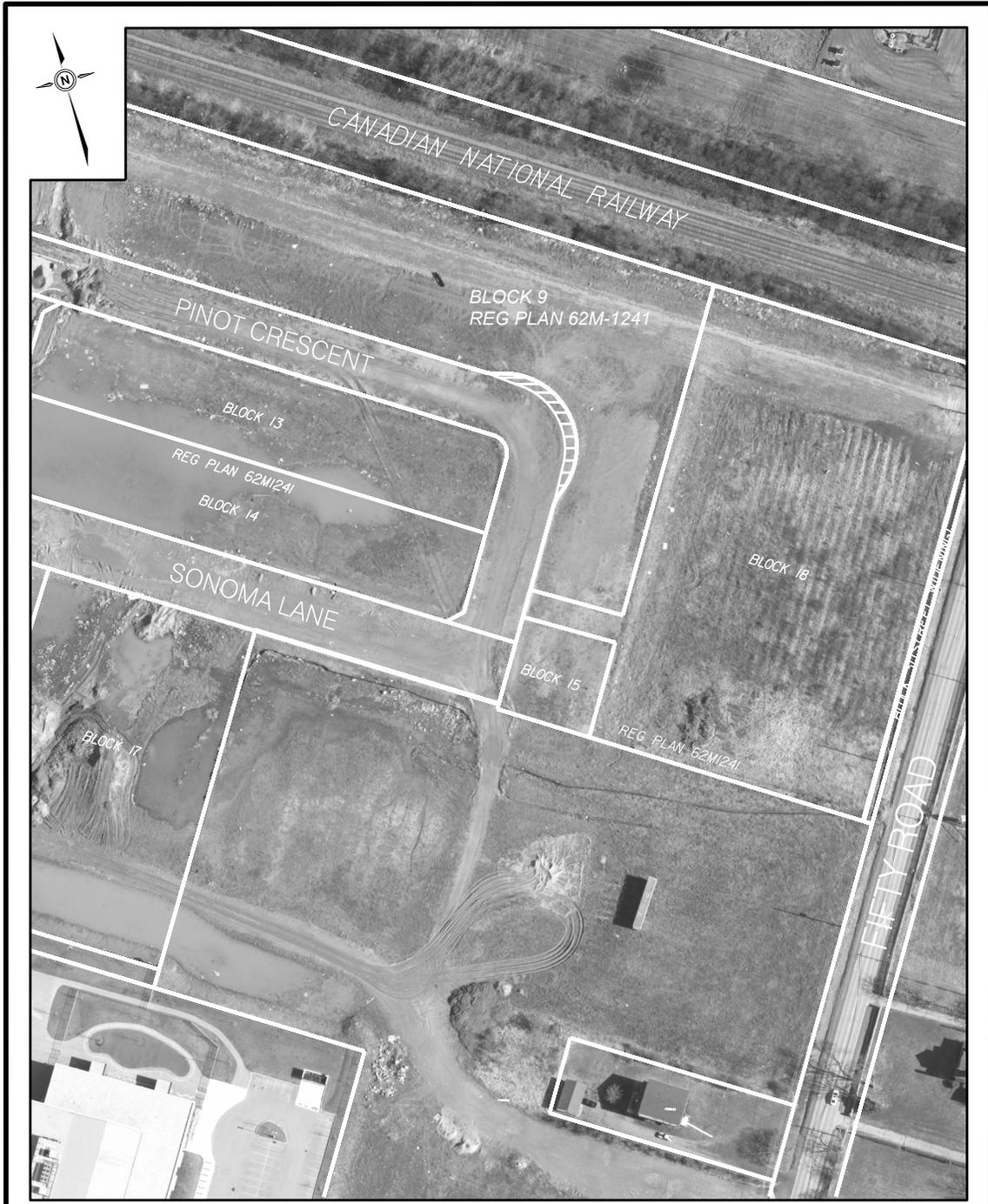
(j) ADJOURNMENT (Item 15)

There being no further business, the Public Works Committee adjourned at 3:52 p.m.

Respectfully submitted,

Councillor A. VanderBeek
Chair, Public Works Committee

Alicia Davenport
Legislative Coordinator
Office of the City Clerk



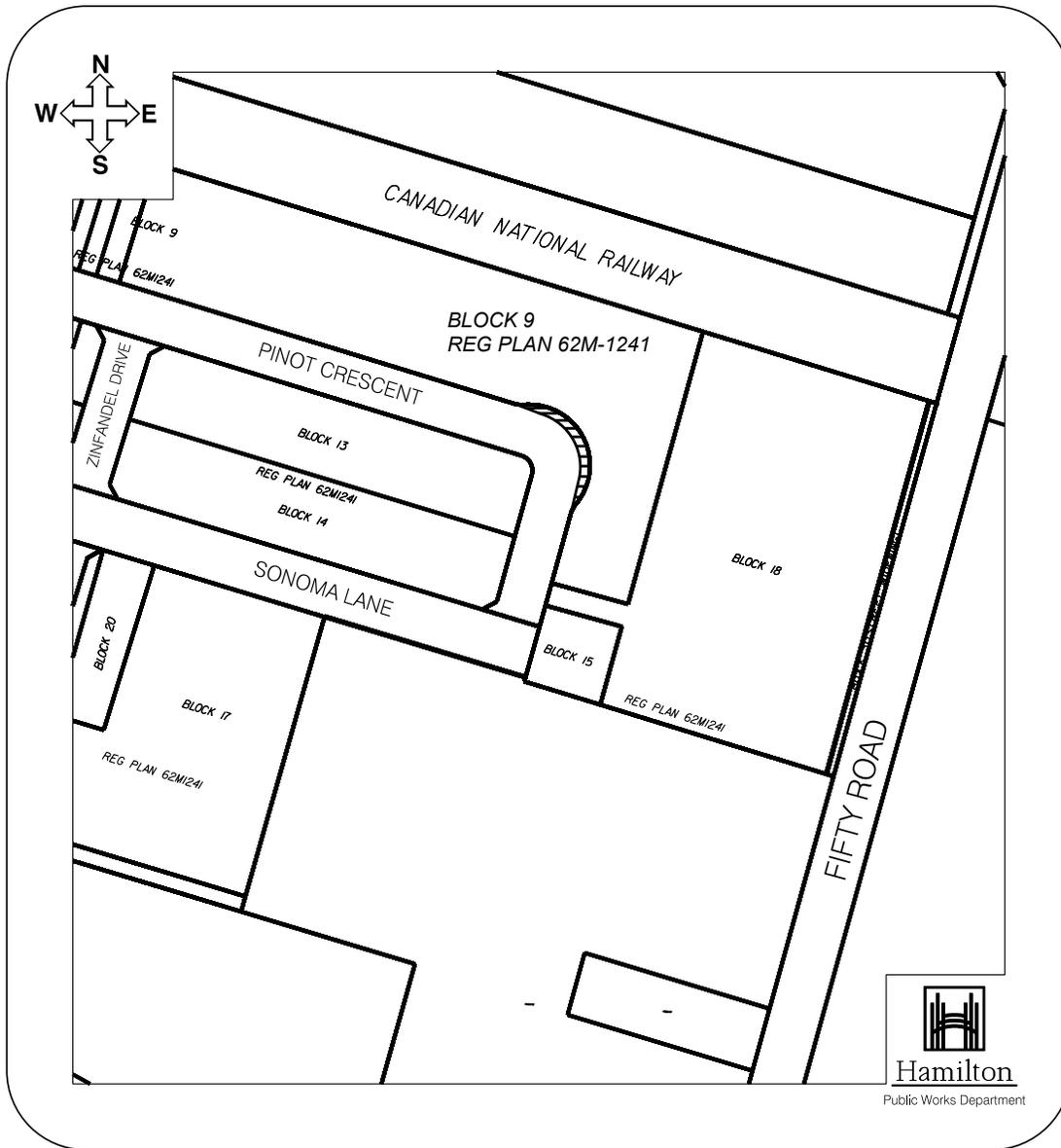
PROPOSED CLOSURE OF PORTION OF
PINOT CRESCENT, STONEY CREEK

Geomatics & Corridor Management Section
Public Works Department

LEGEND

 Lands to be Closed

NTS | 04/05/2021 | Sketch by: CF



LOCATION PLAN

PROPOSED CLOSURE OF
 PORTION OF

**PINOT CRESCENT,
 STONEY CREEK**

CITY OF HAMILTON
 PUBLIC WORKS DEPARTMENT

LEGEND


SUBJECT LANDS

DATE: May 4, 2021 | Not to Scale | Sketch By: CF

REFERENCE FILE NO : PW21_



CITY OF HAMILTON
PLANNING AND ECONOMIC DEVELOPMENT DEPARTMENT
Transportation Planning and Parking Division

TO:	Chair and Members Public Works Committee
COMMITTEE DATE:	August 11, 2021
SUBJECT/REPORT NO:	Commercial E-Scooters Operations (PED20134(b)) (City Wide) (Outstanding Business List Item)
WARD(S) AFFECTED:	City Wide
PREPARED BY:	Peter Topalovic (905) 546-2424 Ext. 5129
SUBMITTED BY:	Brian Hollingworth Director, Transportation Planning and Parking Planning and Economic Development Department
SIGNATURE:	

RECOMMENDATION

- (a) That staff be directed to initiate a Request for Proposals to select a maximum of two commercial E-Scooter operators to operate a 24-month pilot program within the City of Hamilton, with two optional one-year extensions based on the general scope and terms set out herein this Report PED20134(b) and pending staff review of the pilot program;
- (b) That the General Manager of Planning and Economic Development be authorized to negotiate, enter into, and execute an agreement, any amendments, and ancillary documents required to give effect thereto with the successful proponents to the request for proposals for Commercial E-Scooter operators in a form satisfactory to the City Solicitor; based on the general scope and terms outlined in this Report PED20134(b);
- (c) That, upon the award of any agreements with a Commercial E-Scooter operator, the General Manager of Planning and Economic Development be authorized to amend the operating agreement with Hamilton Bike Share Inc. (HBSI) for the operation of the base bike share program to provide an operating offset equivalent to the annual vehicle fee, device equity fee, winter operations offset fee and per trip fee collected from the Commercial E-Scooter operator; and,

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

SUBJECT: Commercial E-Scooters Operations (PED20134(b)) (City Wide) - Page 2 of 17

- (d) That Items 21B, 21C and ABN, respecting Advisory Committee for Persons with Disabilities Report 20-007 (Items 5 and 7) and the Regulation of E-Scooters, be identified as completed and removed from the Public Works Outstanding Business List.

EXECUTIVE SUMMARY

On November 25, 2020, Council approved Report PED20109(c) Public Bike Share Program Phased Procurement Process which established an operating agreement through to December 2022 for the operation of the existing base bike share program through Hamilton Bike Share Inc. (HBSI), as well as, a phased procurement process for introducing a broader suite of micro-mobility options in the City, potentially including electric kick style scooters (E-Scooters). This Report addresses that second phase of the procurement process, specifically the establishment of commercial E-Scooter operations.

Staff presented Report PED20134(a) to Public Works Committee on May 3, 2021, recommending the initiation of an RFP process for a commercial e-scooter operator. Committee referred the report back to staff to undertake further engagement and receive input from specific stakeholder groups including the Advisory Committee for Persons with Disabilities (ACPD) and the Seniors Advisory Committee. Report PED20134(b) presents a revised recommended approach to a commercial E-Scooter operation as a result of the feedback received through this additional engagement.

