



The Regional Municipality of Durham

Works Committee Agenda

Wednesday, May 7, 2025, 9:30 a.m.

Regional Council Chambers

Regional Headquarters Building

605 Rossland Road East, Whitby

If this information is required in an accessible format, please contact 1-800-372-1102 ext. 2097.

Note: This meeting will be held in a hybrid meeting format with electronic and in-person participation. Committee meetings may be [viewed via live streaming](#).

	Pages
1. Roll Call	
2. Declarations of Pecuniary Interest	
3. Adoption of Minutes	
3.1 Works Committee meeting - April 2, 2025	3
4. Statutory Public Meetings	
There are no statutory public meetings	
5. Presentations	
There are no presentations	
6. Delegations	
There are no delegations	
7. Waste	
7.1 Correspondence	
7.2 Reports	
a. Report #2025-WR-3	10
Energy from Waste-Waste Management Advisory Committee	
2025 - 2026 Workplan	
8. Works	
8.1 Correspondence	
a. Certificate of Proclamation, dated March 1, 2025	18

Re: National Public Works Week (May 18 - 24)

Recommendation: Receive for Information

8.2 Reports

- | | | |
|----|---|----|
| a. | Report #2025-W-13
Sole Source Procurement of Uninterruptible Power Supply
Equipment for Traffic Control Signals throughout the Regional
Municipality of Durham | 20 |
| b. | Report #2025-W-14
Sole Source Procurement of Engineering Services for
Stevenson Road North Sanitary Sewer and Watermain
Project in the City of Oshawa | 26 |
| c. | Report #2025-W-15
Lease Renewal with 2381502 Ontario Inc., o/a "Midtown
Centre" for Space Located at 200 John Street, Unit E8 in the
City of Oshawa, for Use by the Health Department | 31 |
| d. | Report #2025-W-16
Lease Renewal with PTC Ownership LP for Space Located at
1355 Kingston Road, Unit 14A in the City of Pickering, for Use
by the Health Department | 35 |
| e. | Report #2025-W-17
Sole Source Procurement of Engineering Consulting Services
for the Corbett Creek Water Pollution Control Plant (WPCP) –
Digestion Remediation and Upgrade Works Project in the
Town of Whitby | 39 |

9. Advisory Committee Resolutions

There are no advisory committee resolutions to be considered

10. Confidential Matters

There are no confidential matters to be considered

11. Other Business

12. Date of Next Meeting

Wednesday, June 4, 2025 at 9:30 AM

13. Adjournment

Notice regarding collection, use and disclosure of personal information:

Written information (either paper or electronic) that you send to Durham Regional Council or Committees, including home address, phone numbers and email addresses, will become part of the public record. This also includes oral submissions at meetings. If you have any questions about the collection of information, please contact the Regional Clerk/Director of Legislative Services.

The Regional Municipality of Durham

MINUTES

WORKS COMMITTEE

Wednesday, April 2, 2025

A regular meeting of the Works Committee was held on Wednesday, April 2, 2025 in Council Chambers, Regional Headquarters Building, 605 Rossland Road East, Whitby, Ontario at 9:30 AM. Electronic participation was offered for this meeting.

1. Roll Call

Present: Councillor Barton, Chair
Councillor Cook*
Councillor Foster
Regional Chair Henry
Councillor Lee*
Councillor Mulcahy
Councillor Nicholson*

***denotes Councillors participating electronically**

Absent: Councillor Marimpietri, Vice-Chair

Also

Present: Councillor Crawford
Councillor Woo* attended the meeting at 9:34 AM
***denotes visiting Councillors participating electronically**

Staff

Present: R. Adamsz, Manager, Facilities Maintenance & Operations
N. Andres, Manager, Water and Wastewater Infrastructure Planning
S. Ciani, Committee Clerk, Corporate Services – Legislative Services
M. Dallaire*, Supervisor, Financial Services/Corporate Real Estate
S. Dessureault, Committee Clerk, Corporate Services – Legislative Services
D. Dunn, Director, Transportation & Field Services
A. Evans, Director of Waste Management Services
C. Goodchild*, Director of Community Growth
M. Hubble, Director of Environmental Services
R. Inacio, Systems Support Specialist, Corporate Services – IT
R. Jagannathan, Commissioner of Works
K. Smith, Committee Clerk, Corporate Services – Legislative Services
N. Taylor, Commissioner of Finance

D. Waechter, Director, Capital Projects Delivery
* **denotes staff participating electronically**

2. Declarations of Pecuniary Interest

There were no declarations of pecuniary interest.

3. Adoption of Minutes

Moved by Councillor Mulcahy, Seconded by Councillor Foster,
(27) That the minutes of the regular Works Committee meeting held on
Wednesday, March 5, 2025, be adopted.

CARRIED

4. Statutory Public Meetings

There were no statutory public meetings.

5. Presentations

There were no presentations heard.

6. Delegations

There were no delegations heard.

7. Waste

7.1 Correspondence

There were no communication items to be considered.

7.2 Reports

There were no Waste Reports to be considered.

8. Works

8.1 Correspondence

A) Certificate of Proclamation, dated February 18, 2025, re: "Dig Safe Month" (April)

Moved by Councillor Foster, Seconded by Councillor Cook,
(28) That the certificate of proclamation dated February 18, 2025, regarding
"Dig Safe Month" (April), be received for information.

CARRIED

8.2 Reports

- A) Sole Source Procurement of Engineering Services for the Implementation of the Ephyra® Technology and Post Implementation Support for Digester #2 at the Courtice Water Pollution Control Plant in the Municipality of Clarington (2025-W-7)
-

Report #2025-W-7 from R. Jagannathan, Commissioner of Works, was received.

Moved by Councillor Mulcahy, Seconded by Councillor Foster,
(29) That we recommend to Council:

- A) That staff be authorized to enter into