Council approved the use of personal E-Scooters in the City, and the by-laws and regulations that would apply to the personal use of E-Scooters, on December 16, 2020, through Report PED20134/PW20050. This occurred in response to the Province of Ontario's five-year pilot program which permits E-Scooters on municipal roads throughout the Province, if a municipality passes a by-law to "opt-in". The five-year pilot launched January 1, 2020, under *Ontario Regulation 389/19* made under the *Highway Traffic Act*, R.S.O. 1990, c. H.8 (HTA) with the goal of evaluating the use of E-Scooters by evaluating their ability to safely integrate with other vehicle types and determine whether they should be permanently allowed on roads in Ontario.

On December 16, 2020, Council also approved amendments to By-law 01-215 being a by-law to Regulate Traffic (City of Hamilton Traffic By-law) and to By-law 01-219, being a By-law to Manage and Regulate Municipal Parks (City of Hamilton Parks By-law) to permit E-Scooters on roads, bike lanes and designated pathways, as part of a phased approach. By-law 20-270 was also passed by Council on December 16, 2020 to regulate commercial E-Scooters and make it clear that commercial operators must have City approval before they can operate in the City of Hamilton.

SUBJECT: Commercial E-Scooters Operations (PED20134(b)) (City Wide) - Page 3 of 17

This Report addresses the next phase of the micro-mobility program, which is to permit commercial E-Scooter operations in the City of Hamilton as a 24-month pilot program, with potential for two one-year extensions, at the discretion of the City. Staff is recommending a competitive Request for Proposal (RFP) process to allow commercial E-Scooter operators to submit their business plans to the City and compete for the ability to operate commercial E-Scooters in Hamilton. The successful applicants will then sign a formal agreement with the City. It is recommended that a maximum of two contracts be awarded to qualified E-Scooter system operators, who will be selected through the RFP process. Each operator will be allowed to operate a maximum of 350 E-Scooters in the current bike share service area. However, if the operator wishes to extend their service area beyond the minimum, they will be able to provide additional E-Scooters in the ratio of 150 devices per ten square kilometres to a maximum of 900 E-Scooters (per operator). The operator will have to demonstrate that there is coverage in the service areas they choose to operate in and have strategies to reduce clumping of vehicles. The RFP and subsequent agreement will establish the parameters for commercial operators as well as establish the fees that will be paid to the City in relation to the program.

This Report provides an overview of the recommended commercial E-Scooter pilot framework as well as the terms for the recommended RFP process, including how proponents will operate their vehicles, what support systems they will be required to provide, how they will comply with City regulations and by-laws, and the associated fees related to operating in Hamilton.

The proposed operating framework outlined in this Report identifies key aspects of the program including length of the pilot, permitted operating speeds, operating areas, requirements for locking of devices, parking management, and allowable devices.

This Report also outlines key aspects of the RFP process. Both the overall operating framework and RFP elements were developed taking into account experience in other jurisdictions such as Ottawa, ON, Calgary, AB, Kelowna, BC, Seattle, WA, and San Francisco, CA where programs are already in place. Additionally, the framework incorporates concerns and communications that have been submitted by various stakeholders in Hamilton, notably the Advisory Committee for Persons with Disabilities (ACPD).

Successful E-Scooter system operators will be awarded contracts to operate in the City and pay fees to the City to cover the costs of application processing, bike parking improvements, device equity and enforcement as well as operations fees to offset impacts to the existing public bike share system.

Alternatives for Consideration – See Page 16

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FINANCIAL – STAFFING – LEGAL IMPLICATIONS

Financial: There are no financial impacts on the City. All capital and operating costs will be the responsibility of the commercial operator. All City costs for administration of the program and enforcement costs will be recovered through the program fees as well as fine revenues.

Successful E-Scooter operations applicants who are awarded contracts will be charged fees to cover application processing, bike parking improvements, enforcement and vehicle operations fees to offset impacts to the existing public bike share system. This is projected to make the E-Scooter program revenue neutral and is in line with North American municipal E-Scooter systems best practices.

The minimum required fees include:

- 1) **\$5,000** Annual Administration Fee;
- 2) **\$8** Annual Program Improvement Fee per E-Scooter;
- 3) **\$45** Annual Vehicle Fee per E-Scooter;
- 4) **\$15** Annual Device Equity Fee per E-scooter;
- 5) **\$10,000** Annual Winter Operations offset fee; and,
- 6) **\$0.05** per trip for all E-Scooters.

Successful proponents will be required to provide a \$15,000 revolving security deposit. The City can recover costs associated with enforcement should the commercial operator not address concerns in the adequate timeframe (e.g. removing and storing improperly parked E-Scooters). The proponent will be required to replenish the security deposit should it fall under \$5,000. This security deposit will be utilized on a “fee for service” basis where required (e.g. removal of improperly parked devices).

Report PED20109(c) indicated that a portion of revenues from the procurement outlined in this Report would be allocated to offset the operating impact on the base bike share program, in recognition of the impact that new micro-mobility services will have on the operation of the bike share program. Therefore, staff are recommending that the annual vehicle fees and per trip fees be allocated as an operating offset to the current bike share operator. The Device Equity Fee will also be paid to the bikeshare operator but must be used to invest in capital and operating improvements to the Everyone Rides Initiative (ERI) Adaptive Bike

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Share Program. The Administration Fee and Program Improvement Fee would be allocated for the City's administration costs.

The Winter Operations Fees will be collected but returned to the operator if they have demonstrated winter operations experience and operate 50% of their fleet in winter between November and March of the pilot period. If the E-Scooter operator does not have winter operating experience and does not operate in winter then these fees will be payable to the bike share operator, who does operate over winter and can accommodate E-Scooter users during the winter months.

Staffing: There are no staffing impacts associated with adopting the staff recommendation. Existing Transportation Planning Staff in the Sustainable Mobility Group will provide oversight of the successful E-Scooter operators, as they do with the current bike share system.

Enforcement of the approved Traffic-By-law will be by Hamilton Police Services and enforcement of operations within Parks will be overseen by the Licensing and By-law Services Division. Enforcement activities include:

- Management of the right-of-way and ensuring no obstruction of pedestrian areas;
- Vehicle safety compliance;
- Vehicles contained in the proper operating and parking areas;
- Vehicles removed from any paths or parks where they are not permitted; and,
- Improper riding behaviour.

Transportation Planning staff will handle public complaints and the operators will be asked to promptly resolve issues identified in the right-of-way. If they do not do so, then Municipal Licensing and By-law Services will be called in, and their costs for enforcement will be covered by the security deposit.

Legal: Legal Services will work with successful E-Scooter system operators to enter into operations contracts with the City, following the RFP process.

HISTORICAL BACKGROUND

E-Scooters have emerged as a new mode of transportation with an electric motor and the ability to be imminently shareable through app-based technology. Shared commercially operated E-Scooters have been launched in more than 125 cities across

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the United States and are quickly launching in the Canadian market. Ontario joins Alberta and Quebec amongst the growing number of Canadian Provinces allowing E-Scooters on the roadway.

On December 16, 2020, Council approved the operation of E-Scooters in Hamilton by amending certain City by-laws (PED20134/PW20050) outlined in Public Works Committee Minutes 20-12, Item 9.2; in response to the Province's five-year pilot program which permits E-Scooters on municipal roads throughout the Province, if a municipality passes a by-law to "opt-in". The five-year pilot launched January 1, 2020, under *Ontario Regulation 389/19* made under the *Highway Traffic Act*, R.S.O. 1990, c. H.8 (*HTA*) with the goal of evaluating the use of E-Scooters, specifically their ability to safely integrate with other vehicle types and determine whether existing rules of the road are adequate.

Currently, personal E-Scooters, are allowed, to operate on roads, bike lanes, multi-use paths in the road right-of-way, and designated pathways in parks. They are not permitted to operate on any pedestrian right-of-way or in most parks and park pathways. If Council approves the use of commercial E-Scooters in Hamilton, the same rules would also apply.

Staff presented Report PED20134(a) to Public Works Committee on May 3, 2021, recommending the initiation of an RFP process for a commercial E-Scooter operator. Committee referred the report back to staff to undertake further engagement and receive input from specific stakeholder groups including the Advisory Committee for Persons with Disabilities (ACPD) and the Seniors Advisory Committee.

POLICY IMPLICATIONS AND LEGISLATED REQUIREMENTS

The operating framework outlined in this Report complies with the Provincial pilot regulation, *Ontario Regulation 389/19: Pilot Project - Electric Kick-Scooters*, that came into effect January 1, 2020. The pilot is intended to evaluate the use of E-Scooters over a five-year period to examine their ability to safely integrate with other vehicle types and determine whether existing rules of the road are adequate.

The RFP to secure Micro-mobility Service Providers for the E-Scooter program will be issued and awarded in accordance with By-Law 20-007, the City's Procurement Policy.

RELEVANT CONSULTATION

This Report was prepared in consultation with staff from Transportation Planning, Licencing and By-law Services, Environmental Services Division, and Transportation Operations and Maintenance Division, working closely with Legal Services and Procurement.

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Staff from Hamilton Municipal Parking, and Hamilton Police Services were consulted with respect to operations and enforcement matters.

The Hamilton Cycling Advisory Committee, Cycle Hamilton, and the Canadian National Institute for the Blind (CNIB) have provided input through meetings and/or correspondence.

Correspondence from the ACPD and their feedback was received by Council on February 10, 2021, General Issues Committee Report 21-003 Item 9.1. Additional correspondence from the ACPD Committee was received at the May 3, 2021 Public Works Committee (Report 21-006, item 9.1) and at the ACPD Committee meeting on May 11, 2021. Recommendations from the ACPD have been considered in the development of the Commercial E-Scooter RFP process. Specifically, the RFP will require operators to:

- Include specialized equipment or techniques that alert pedestrians to the presence of an E-Scooter and ensure that the E-Scooter is perceptible to persons with sight impairments;
- Commence operations under a 24-month pilot program to allow for monitoring of impacts and benefits;
- Include provisions for operators to train users on safe operation;
- Include additional safety training on where users are permitted to ride an E-Scooter and where they cannot not ride them; and,
- Include highly visible contact information on the E-Scooters including the identifying vehicle number, a complaint phone number, and a complaint website.

It is also noted that the industry is moving towards a more formal regime which will address licencing, and insurance requirements as advocated for by the ACPD; however, these matters are generally regulated by the Province of Ontario. Staff will also work with the Hamilton Police Service, and By-law Services, on specialized enforcement of the E-Scooters.

Staff also presented to the Seniors Advisory Committee on May 7, 2021 to gather the Committee's insight and comments on the Commercial E-Scooter Program. Comments provided by this Committee largely pertained to how the operations would work, viability of winter operations, and connections to lower density residential areas.

A focus group of the Mobility Lab, a collective of transportation groups in the City, was held to get additional feedback on the program.

ANALYSIS AND RATIONALE FOR RECOMMENDATION

Commercial E-Scooter Operating Framework

OUR Vision: To be the best place to raise a child and age successfully.
OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.
OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

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The five-year provincial pilot launched January 1, 2020, under *Ontario Regulation 389/19* made under the *Highway Traffic Act*, R.S.O. 1990, c. H.8 (*HTA*) includes specific regulations for E-Scooters, including vehicle and safety requirements, and operator and safety requirements. However, the regulation assumes that municipalities may add additional regulations with respect to parking, operating parameters (e.g. operating area), liability, fees, and fines for non-compliance.

The report PED20134/PW20050 approved by Public Works Committee on December 7, 2020 (Item 9.2) already permits citizens to operate their personally owned E-Scooters in the City right-of-way and some pathways in the City as signed. Proper use and behaviour is regulated through By-law 01-215, a By-law to Regulate Traffic, and By-law 01-219, a By-law To Manage and Regulate Municipal Parks with penalties administered through By-law 17-225, being a By-law to Establish a System of Administrative Penalties.

This Report sets out the operating framework specifically for Commercial E-Scooter operations, building upon the previous report and by-law. All by-laws and fines for private E-Scooters will also apply to commercial operations as they do to individual citizens.

In developing the framework for Commercial E-Scooter operations, staff took into account practices in other jurisdictions, emerging new practices that address some previous concerns with E-Scooters, and recent input received from stakeholders since Report PED20134/PW20050 was approved by Public Works Committee and Council.

Key aspects of the proposed Hamilton commercial E-Scooter pilot framework include:

- **Length of Agreement:** The term of the agreement will be for 24-months with the option for two one-year extensions at the discretion of the City. The City reserves the right to terminate the agreement should the commercial operator breach the agreement for any reason, with proper notification;
- **Number of Scooters:** Staff is recommending a maximum of two operators be selected, with each operator managing a fleet of no less than 150 scooters and no more than 350 scooters in the existing bike share service area. However, if the operator wishes to extend their service area beyond the minimum, they will be able to provide additional E-Scooters in the ratio of 15 devices per one square kilometer to a maximum of 900 E-Scooters per operator and the operator may choose how many square kilometers they wish to operate in;
- **Operating Speed:** Commercial E-Scooters will be limited to a maximum speed of 20 km/h (comparable to a beginner cyclist) and will be “geo-fenced” to reduce speed

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- to 10 km/h when operating in identified parks, high-pedestrian areas, and paths (comparable to walking speed);
- **Operating Areas:** E-Scooters will be permitted to operate on roads, bike lanes, and designated pathways and trails. E-Scooters will not be permitted to operate on sidewalks. Stickers will be required on every E-Scooter saying, "No Sidewalk Riding" and an app message will remind users of this when starting their trip;
 - **Lock-Up E-Scooters:** All commercial E-Scooters will be required to have a "locking" mechanism and will be required to be fastened to a rack or pole, similar to the existing bikeshare system. This aims to address the issues experienced in other jurisdictions where E-Scooters could be left anywhere;
 - **Parking Management and Enforcement:** Commercial operators will be required to educate users on proper parking procedures, such as not blocking the sidewalk clearway path of travel, obstructing features such as utility accesses, garbage bins, or doorways, or curbside zones reserved for uses such as buses, taxis or loading. The City and members of the public will be able to report improperly parked E-Scooters, which the operator will be required to address within a defined time period. Should the operator not meet the time period, the City has the option to address the issue and recover the cost through a security deposit;
 - **Scooter Style:** All E-Scooters will be kick-style, meaning that they will not have a seat or pedal, and riders will need to stand while using them. To adhere to the Government of Ontario's E-Scooter pilot framework, there can only be one rider at a time, no cargo can be carried, baskets are not allowed, it must have two wheels and brakes, must have a horn or bell, as well as, front and rear lights;
 - **Scooter Complaint Hotline:** Include highly visible contact information on the E-Scooters including a unique identifying vehicle number, a call-in complaint phone number, and a complaint website;
 - **Scooter Platform Visual Alert:** E-Scooters will be required to have a high-contrast treatment on the handle bars and the deck (the part on which riders stand) that helps to visually alert individuals with low vision of potential obstructions in their path;
 - **Acoustic Vehicle Alerting System:** Operators will be required to include specialized equipment or techniques that create a sound automatically to alert pedestrians of the presence of an E-Scooter on a sidewalk or pathway. This alert system is in addition to the provision of a bell, which is a legal requirement for operators; and,
 - **Winter Operations Offset Fee:** If the operator has no winter experience, then this fee will be collected to offset the fact that the mobility service will not be available for a portion of the year. Operators that do not have winter operations experience will not be permitted to operate in the winter and will not receive a refund on this fee.

Implications of E-Scooters and Commercial Operations

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E-Scooters are increasingly being promoted as a means for improving mobility within a community because of their convenience for short trips and low space requirements. E-Scooters assist with the first-mile or last-mile commute and can support connections to transit. Since they are powered by electricity, they also have environmental benefits including reduced air emissions.

Commercial E-Scooter operations present challenges because the vehicles are generally stored in the City's right-of-way and managed by third-party operators. These challenges include parking compliance, illegal sidewalk riding and safety, both for the user and for pedestrians. The number of E-Scooter operators and the number of devices they operate, influence the degree of impact to the management of the right-of-way. In order to minimize this impact, the number of E-Scooter operators and devices are limited. Furthermore, safety technologies, locking mechanisms, safety procedures, and training requirements are standard practice. As a result of their low cost and ability to be rented out by a simple mobile device application, large numbers of E-Scooters can potentially be deployed where commercial operators exist.

Request for Proposal Process

Various approaches were considered for introducing commercial E-Scooter operators ranging from a simple application process to a more formalized licencing regime similar to what is used for taxis or Personal Transportation Providers (PTPs). However, based on experience in other jurisdictions, and taking into account the City of Hamilton's Procurement Policy, it was determined that an RFP approach would be most appropriate.

The RFP process will ensure that the City is able to launch an E-Scooter micro-mobility system that is right sized for the City and mitigates the impacts to the City's bike share system.

The RFP will require proponents to provide the details of their operations, compliance, communication and monitoring plans, and these will be evaluated as part of the RFP process. This includes the following areas:

- **Fleet Operations and Maintenance Plan:** Includes information on how the vehicles will be operated and maintained; how they will be deployed and how the geofencing will be used; how vehicles will be balanced, charged and repaired, and other key operating elements;
- **Staffing Plan:** Will outline how staffing will be maintained to operate the system and what types of hiring practices will be employed;

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- **Geographic Area:** Will outline the intended geographic area within the City that the operator will service. This area must include the minimum service area, which will be the existing bike share service area, but may be extended further, as proposed by the RFP proponent;
- **Data Management, Sharing and Reporting:** Will outline how the proponent will provide the key information requested by the City and what additional information they will provide; how they will convey that information to the City, and how that data is to be shared with partners who will perform analysis on the data including McMaster University;
- **Low Greenhouse Gas Emissions Plan:** Outlines business practices to ensure that the operations of the system result in low greenhouse gas emissions;
- **Website, Smartphone Application and Open Application Interface Plan:** Will outline what information will be conveyed to the user on-line, how they will be able to access the system and rent an E-Scooter, and how the application will be open so that third-party applications can allow users to access the systems in convenient ways;
- **Fleet Size and Operating Area Plan:** The operator will determine their fleet between 150 and 900 vehicles and indicate where these vehicles will operate within, and if applicable, beyond the minimum required service area. They will also provide a plan for how vehicles will be balanced and maintained within their geography;
- **Communication and Education Requirements:** Will outline how the proponent will promote safe use of the vehicles and how they will ensure users understand that the right-of-way needs to be managed and E-Scooters properly parked. This may include videos, campaigns, and signage;
- **Vehicle Parking Plan and Right-of-Way Safety Plan:** Will outline how proponents will attend to mis-parked E-Scooters, and the tools and strategies that will be used to ensure right-of-way safety;
- **Vehicle and Equipment Safety Requirements:** The operator will provide technical details on their equipment and how safety of the rider and those using the right-of-way are maintained;
- **Insurance and Liability:** Outlines that the proponent has the required insurance and liability documentation and policies in place;
- **Compliance, Security and Enforcement Plan:** Describes how the proponent will ensure compliance with all City by-laws and uphold any E-Scooter prohibitions that have been set by the City;
- **Fleet Expansion:** The City reserves the right to allow operators to add additional E-Scooters to allow for expansion of the service area;
- **Additional Infrastructure and Education Support:** Proponents will be encouraged to provide plans and resources for enhanced signage at key E-Scooter parking areas, support for enhanced education programs, support for the ERI

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Program (the Bike Share Equity Program operated by HBSI) and support for additional bike parking infrastructure to be installed by the City;

- **Adaptive Vehicles:** The current kick-style E-Scooters that are permitted as part of the Provincial pilot program are for able bodied persons, and in order to offset an increase in vehicles of one type in the right of way, it is important to invest in adaptive vehicles through the ERI in the form of a \$15 per vehicle adaptive bike share improvement fee that will help increase options for those who cannot ride an E-Scooter;
- **E-Scooter Subsidy Program:** Each operator will be required to provide subsidized passes for accessing the E-Scooters and non-smartphone access options; and,
- **Program Assessment:** Operators will be required to share anonymous trip-related data with the City of Hamilton during the pilot, monthly. This will include the number of vehicles, the number of vehicle trips, the number of active members, average trip duration, average trip length, the average length of time between uses, and other information to aid in assessing the success of the program and future expansion opportunities. Staff will work report back to Committee before the end of the pilot program.

The RFP and the operating contract that successful proponents will execute will help ensure that operations are in line with North American best practices and ensure that equity in the right-of-way is preserved so that pedestrian travel is not compromised at any time during E-Scooter program operations.

Any E-Scooter micro-mobility system operator will be eligible to apply to the RFP process. Applications will be evaluated as part of the RFP process based on the above-mentioned criteria. Only those applications that qualify and pass the evaluation will be permitted to operate in the City. If more than two operators pass, the operators with the top two highest evaluation scores will be permitted to operate and all others will not be awarded permits.

Operating Considerations for Commercial Operations

The RFP process and all necessary contracts and agreements will take into account the following considerations:

- Sidewalk and Pathway Operations Considerations

The regulations and by-laws approved on December 16, 2020 (PED20134/PW20050) outlined in Public Works Committee Minutes 20-12, Item 9.2; and By-law Number 20-270, take the general approach that E-Scooters will be treated similar to bicycles in that they are permitted to operate within the road right-of-way as a vehicle and not be permitted to operate on sidewalks. This is in part, due to the fact, that E-Scooters operate with similar speeds to bicycles but also takes into account that many sidewalks

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in Hamilton's older areas are often narrow and do not have generous furniture zones, and the operation of E-Scooters on sidewalks could compromise the pedestrian environment.

It is proposed, however, that E-Scooters be allowed to operate on selected pathways through parks. This would be a permissive approach, whereby, E-Scooters would not be allowed to operate in parks, unless in a designated area where City signs are posted. The focus would be on allowing their use on pathways that provide key community connections, are sufficiently wide, and are routinely maintained. Pathways, where E-Scooters are allowed, will be signed as such, keeping in mind the need to restrict access to private connections.

Commercial E-Scooter vehicles can have speed restrictions through areas such as parks using geo-fencing technology, this practice is employed in many North American municipalities. This ensures technology-based enforcement and compliance for commercially operated E-Scooters in areas where they are not permitted.

Commercial E-Scooter operators will also need to ensure that their vehicles have safety precautions that limit the rider's ability to ride in areas they are not permitted, including sidewalks and park pathways that are not on the approved list. This can be achieved through geo-fencing and speed limiting technologies, as well as the required acoustic vehicle alerting systems and techniques. The RFP process will ask for the operators' detailed mitigation plans for sidewalk and pathway safety. The RFP will also seek proof from potential operators that the operators are trained, licensed, and insured, to contribute positively to the safety of the right-of-way, and protection of pathways for unimpeded pedestrian use.

Any failure of successful proponents to the RFP to ensure unimpeded access to pedestrian right-of-way will risk a termination of their contract to operate their E-Scooter service.

- Right-of-Way Storage Considerations

Since commercial E-Scooters will be stored primarily in the "furniture zone" of the right-of-way, it is important to minimize their encroachment onto any pedestrian areas. Many jurisdictions in North America, including Chicago, IL are now requiring commercial E-Scooters to have locking mechanisms that allow them to be fastened to bike racks and poles in the furniture zone. The RFP process includes this "lock-to" requirement and requires that operators contribute to the improvement to bike parking in the right-of-way to ensure that there are ample parking locations.

In addition to this, operators will be required to remove any E-Scooters that are encroaching on pedestrian spaces, that are improperly parked, or E-Scooters that are

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not fastened to a bike rack or pole. In order to reinforce good usage practices, operators will be required to have education programs to ensure users know how to use the equipment and properly lock it up and have audible warnings when they are in use.

- Compliance and Enforcement

As with any new mode, enforcement will be a key consideration. Similar to bicycles, the enforcement of traffic by-laws will be carried out by Hamilton Police Services, and operations within Parks will be enforced by Licencing and By-Law Services. Enforcement requirements for personal E-Scooters are expected to be fairly modest but depend on uptake.

In terms of commercial operations, the RFP and contract address compliance requirements for commercial E-Scooter vehicles including: furniture zone parking; locking mechanisms; technology-based and geographic information services-based monitoring and enforcement; areas of operation; allowable fleet sizes; data sharing; insurance requirements; user education; communications; and fees. Staff in Transportation Planning (TP) will manage the contracts and ensure compliance and will deal with complaints about E-Scooters. Enforcement needs associated with commercial operations such as parking of E-Scooters and removal of abandon or improperly parked devices, will be built into operations agreements. TP Staff will manage the contracts, ensure compliance, and handle complaints about E-Scooters that are improperly parked or damaged. If E-Scooter companies do not properly tend to their equipment upon City request, then By-law Staff will be notified to levy any necessary costs through the security deposit.

Impact on the Existing Bike Share Program

A commercial E-Scooter program will enable the City to gain the most benefit from the use of E-Scooters as part of the City's overall micro-mobility strategy and the support of first-last mile connections to transit. However, the City must also balance these benefits with the potential impacts to the existing public bike share program.

The City-owned public bike share operations could be negatively impacted with the introduction of commercial E-Scooter operations. The data in North America on impacts is inconclusive and highly dependent on the existing conditions, ridership and municipal support for the existing bike share system operations. When E-Scooter programs are introduced in cities with stable, municipally funded, and supported bike share programs, there are usually initial impacts to bike share ridership which generally stabilize over time.

In recognition of this potential impact, Report PED20109(c) indicated that a portion of revenues from commercial E-Scooter operations would be allocated to offset the

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operating impact on the base bike share program. Staff are recommending that the vehicle and trip fees collected from E-Scooter operators will be used to offset operating impacts to the bike share program. Staff are also recommending that a Device Equity Fee be collected to invest in capital and operations of an adaptive vehicle fleet operated by the ERI. This fee recognizes that the E-Scooters permitted under the Provincial pilot regulations can predominantly only be used by able-bodied individuals, and an investment in other types of vehicles is necessary to provide more options to more residents.

Constant monitoring of ridership and revenues for the E-Scooter program and the bike share program will take place during the 24-month pilot to better understand the impacts and develop contingency plans to ensure sustainable operations.

Potential Issues Raised by the Community and Mitigation Plan

The issues presented to the General Issues Committee and Public Works Committee from the ACPD, including the May 11, 2021 and previous meetings, and the CNIB are well documented and have inspired changes to this Report and the recommended strategy for introducing commercial E-Scooter operations. Similarly, input from the Seniors Advisory Committee, Cycling Advisory Committee, and community groups were taken into account. This section summarizes some key issues raised and proposed mitigation strategies.

Issue Raised	Mitigation Strategy
Improper E-scooter parking - how can individuals report issues (e.g. improper parking); how improper parking can be mitigated	Operators need to have clear contact information on their vehicles. E-scooters will be required to conform to "lock to" parking approach whereby devices must be locked to approved municipal infrastructure.
Convenience and functionality – E-Scooters may not be suitable for inclement weather; battery power may be limited; do not have a basket to store items.	Operators must bring the newest version of their vehicles to Hamilton, which have better safety features and battery life. Baskets are not permitted under the Provincial regulations, at this time.
Operations and operating model – private operators have no incentive to operate over the long term and can decide to leave the City abruptly, similar to the	The City is charging fees to operate E-Scooter programs and is offsetting bike share operations with a portion of those fees. However, the best micro-mobility programs are those with long term public

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Issue Raised	Mitigation Strategy
<p>departure of the former Bike Share Operator in May 2020.</p> <p>The E-Scooter program could have substantial impacts to the bike share program.</p>	<p>private partnerships and not permit-based models.</p>
<p>Operational issues – challenges to winter operations, ease of sidewalk riding, potential for sidewalk clutter, may clutter bike share stations, e-bikes have all the convenience of E-Scooters, but with the benefit of being a bike.</p>	<p>A winter operations offset fee is being collected, in the event that the operator cannot operate in Winter; sidewalk clutter is being addressed by requiring lock-to scooters and revolving line of credit to recoup enforcement costs; bike share stations will be monitored during the pilot and e-bikes are being explored in subsequent reports.</p>
<p>Safety and enforcement – concerns regarding pedestrian and E-Scooter conflicts and enforcing helmet usage for user 16 or 17 of age.</p>	<p>This Report has incorporated best practice mitigation strategies for safety and enforcement.</p>
<p>Equity – the E-Scooters permitted through the Provincial pilot can predominantly only be used by able-bodied people; is a smartphone the only way to access the E-Scooters.</p>	<p>A device equity fee will be collected to invest in adaptive bike share; operators will be required to have subsidy programs; however, non-smartphone access may be a challenge during the pilot but may be feasible if a program is made permanent.</p>
<p>Parking Capacity – Existing bike parking cannot accommodate the influx of vehicles; accommodating E-Scooters can take away from investments in cycling and bike share, which still requires more investment.</p>	<p>The City plans to install more bike parking to provide sufficient parking for bikes and E-Scooters; the E-Scooter program will complement the cycling program and will support the continued investment in cycling infrastructure and bike share.</p>

ALTERNATIVES FOR CONSIDERATION

Council can decide not to seek a pilot commercial E-Scooter operator. Private individuals would continue to be allowed to operate personal E-Scooters in accordance with City by-laws.

**SUBJECT: Commercial E-Scooters Operations (PED20134(b)) (City Wide) - Page
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ALIGNMENT TO THE 2016 – 2025 STRATEGIC PLAN

Healthy and Safe Communities

Hamilton is a safe and supportive City where people are active, healthy, and have a high quality of life.

Our People and Performance

Hamiltonians have a high level of trust and confidence in their City government.

APPENDICES AND SCHEDULES ATTACHED

N/A

PT:cr

Parts, Supplies, Equipment and Services for the City of Hamilton Environmental Laboratory

Vendor Name	Services	Distributor	Est. Annual Spend 2021	Annual Spent 2020	Annual Spent 2019	Annual Spent 2018	Annual Spent 2017	Comments
AirOn HVAC Services Ltd.	The Makeup Air Unit (Engineered Air) is the sole unit that provides exhaust for all laboratory chemical hoods. AirOn has been providing this service and now has an intimate history of the needs and complexity until a replacement unit can be provided under separate contract.		\$75,000	\$75,629	\$ 175,519.15	\$ 74,650.00	\$ 58,612.00	
Eurofins Abraxis Inc	Original Equipment Manufacturer spare parts, brokerage fees, supplies and services for existing equipment utilized by the Environmental Laboratory.	Original Equipment Manufacturer spare parts, brokerage fees, supplies and services for existing equipment utilized by the Environmental Laboratory.	\$ 10,500.00	\$ 9,552.00	\$ 8,892.72	\$ 6,675.00	\$ 9,300.00	USD Shipping not included (PT)
Agilent Technologies Canada, Inc.	Original Equipment Manufacturer spare parts, brokerage fees, supplies and services for existing equipment utilized by the Environmental Laboratory.	Original Equipment Manufacturer spare parts, brokerage fees, supplies and services for existing equipment utilized by the Environmental Laboratory.	\$ 100,000.00	\$ 55,472.32	\$ 63,855.20	\$ 64,948.96	\$ 66,610.49	
The Canadian Association for Laboratory Accreditation Inc. (CALA)	On site ISO 17025 Laboratory Assessments utilized by the Environmental Laboratory to maintain ISO 17025 Accreditation.		\$ 15,000.00	\$ 12,346.58	\$ 24,265.70	\$ 27,550.00	\$ 22,400.00	
IDEXX Distribution, Inc./IDEXX Laboratories Canada Corp./IDEXX Laboratories, Inc.	Original Equipment Manufacturer spare parts, brokerage fees, supplies and services for existing equipment utilized by the Environmental Laboratory.	Original Equipment Manufacturer spare parts, brokerage fees, supplies and services for existing equipment utilized by the Environmental Laboratory.	\$ 35,000.00	\$33,420.61	\$ 7,513.26	\$ 16,805.00	NA	
Magnetar Corporation	Maintenance and Upgrades to SIRIUS Laboratory Information Management System (LIMS) database.		\$ 55,000.00	\$ 39,246.67	\$ 25,432.48	\$ 22,245.76	\$ 21,601.37	
Millipore (Canada Ltd.)/ EMD Millipore Corporation/Millipore Canada Ltd.	Original Equipment Manufacturer spare parts, brokerage fees, supplies and services for existing equipment utilized by the Environmental Laboratory.	Original Equipment Manufacturer spare parts, brokerage fees, supplies and services for existing equipment utilized by the Environmental Laboratory.	\$ 21,000.00	\$ 14,147.42	\$ 16,488.92	\$ 17,671.00	\$ 14,692.36	
PTC Proficiency Testing Canada (Proficiency Testing Canada Inc.)		Provider of specialized standards utilized by the Environmental Laboratory to maintain ISO 17025 Accreditation.	\$ 13,000.00	\$10,600.00	NA	NA	NA	
SGS Canada Inc.	Laboratory Analytical Services Accredited to ISO 17025 and MECP Licensed for regulatory drinking water analysis for specific tests listed in their scope of analysis.		\$ 90,000.00	\$ 123,171.35	\$ 34,059.27	\$ 38,738.10	\$ 109,074.00	

Parts, Supplies, Equipment and Services for the City of Hamilton Environmental Laboratory

Vendor Name	Services	Distributor	Est. Annual Spend 2021	Annual Spent 2020	Annual Spent 2019	Annual Spent 2018	Annual Spent 2017	Comments
Skalar Inc.	Original Equipment Manufacturer spare parts, brokerage fees, supplies and services for existing equipment utilized by the Environmental Laboratory.	Original Equipment Manufacturer spare parts, brokerage fees, supplies and services for existing equipment utilized by the Environmental Laboratory.	\$ 20,000.00	\$ 19,334.95	\$ 13,377.95	\$ 22,071.50	\$ 17,794.00	
Systems Plus (1936100 Ontario Inc.)		Provider of pre-cleaned, pre-labelled Laboratory Bottles for all analytical analysis including regulatory drinking water.	\$ 50,000.00	\$ 35,568.82	\$ 34,607.66	\$ 31,150.74	\$ 44,404.30	
VWR (A Part of Avantor) / VWR International Co./Avantor Delivered by VWR		Provider of specialized standards utilized by the Environmental Laboratory to maintain ISO 17025 Accreditation.	\$ 30,000.00	\$ 25,895.00	\$ 21,000.00	\$ 20,616.00	\$ 23,342.00	
Environmental Resource Associates (ERA)								
			\$ 514,500.00	\$ 454,384.72	\$ 425,012.31	\$ 343,122.06	\$ 387,830.52	

Vendor Name	Original Equipment	Service	Distributor	Goods	Services	Distributor	Estimated Spend 2021	Annual Spent 2020	Annual Spent 2019	Annual Spent 2018	Annual Spent 2017	Comments
3M	x			Original Equipment Manufacturer for DBI-Sala Davit Guard System and associated parts.			\$ 24,000.00	\$ 6,000.00	\$ -	\$ -	\$ -	
ABB Inc.	x	x	x	Original Equipment Manufacturer for analyzers and transmitters, as well as GE Industrial Solutions electrical control equipment, switchgear, soft starters, variable frequency drives. Power distribution equipment / Centrifuge power and control	Original Equipment Manufacturer, sole goods and authorized service provider for ABB and GE Industrial Solutions products.	Original Equipment Manufacturer, sole goods and authorized service provider for ABB and GE Industrial Solutions products.	\$ 5,500.00	\$ -	\$ 2,280.00	\$ 13,768.00	\$ -	
ACI Instrumentation Ltd.			x			ACI Instruments LTD is the exclusive Ontario distributor for Pulsar, Greyline, Hydroflow and Krohne products.	\$ 35,000.00	\$ 21,000.00	\$ 22,589.00	\$ 79,319.00	\$ 8,679.88	
Active Scale Manufacturing Inc.	x	x	x	Original Equipment Manufacturer for the truck weigh scale system used at the Woodward WWTP.	Original Equipment Manufacturer, sole goods and authorized service provider for Active Scale products.	Original Equipment Manufacturer, sole goods and authorized service provider for Active Scale products.	\$ 2,500.00	\$ 3,872.00	\$ 850.00	\$ -	\$ 1,564.00	
Additel	x			Original Equipment Manufacturer for process measurement and calibration monitoring equipment.			\$ -	\$ -	\$ -	\$ -	\$ -	
Advantech	x			Original Equipment Manufacturer for process measurement and calibration monitoring equipment.			\$ -	\$ -	\$ -	\$ -	\$ -	
Aerzen Canada Inc.	x	x	x	Original Equipment Manufacturer for Aerzen blowers and associated parts.	Original Equipment Manufacturer, sole goods and authorized service provider for Aerzen Canada products.	Original Equipment Manufacturer, sole goods and authorized service provider for Aerzen Canada products.	\$ 4,000.00	\$ -	\$ 1,788.90	\$ 1,040.60	\$ 11,437.31	
Alfa Laval Canada Inc.	x	x	x	Original Equipment Manufacturer for centrifuges, gravity thickener belts (formerly Ashbrooks) and associated parts.	Original Equipment Manufacturer, sole goods and authorized service provider for Alfa Laval Canada Inc. and Ashbrooks products.	Original Equipment Manufacturer, sole goods and authorized service provider for Alfa Laval Canada Inc. and Ashbrooks products.	\$ 75,000.00	\$ 10,035.00	\$ 26,114.02	\$315,342.13	\$ 59,451.79	
Armstrong	x			Original Equipment Manufacturer for pumps, hot waterrecirculation systems and associated parts.			\$ -	\$ -	\$ -	\$ -	\$ -	
Asco	x			Original Equipment Manufacturer for regulatory flow control and pressure control equipment.			\$ -	\$ -	\$ -	\$ -	\$ -	
Asea Brown Boveri (ABB)	x			Original Equipment Manufacturer for regulatory water quality monitoring equipment.			\$ -	\$ -	\$ -	\$ -	\$ -	
ASI Group		x			Provision of underwater services for inspection, repair, cleanout, or installation of equipment.		\$ -	\$ -	\$ 8,151.00	\$ 25,111.00	\$ 7,113.00	
ATI	x			Original Equipment Manufacturer for gas monitoring equipment.			\$ -	\$ -	\$ -	\$ -	\$ -	
Auma Actuators Inc	x			Original Equipment Manufacturer for actuators.			\$ -	\$ -	\$ -	\$ -	\$ -	

Vendor Name	Original Equipment	Service	Distributor	Goods	Services	Distributor	Estimated Spend 2021	Annual Spent 2020	Annual Spent 2019	Annual Spent 2018	Annual Spent 2017	Comments
Avensys Solutions Inc.		x	x		Sole goods and Original Equipment Manufacturer authorized service provider for Teledyne ISCO and QCEC automatic water/wastewater sampling and flow monitoring equipment for Canada.	Sole distributor for Fluid Components International LLC products for the Province of Ontario and sole distributor for Teledyne ISCO and QCEC automatic water/wastewater sampling and flow monitoring equipment for Canada.	\$ 50,000.00	\$ 70,571.00	\$ 34,219.00	\$ 48,481.45	\$ 28,872.00	
AW Chesterton Co Ltd	x	x	x	Original Equipment Manufacturer for Mechanical Seal Pump and Valve Packing, Engineered Polymer Hydraulic/Pneumatic Seals, Sheet Gaskets, Metal and Concrete Composite Coating Systems, MRO and Production Cleaners and Degreasers, Lubricants and Metal Working Fluids.	Original Equipment Manufacturer, sole goods and authorized service provider for AW Chesterton Co. Ltd products and Inpro/Seals® Custom Engineered Bearing Protection and Process Seals.	Exclusive distributor for Inpro/Seals® Custom Engineered Bearing Protection and Process Seals.	\$ 4,500.00	\$ 1,542.00	\$ 3,666.60	\$ 10,560.00	\$ 1,027.00	
Aysix Analytical Equipment	x			Original Equipment Manufacturer for process monitoring equipment.			\$ -	\$ -	\$ -	\$ -	\$ -	
Baker Hughes Energy Services Canada (formerly Bentley Nevada and General Electric Canada)	x	x	x	Original Equipment Manufacturer for pump monitoring equipment.	Original Equipment Manufacturer, sole goods and authorized service provider for Bentley Nevada products and services, including but not limited to vibration monitoring equipment and	Original Equipment Manufacturer, sole goods and authorized service provider for Bentley Nevada products, including but not limited to vibration monitoring equipment and associated parts.	\$ 5,000.00	\$ -	\$ -	\$ 6,442.50	\$ 7,272.50	
Benshaw	x	x	x	Original Equipment Manufacturer for soft starters, variable frequency drives and switchgear equipment.	Original Equipment Manufacturer, sole goods and authorized service provider for Benshaw products including soft starters variable frequency drives and switchgear products and services.	Original Equipment Manufacturer, sole goods and authorized service provider for Benshaw products including soft starters variable frequency drives and switchgear products and services.	\$ 4,000.00	\$ -	\$ -	\$ 8,028.00	\$ 3,320.00	
Blue-White	x			Original Equipment Manufacturer for chemical metering and dosing equipment.			\$ -	\$ -	\$ -	\$ -	\$ -	
Brentwood Industries	x			Original Equipment Manufacturer for clarifier tank equipment and associated parts.			\$ -	\$ -	\$ -	\$ -	\$ -	
C & M Environmental Technologies Inc.		x	x		Sole Original Equipment Manufacturer authorized service provider for Brentwood, WesTech, Environmental Dynamics International and SPIRAC products.	Sole authorized distributor for Brentwood, WesTech, Environmental Dynamics International and SPIRAC products. Sole authorized sales representative for WesTech sludge mixers and associated parts in Ontario.	\$600,000.00	\$ -	\$ -	\$ 21,376.88	\$ 86,831.29	
Can-Am Instruments Ltd.		x	x		Sole Original Equipment Manufacturer authorized service provider for Hach Flow & Sampling in Ontario.	Sole authorized distributor of Hach Flow & Sampling products in Ontario.	\$ 12,000.00	\$ 10,073.00	\$ 1,958.34	\$ 13,955.76	\$ 22,082.60	
Cancoppas Limited		x	x		Sole Original authorized service provider for Aysix Technologies products, and GWF Technologies.	Sole authorized distributor for Aysix Technologies products in Canada, and GWF Technologies products in Ontario.	\$ 30,000.00	\$ 62,427.00	\$ 24,677.25	\$ 19,765.42	\$ 2,617.24	

Vendor Name	Original Equipment	Service	Distributor	Goods	Services	Distributor	Estimated Spend 2021	Annual Spent 2020	Annual Spent 2019	Annual Spent 2018	Annual Spent 2017	Comments
Caterpillar Inc.	x			Original Equipment Manufacturer for engines, generators, controllers and associated parts for back-up power equipment.			\$ -	\$ -	\$ -	\$ -	\$ -	
Chemline	x			Original Equipment Manufacturer for pressure control devices, valves, control and regulation devices, piping, tubing and flow meters.			\$ -	\$ -	\$ -	\$ -	\$ -	
Cla-Val	x			Original Equipment Manufacturer for specialty valves and flow monitoring.			\$ -	\$ -	\$ -	\$ -	\$ -	
Conval Process Solutions Inc.			x			Sole authorized distributor for GA Industries products in Ontario.	\$ 15,000.00	\$ -	\$ 23,618.45	\$ 13,709.00	\$ 14,400.72	
Crane Pumps And Systems Canada	x			Original Equipment Manufacturer for pumps and associated parts.			\$ -	\$ -	\$ -	\$ -	\$ -	
Danfoss / Vacon	x			Original Equipment Manufacturer for Vacon soft starters and variable frequency drives.			\$ -	\$ -	\$ -	\$ -	\$ -	
Devine & Associates Ltd.		x	x			Sole authorized distributor of Cla-Val products in Ontario.	\$ 10,000.00	\$ 4,086.00	\$ 22,324.00	\$ 4,216.00	\$ 7,751.86	
Dezurik	x			Original Equipment Manufacturer for valves.			\$ -	\$ -	\$ -	\$ -	\$ -	
Directrik			x			Sole authorized distributor for Seepex, Vogelsang, Flowserve (including but not limited to Worthington, Pacific, Ingersoll-Rand, Byron Jackson, Durco, Innomag and Sihi) and Trillium Flow Technologies (WEMCO, WSP) products for the province of Ontario, Hidrostal/Bedford pumps	\$ 6,000.00	\$ 18,067.00	\$ 24,572.53	\$ -	\$ -	
Drive Centre		x	x		Original Equipment Manufacturer authorized service provider for AC drive systems including Danfoss, VLT and VACON brands.		\$ 6,000.00	\$ -	\$ 11,845.60	\$ -	\$ -	
Eaton Industries Canada Company	x	x		Original Equipment Manufacturer parts for electrical distribution equipment covering Eaton Industries Canada, Cutler-Hammer, Westinghouse, Cooper, and Klockler Moller brand names. Parts include transformers, switchgear, breakers, relays/power meters, Ct's, Pt's, surge protectors and other associated electrical distribution parts.	Original Equipment Manufacturer authorized service provider for power distribution systems covering Eaton Industries Canada, Cutler-Hammer, Westinghouse, Cooper, and Klockler Moller brand names. Field service and technical support for the uninterrupted power supply units for the power distribution system.		\$300,000.00	\$ 77,000.00	\$127,341.00	\$124,004.43	\$235,974.10	
Endress+Hauser	x			Original Equipment Manufacturer for process measurement and optimization monitoring equipment.			\$ -	\$ -	\$ -	\$ -	\$ -	

Vendor Name	Original Equipment	Service	Distributor	Goods	Services	Distributor	Estimated Spend 2021	Annual Spent 2020	Annual Spent 2019	Annual Spent 2018	Annual Spent 2017	Comments
Envirocan Wastewater Treatment		x	x		Sole Original Equipment Manufacturer authorized service provider for JWC Environmental, Muffin Monster®, Channel Monster®, Auger Monster®, Screenings Washer Monster®, Honey Monster® and Monster Screening Systems®	Sole authorized distributor for JWC Environmental, Muffin Monster®, Channel Monster®, Auger Monster®, Screenings Washer Monster®, Honey Monster® and Monster Screening Systems® products.	\$ 60,000.00	\$ -	\$ -	\$ 36,300.00	\$138,764.00	
Environmental Dynamics	x			Original Equipment Manufacturer for aeration diffusers and associated parts.			\$ -	\$ -	\$ -	\$ -	\$ -	
Eramosa Engineering Inc.	x	x		Consultant and provider of the SCADA architecture , DATA, Network under SCADA master plan , SCADA _E network provider.	Sole Original Equipment Manufacturer authorized service agent in North America for existing eRIS software users. SCADA support service and maintenance provider for network,data, SCADA architecture core system level.		\$300,000.00	\$221,826.00	\$ 90,331.64	\$430,455.47	\$612,110.71	
ESC Automation Inc.		x	x		Sole Original Equipment Manufacturer authorized service provider for Delta Controls	Sole authorized distributor for Delta Controls products.	\$ 60,000.00	\$ 54,000.00	\$ 43,937.00	\$ 82,887.00	\$ 46,458.00	
Evoqua Water Technologies Ltd (Formerly US Filter)	x		x	Original Equipment Manufacturer for intake screens, clarification systems, separation systems and associated parts as well as disinfection, water quality and regulatory monitoring equipment.		Sole authorized distributor for Wallace & Tiernan equipment and associated parts.	\$120,000.00	\$120,508.00	\$ 21,104.99	\$549,684.42	\$ 26,081.07	
Fag Bearings	x			Original Equipment Manufacturer for bearing as identified on motor name plates.			\$ -	\$ -	\$ -	\$ -	\$ -	
Floval Equipment Ltd.		x	x		Sole authorized service provider for HydraTite Seal products.	Sole authorized distributor for BNW Valve, HydraTite Seal, DeZURIK Inc. (DeZURIK, APCO, Willamette, and Hilton) and Hebdraulique products.	\$ 20,000.00	\$ -	\$ 14,000.00	\$ 19,723.00	\$ 588.73	
Flow Motion	x			Original Equipment Manufacturer for chemical metering equipment.			\$ -	\$ -	\$ -	\$ -	\$ -	
Gerrie Electric Wholesale Limited		x	x	Original Equipment Manufacturer for electrical distribution equipment including transformers, switchgear, breakers, relays/power meters, Ct's, Pt's, surge protectors, motors and other associated distribution equipment.	Sole Original Equipment Manufacturer authorized service provider for Rockwell Automation, Allen Bradley, Endress+Hauser brand electrical distribution systems and parts, and Advantech SCADA OIT computer.	Sole authorized distributor for Rockwell Automation, Allen Bradley, and Endress+Hauser brand electrical distribution systems and parts. Rockwell Agent for technical support under Rockwell technical support agreement.	\$130,000.00	\$243,200.00	\$135,000.00	\$126,582.97	\$ 7,633.48	
Golden Anderson	x			Original Equipment Manufacturer for valves and associated parts.			\$ -	\$ -	\$ -	\$ -	\$ -	
Gorman Rupp	x			Original Equipment Manufacturer for pumps and associated parts.			\$ -	\$ -	\$ -	\$ -	\$ -	
Gratec	x			Original Equipment Manufacturer for mixers and associated parts.			\$ -	\$ -	\$ -	\$ -	\$ -	

Vendor Name	Original Equipment	Service	Distributor	Goods	Services	Distributor	Estimated Spend 2021	Annual Spent 2020	Annual Spent 2019	Annual Spent 2018	Annual Spent 2017	Comments
GrayMatter Systems		x	x		Sole authorized service and support representative in Canada for GE Digital Software as well as being assigned as the Partner of Record to Service the City of Hamilton. Provides support for the GE Historian and Alarm and Events software	Sole authorized service and support representative in Canada for GE Digital Software as well as being assigned as the Partner of Record to Service the City of Hamilton.	\$250,000.00	\$ 20,483.00	\$ -	\$ -	\$ -	
Grundfos	x			Original Equipment Manufacturer for submersible pumps and related parts, and chemical dosing equipment.			\$ -	\$ -	\$ -	\$ -	\$ -	
Hach Sales & Service LP	x	x	x	Original Equipment Manufacturer for regulatory analyzers, monitoring and control devices.	Original Equipment Manufacturer authorized service provider for repair, start-up service, warranty repair or maintenance on HACH instruments.	Original Equipment Manufacturer and sole source distributor for all Hach branded products.	\$130,000.00	\$259,394.00	\$ 89,537.75	\$ 73,963.28	\$ 89,869.32	
HCE Telecom Inc.	x	x	x	City authorized SCADA ISP provider	HCE provides remote SCADA access and communications to Hamilton Water Infrastructure including fibre optic cable installation and repair services.	HCE is the distributor for communication hardware, routers, switches and cellular antennas.	\$ 50,000.00	\$ 29,000.00	\$ -	\$ -	\$ -	
Hydroflow	x			Original Equipment Manufacturer for electronic water conditioners and associated parts.			\$ -	\$ -	\$ -	\$ -	\$ -	
Hydromatic Pumps	x			Original Equipment Manufacturer for pumps and associated parts.			\$ -	\$ -	\$ -	\$ -	\$ -	
Hydrovision (GWF Technologies)	x			Original Equipment Manufacturer for flow monitoring equipment.			\$ -	\$ -	\$ -	\$ -	\$ -	
Indachem Inc		x	x		Sole Original Equipment Manufacturer authorized service representative for PolyBlend ® line of products, equipment and associated parts.	Sole authorized distributor for PolyBlend ® line of products, equipment and associated parts.	\$ 34,000.00	\$ 34,200.00	\$ -	\$ -	\$ -	
Flygt	x			Original Equipment Manufacturer for pumps and associated parts.			\$ -	\$ -	\$ -	\$ -	\$ -	
John Brooks Company Limited		x	x		Sole Original Equipment Manufacturer authorized service provider for Vaughan Co. Inc. (including Chopper, Triton, and Rotomix brands).	Sole authorized distributor for Engineered Systems (Municipal) , Vaughan Co. Inc. (Chopper, Triton, Rotomix), Goulds Water Technology.	\$ 15,000.00	\$ 10,186.00	\$ 270.60	\$ 75,878.02	\$ 3,096.00	
John Crane	x	x	x	Original Equipment Manufacturer for seals, packing, couplings and associated parts.	Sole Original Equipment Manufacturer authorized service provider of John Crane products.	Original Equipment Manufacturer and sole goods distributor of John Crane products.	\$ 12,500.00	\$ 22,400.00	\$ 9,455.84	\$ 13,829.20	\$ 3,698.50	

Vendor Name	Original Equipment	Service	Distributor	Goods	Services	Distributor	Estimated Spend 2021	Annual Spent 2020	Annual Spent 2019	Annual Spent 2018	Annual Spent 2017	Comments
JSM Controls Inc		x			Service for chlorination equipment and gas chlorination systems in water/wastewater treatment applications. JSM controls maintains the correct TSSA licensing and credentials to perform this work and are well versed with the process and equipment within Hamilton Water's facilities. Their ongoing sole source service support ensures that timely service is received for highly regulated process equipment, to support regulatory compliance and continuance of operations.		\$ 25,000.00	\$ 19,000.00	\$ 40,000.00	\$ 40,894.00	\$132,000.29	
JWC Environmental - Muffin Monster	x			Original Equipment Manufacturer for grinders and associated parts.			\$ -	\$ -	\$ -	\$ -	\$ -	
Krohne	x			Original Equipment Manufacturer for flow meters.			\$ -	\$ -	\$ -	\$ -	\$ -	
KSB Pumps Inc. (Canada)	x	x	x	Original Equipment Manufacturer for pumps and associated parts.	Sole Original Equipment Manufacturer authorized service provider in Canada for all KSB manufactured pumps, valves, parts and service.	Original Equipment Manufacturer and sole goods provider in Canada for all KSB manufactured pumps, valves, parts and service.	\$ -	\$ -	\$ -	\$ 9,102.26	\$ -	
Lakeside Process Controls Ltd		x	x		Sole Original Equipment Manufacturer authorized service provider for Emerson Automation Solutions products including, but not limited to, MicroMotion flowmeters, Fisher Control Valves, DeltaV® Control Systems, and the Rosemount brand of measurement devices.	Sole authorized distributor for Emerson Automation Solutions products including, but not limited to, MicroMotion flowmeters, Fisher Control Valves, DeltaV® Control Systems, and the Rosemount brand of measurement devices.	\$ 10,000.00	\$ 32,463.00	\$ 4,638.06	\$ 1,280.00	\$ 9,116.08	
Landmark Municipal Services ULC (LMS)		x			Providers of specialized services including the annual aircraft lighting and maintenance on water towers, and water tower maintenance including cleaning. Landmark maintains the required qualifications for tower climbing, harnessing, safety planning, rescue planning documentation and personnel, etc.		\$ 45,000.00	\$ 10,350.00	\$ 18,500.00	\$ 9,800.00	\$ 9,361.05	
Link Belt	x			Original Equipment Manufacturer for bearings, seals and associated parts.			\$ -	\$ -	\$ -	\$ -	\$ -	
Lonestar	x			Original Equipment Manufacturer for aeration blowers and associated parts.			\$ -	\$ -	\$ -	\$ -	\$ -	

Vendor Name	Original Equipment	Service	Distributor	Goods	Services	Distributor	Estimated Spend 2021	Annual Spent 2020	Annual Spent 2019	Annual Spent 2018	Annual Spent 2017	Comments
Lotowater Technical Services Inc		x			Lotowater is the preferred service provider to the City of Hamilton for potable water wells assessment, maintenance and repair. They are local and readily available to respond to emergency situations, they have profound experience with each of the City's communal drinking water wells, and they maintain an inventory of repair parts and equipment at their facility.		\$ 35,000.00	\$135,230.00	\$ -	\$ -	\$ 33,178.69	
Mccrometer	x			Original Equipment Manufacturer for regulatory flow monitoring devices.			\$ -	\$ -	\$ -	\$ -	\$ -	
Micro Pump	x			Original Equipment Manufacturer of pumps for regulatory water quality sampling systems and chemical metering equipment.			\$ -	\$ -	\$ -	\$ -	\$ -	
Moyno Inc	x			Original Equipment Manufacturer for pumps, grinders and associated parts.			\$ -	\$ -	\$ -	\$ -	\$ -	
MSA	x			Original Equipment Manufacturer for gas monitoring equipment, self contained breathing apparatus, confined space entry equipment, and associated replacement parts.			\$ -	\$ -	\$ -	\$ -	\$ -	
Myers Pumps	x			Original Equipment Manufacturer for pumps and associated parts.			\$ -	\$ -	\$ -	\$ -	\$ -	
NatPro - DXP			x			Sole authorized distributor for Pentair and Aurora products.	\$ -	\$ -	\$ -	\$ -	\$ -	
Netzsch	x			Original Equipment Manufacturer for pumps and associated parts.			\$ -	\$ -	\$ -	\$ -	\$ -	
Nivus	x			Original Equipment Manufacturer for flow and level control equipment.			\$ -	\$ -	\$ -	\$ -	\$ -	
Pentair	x			Original Equipment Manufacturer for Aurora, Aurora Fire, Fairbanks, Nijhuis, Layne-Vertiline, VTSH (vertical turbine solid handling) products and associated parts.			\$ -	\$ -	\$ -	\$ -	\$ -	
Philadelphia Mixing Solutions	x			Original Equipment Manufacturer for mixers and associated parts.			\$ -	\$ -	\$ -	\$ -	\$ -	
PMC Engineering	x			Original Equipment Manufacturer for level, pressure and process monitoring and control equipment.			\$ -	\$ -	\$ -	\$ -	\$ -	
Pro Aqua Inc			x			Sole authorized distributor for Evoqua's Wastewater Treatment Group equipment.	\$ 2,500.00	\$ 2,336.00	\$ 2,080.70	\$110,566.68	\$ -	
Prominent	x			Original Equipment Manufacturer for regulatory water quality monitoring and disinfection equipment.			\$ -	\$ -	\$ -	\$ -	\$ -	
Pulsar	x			Original Equipment Manufacturer for level monitoring equipment.			\$ -	\$ -	\$ -	\$ -	\$ -	

Vendor Name	Original Equipment	Service	Distributor	Goods	Services	Distributor	Estimated Spend 2021	Annual Spent 2020	Annual Spent 2019	Annual Spent 2018	Annual Spent 2017	Comments
Red Valve	x			Original Equipment Manufacturer for valves and associated parts.			\$ -	\$ -	\$ -	\$ -	\$ -	
Rockwell Automation (Allen-Bradley)	x	x		Original Equipment Manufacturer for soft starters, variable frequency drives and SCADA components.	Technical support provider for their provided hardware and software		\$ -	\$ -	\$ -	\$ -	\$ -	
Ro-Flo Compressors LLC	x			Original Equipment Manufacturer for compressors and associated parts.			\$ -	\$ -	\$ -	\$ 60,558.00	\$ -	
Rotork Controls (Canada) Ltd.	x	x	x	Original Equipment Manufacturer for actuators.	Original Equipment Manufacturer authorized service provider.	Original Equipment Manufacturer authorized distributor.	\$ 15,000.00	\$ 13,000.00	\$ 17,205.05	\$ 43,910.66	\$ 28,903.43	
S&C Electric Canada	x	x		Original Equipment Manufacturer for outdoor power distribution and control devices within S&C cabinets.	Original Equipment Manufacturer authorized service provider for outdoor power distribution and control devices within S&C		\$ -	\$ -	\$ -	\$ -	\$ -	
SCG (Formerly Metcon Sales & Engineering Limited)			x			Sole authorized distributor for Spencer Equipment, Watson Marlow Fluid Technology and ProMinent Canada products.	\$ 55,000.00	\$ 70,000.00	\$ 37,965.04	\$ 52,918.46	\$ 61,045.42	
Schneider Electric Canada	x	x		Original Equipment Manufacturer for the power distribution system, soft starters and variable frequency drives including Shneider Electric, Federal Pioneer, and Square D brands. Original Equipment Manufacturer for ION Metering parts and relays.	Original Equipment Manufacturer authorized service provider for the power distribution system, soft starters and variable frequency drives including Shneider Electric, Federal Pioneer, Square D brands. Original Equipment Manufacturer authorized service provider for ION Metering parts and relays. Equipment Manufacturer Provider of SME 2020 software software		\$ 20,000.00	\$ -	\$ -	\$ 10,874.44	\$ -	
Schweitzer	x	x		Original Equipment Manufacturer for protective relay and communications equipment associated with the power distribution system.	Original Equipment Manufacturer authorized service provider for protective relay and communications equipment associated with the power		\$ -	\$ -	\$ -	\$ -	\$ -	
Schwing Bioset Inc	x		x	Original Equipment Manufacturer for biosolids equipment and associated parts.		Original Equipment Manufacturer and sole distributor of Schwing spare parts used on Schwing equipment.	\$ 50,000.00	\$ 34,000.00	\$ 230,598.16	\$ 26,132.50	\$ -	
Seepex	x			Original Equipment Manufacturer for pumps and associated parts.			\$ -	\$ -	\$ -	\$ -	\$ -	Refer to Directrik
Siemens Canada Limited	x	x		Original Equipment Manufacturer for power distribution, soft starters and variable frequency drives.	Original Equipment Manufacturer authorized service provider for power distribution, soft starters and variable frequency drives.		\$ 20,000.00	\$ -	\$ -	\$ 58,480.04	\$ 50,617.00	
Singer Valve	x			Original Equipment Manufacturer for valves and associated parts.			\$ -	\$ -	\$ -	\$ -	\$ -	
SKF Bearings	x			Original Equipment Manufacturer for bearings as identified on motor name plates.			\$ 10,000.00	\$ -	\$ 12,500.00	\$ -	\$ -	
Smart Turner Pumps Inc.	x		x	Original Equipment Manufacturer for pumps and associated parts.		Original Equipment Manufacturer and sole distributor of Smart Turner Pumps.	\$ 20,000.00	\$ 58,370.00	\$ -	\$ -	\$ -	

Vendor Name	Original Equipment	Service	Distributor	Goods	Services	Distributor	Estimated Spend 2021	Annual Spent 2020	Annual Spent 2019	Annual Spent 2018	Annual Spent 2017	Comments
Smith & Loveless, Inc.	x		x	Original Equipment Manufacturer for pumps, grit classification systems and associated parts.		Original Equipment Manufacturer and sole distributor of Smith & Loveless products and equipment.	\$ 25,000.00	\$ 24,000.00	\$ 85,761.18	\$ 49,961.63	\$ 10,065.50	
Spaans Babcock	x		x	Original Equipment Manufacturer for screws, gear box and associated parts.		Original Equipment Manufacturer and sole distributor Spaans Babcock products and training / inspection services in North America. The products include Spaans Babcock screw pumps, hydro screw generators, fine screen and any spare parts related to these products.	\$ 20,000.00	\$ 71,125.00	\$ 8,455.00	\$ 7,833.00	\$ 16,925.14	
SPD Sales Limited		x	x		Sole Original Equipment Manufacturer authorized service provider for Grundfos, Kurz Instruments, Vega, Xylem Brands (YSI IQ Sensornet, Royce Technologies & WTW products).	Sole authorized distributor for MSA Safety Inc. (for Fixed Gas and Flame Detection products), ATI products, Blue- White Industries Pro-Series M product line, Nivus, Grundfos, Kurz Instruments, Chemtrac, and Xylem Brands (YSI IQ Sensornet, Royce Technologies & WTW products).	\$ 50,000.00	\$115,781.00	\$ 79,801.75	\$ 43,437.00	\$ 59,499.57	
Spirac	x			Original Equipment Manufacturer for grit handling augers and associated			\$ -	\$ -	\$ -	\$ -	\$ -	
SPX Flow	x			Original Equipment Manufacturer for mixer process systems and associated parts.			\$ -	\$ -	\$ -	\$ -	\$ -	
SRP Control Systems Limited		x	x		Sole Original Equipment Manufacturer authorized service provider of Additel products in Canada.	Sole authorized distributor of Additel, PMC Engineering Legacy Series Industrial Pressure Transmitters, PMC Engineering VersaLine Series Submersible Depth and Level Sensors, and STS Series Precision Pressure Sensors in Canada.	\$ 15,000.00	\$ 19,920.00	\$ 16,215.00	\$ -	\$ -	
Suez Treatment Solutions Inc. (formerly Infilco Degremont)	x		x	Original Equipment Manufacturer for Climber Screen ®, and associated parts.		Original Equipment Manufacturer and sole distributor of Climber Screen ®, and associated parts.	\$150,000.00	\$ 52,547.00	\$ -	\$357,720.21	\$176,538.71	
Syntec Process Equipment Ltd.		x	x		Sole Original Equipment Manufacturer authorized service provider for Fontaine-Aquanox and Val-Matic products.	Sole authorized distributor for Banyan Products, Fontaine-Aquanox, Master Distributor of Chemline Plastics, J&S Valve Inc., Netzsch, Singer, Limitorque Products for Simons Automation and Supply, Trueline Valve Corp., Val-Matic,	\$100,000.00	\$172,381.00	\$197,007.30	\$129,690.50	\$ 75,000.96	
T.D. Rooke Associates Limited			x			Sole authorized distributor for SPXFLOW – Lightning Mixers, and associated parts.	\$ 25,000.00	\$ -	\$ -	\$ -	\$ 55,300.28	
Teledyne (ISCO)	x			Original Equipment Manufacturer for auto samplers.			\$ -	\$ -	\$ -	\$ -	\$ -	

Vendor Name	Original Equipment	Service	Distributor	Goods	Services	Distributor	Estimated Spend 2021	Annual Spent 2020	Annual Spent 2019	Annual Spent 2018	Annual Spent 2017	Comments
Toromont Industries Ltd.		x	x	Original Equipment Manufacturer for all parts pertaining to Power Distribution Back-up Generator systems.	Sole authorized service provider for CAT branded products and parts and back-up generator systems. Service provider for the ELU Instrumentation and control system (I&C)	Sole authorized dealer for the sale of CAT branded products and parts.	\$ 10,000.00	\$ -	\$ 1,094.34	\$ -	\$ -	
Transcat Inc		x			An ISO 17025 accredited organization that is able to provide on-site calibration services on a multitude of different instruments. Standardization ensures timely and expert response to regulatory instrumentation equipment.		\$ 17,500.00	\$ 16,745.00	\$ 16,844.00	\$ 21,835.34	\$ 15,847.54	
Trojan Technologies	x			Original Equipment Manufacturer for disinfection process equipment.			\$ -	\$ -	\$ -	\$ -	\$ -	
Troy-Ontor Inc		x	x		Sole Original Equipment Manufacturer authorized service provider for Auma products in Canada.	Sole authorized distributor for Auma products in Canada.	\$ 20,000.00	\$ 18,000.00	\$ 19,431.92	\$ 29,897.00	\$ -	
UGSI Chemical Feed, Inc	x			Original Equipment Manufacturer for PolyBlend ® product line of equipment, including but not limited to pumps, mixers, drives, controllers, ORP, Stranrol Analyzers and Chemical Feed/mixing systems.			\$ -	\$ -	\$ -	\$ -	\$ -	
United Electric Controls	x			Original Equipment Manufacturer for pressure control and monitoring			\$ -	\$ -	\$ -	\$ -	\$ -	
Val-Matic	x			Original Equipment Manufacturer for valves and associated parts.			\$ -	\$ -	\$ -	\$ -	\$ -	
Varec	x			Original Equipment Manufacturer for digester equipment and associated parts.			\$ -	\$ -	\$ -	\$ -	\$ -	
Vaughan Pumps	x			Original Equipment Manufacturer for pumps and associated parts.			\$ -	\$ -	\$ -	\$ -	\$ -	
Vega	x			Original Equipment Manufacturer for process control equipment.			\$ -	\$ -	\$ -	\$ -	\$ -	
Wajax Industrial Components		x	x		Sole Original Equipment Manufacturer authorized service provider for Moyno Progressing Cavity Pumps in Ontario.	Sole authorized distributor for Moyno Progressing Cavity Pumps in Ontario.	\$ 50,000.00	\$101,000.00	\$ 23,845.51	\$325,401.64	\$ 14,323.32	
Wallace And Tiernan	x			Original Equipment Manufacturer for disinfection process equipment.			\$ -	\$ -	\$ -	\$ -	\$ -	
Westech Industrial Ltd	x	x	x	Original Equipment Manufacturer for flame arresters and associated parts. OEM provider for Westech sludge mixers and associated parts in Canada.	Sole Original Equipment Manufacturer authorized service provider for Emerson and Varec digester gas or biogas equipment in Canada.	Sole authorized sales representative for Emerson and Varec equipment for Emerson and Varec digester gas or biogas equipment in Canada.	\$ 10,000.00	\$ -	\$ -	\$ 5,013.00	\$ -	
West Tech Engineering	x	x		Sole Manufacturer of digester mixers	Sole service provider for the digester mixers		\$ -	\$ -	\$ -	\$ -	\$ -	

Vendor Name	Original Equipment	Service	Distributor	Goods	Services	Distributor	Estimated Spend 2021	Annual Spent 2020	Annual Spent 2019	Annual Spent 2018	Annual Spent 2017	Comments
Xylem Canada Company	x	x		Sole authorized distributor of Flyght branded submersible pumps and mixers, and associated parts.	Sole Original Equipment Manufacturer authorized service provider for Flyght branded submersible pumps and mixers.	Sole authorized distributor of Flyght branded submersible pumps and mixers, and associated parts.	\$300,000.00	\$330,861.00	\$293,238.49	\$452,639.62	\$302,944.69	
YSI	x			Original Equipment Manufacturer for regulatory analyzers, monitoring and control devices.			\$ -	\$ -	\$ -	\$ -	\$ -	
							\$3,470,000	2,596,979	1,844,815	3,962,370	2,477,363	

Vendor Name	Manufacturer	Service	Distributor	Goods	Services	Distributor	Estimated Spend 2021	Annual Spent 2020	Annual Spent 2019	Annual Spent 2018	Annual Spent 2017	Comments
4iMAC INC		x			Technical support for the modification and upgrade of the existing INFOR EAM Computerized Maintenance System.		\$ 70,000.00	\$ 30,138.00	\$ 69,199.20	\$ 23,078.50	\$ 33,249.75	
AECOM Canada Ltd		x			Host and responsible vendor for the National Water Wastewater Benchmarking Initiative (NWWBI) across Canada.		\$ 55,000.00	\$ 50,773.00	\$ 49,895.00	\$ 49,895.00	\$ 37,421.00	
DCM - Data Communications Management	x			Mailable toilet leak dye strip manufacturer, used for high water billing notifications. Proprietary product from DCM.			\$ 17,000.00	\$ 9,800.00				
Devine & Associates Limited			x			Equipment and services to maintain existing water distribution system anti-stagnation valve (3/4" or 1" programmable timer valve).	\$ 50,000.00	\$ 265,838.00	\$174,531.74	\$279,231.58	\$ 88,730.50	
E.H. Wachs	x	x	x	Supply of Original Equipment Manufacturer spare parts, equipment and services for ERV-750 Valve Exerciser - Automated Valve Operator, VMT2 Valve and Hydrant Maintenance Trailer, WACHS Vital (valve data collection) software system, WACHS Hydrant Cutter, and guillotine saw.	Supply of Original Equipment Manufacturer spare parts, equipment and services for ERV-750 Valve Exerciser - Automated Valve Operator, VMT2 Valve and Hydrant Maintenance Trailer, WACHS Vital (valve data collection) software system, WACHS Hydrant Cutter, and guillotine saw.	Supply of Original Equipment Manufacturer spare parts, equipment and services for ERV-750 Valve Exerciser - Automated Valve Operator, VMT2 Valve and Hydrant Maintenance Trailer, WACHS Vital (valve data collection) software system, WACHS Hydrant Cutter, and guillotine saw.	\$ 120,000.00	\$ 86,681.00	\$ 57,421.44	\$ 30,000.00	\$ 29,749.58	
Evans Utility & Municipal Products	x	x	x	Supply of Original Equipment Manufacturer spare parts, equipment and services for meter spacers of various sizes and red hed reducers, parts to assemble or create Fire Hydrant Meters (i.e. 2.5" Female Swivel by 3" MIPT Adapter), fabricated stands for Fire Hydrant Meters.	Supply of Original Equipment Manufacturer spare parts, equipment and services for meter spacers of various sizes and red hed reducers, parts to assemble or create Fire Hydrant Meters (i.e. 2.5" Female Swivel by 3" MIPT Adapter), fabricated stands for Fire Hydrant Meters.	Supply of Original Equipment Manufacturer spare parts, equipment and services for meter spacers of various sizes and red hed reducers, parts to assemble or create Fire Hydrant Meters (i.e. 2.5" Female Swivel by 3" MIPT Adapter), fabricated stands for Fire Hydrant Meters.	\$ 35,000.00	\$ 33,233.00	\$ 22,088.85	\$ 15,573.50	\$ 4,847.00	
Flowpoint Environmental Systems LP		x			Maintenance and upgrades to software which supports the City's Bulk Water Filling and Hauled Waste Stations to allow customers to create an account online and make purchases.		\$ 30,000.00	\$ 18,901.00		\$ 12,575.00		
Industrial Scientific Corporation	x	x	x	Supply of Original Equipment Manufacturer spare parts, equipment and services to maintain existing Ventis gas detectors and accessories used by Hamilton Water.	Supply of Original Equipment Manufacturer spare parts, equipment and services to maintain existing Ventis gas detectors and accessories used by Hamilton Water.	Supply of Original Equipment Manufacturer spare parts, equipment and services to maintain existing Ventis gas detectors and accessories used by Hamilton Water.	\$ 60,000.00	\$ 56,179.00	\$ 57,840.91	\$ 52,155.72		
Infor Canada Ltd.	x		x	Licensing components, software vendors and support for the existing INFOR EAM Computerized Maintenance System.		Licensing components, software vendors and support for the existing INFOR EAM Computerized Maintenance System.	\$ 500,000.00	\$ 480,054.00	\$427,642.60	\$ 43,211.00		
Kronos Inc.	x	x	x	Supply of Original Equipment Manufacturer spare parts, equipment and support services to maintain existing Kronos In Touch 9000 terminals.	Original Equipment Manufacturer spare parts, equipment and support services to maintain existing Kronos In Touch 9000 terminals.	Original Equipment Manufacturer spare parts, equipment and support services to maintain existing Kronos In Touch 9000 terminals.	\$ 40,000.00	\$ 46,632.00	\$ 25,116.98	\$ 10,000.00	\$ 30,000.00	
Lannick Contract Solutions Inc.		x			Staffing agency support for GIS and Technical development systems.		\$ 60,000.00	\$ 41,235.00				
Pipeline Repair Services Inc.		x			Specialized pipeline repair services (6" to 48" linestop installations), for the City's water distribution system.		\$ 50,000.00			\$ 56,500.00	\$ 42,120.00	
Van Essen Instruments - Canada	x	x	x	Supply of Original Equipment Manufacturer spare parts, equipment and support services to maintain existing water level and water quality dataloggers, including communication devices and cables.	Original Equipment Manufacturer spare parts, equipment and support services to maintain existing water level and water quality dataloggers, including communication devices and cables.	Original Equipment Manufacturer spare parts, equipment and support services to maintain existing water level and water quality dataloggers, including communication devices and cables.	\$ 10,000.00		\$ 24,355.50	\$ 30,000.00	\$ 11,050.11	
Voicenet Interactive Inc		x			Provision of mass outbound calling in the event of adverse water quality incidents and other water distribution and wastewater collection system notifications (e.g. Frozen Water Services, Backwater Valve Maintenance, Water Use Restrictions, etc.).		\$ 20,000.00	\$ 19,479.00		\$ 10,000.00		
							\$1,117,000.00	\$ 1,138,943.00	\$908,092.22	\$612,220.30	\$277,167.94	

Rymal Road East - Approx. 200m East of Second Rd to Upper Centennial Pkwy Municipal Act - Development Charges				
Service Cost - Sanitary Sewer Service Extension Flat Fee and One Sanitary Lateral				
Roll Number	Propert Address	Service Extension Sanitary Sewer Flat Fee 2020-2021	Sanitary Laterals (Estimate)	Estimated Cost Per Property
251800385032000	2099 Rymal Road East	\$7,945.00	\$4,745.60	\$12,690.60
251800385031600	2105 Rymal Road East	\$7,945.00	\$4,745.60	\$12,690.60
251800385031500	2109 Rymal Road East	\$7,945.00	\$4,745.60	\$12,690.60
251800385031400	2113 Rymal Road East	\$7,945.00	\$4,745.60	\$12,690.60
251800385031200	#2119 Rymal Road East	\$7,945.00	\$5,220.16	\$13,165.16
251800385031000	2129 Rymal Road East	\$7,945.00	\$4,745.60	\$12,690.60
251800385030800	2133 Rymal Road East	Excluded from cost recovery. Per current designation and zoning it is not developable.		
251800385030600	2149 Rymal Road East	\$7,945.00	\$4,745.60	\$12,690.60
251800385030400	2153 Rymal Road East	\$7,945.00		\$7,945.00
251800385030300	2155 Rymal Road East	\$7,945.00		\$7,945.00
251800385030200	2157 Rymal Road East	\$7,945.00	\$7,612.80	\$15,557.80
251800385030000	0 Rymal Road East	\$7,945.00		\$7,945.00
251800385001800	2227 Rymal Road East	\$7,945.00	\$4,745.60	\$12,690.60
251800385001000	2237 - 2241 Rymal Road East	\$7,945.00	\$4,745.60	\$12,690.60
251800385000800	2247 Rymal Road East	\$7,945.00	\$4,745.60	\$12,690.60
251800385000600	2251 Rymal Road East	\$7,945.00	\$2,966.00	\$10,911.00
251800385000590	2257 Rymal Road East	\$7,945.00	\$12,614.50	\$20,559.50
251800385000400	2273 - 2297 Rymal Road East	\$7,945.00		\$7,945.00
251800385000100	# 21 Upper Centennial Pkwy	\$7,945.00	\$12,614.50	\$20,559.50
251890113006400	2200 Rymal Road East	\$7,945.00	\$7,116.20	\$15,061.20

251890113006100	2250 Rymal Road East	\$7,945.00	\$21,973.11	\$29,918.11
251890113006095	2260 Rymal Road East	\$7,945.00	\$22,901.31	\$30,846.31
TOTAL:				\$302,573.97

NOTE:

- 1) If the property owner chooses to connect to the sewer after December 31, 2021 then the Service Extension Flat Fee shall be the rate in the year in which the property owner applies for a Permit to connect.
- 2) The estimated cost for sanitary laterals will be adjusted to reflect as constructed cost.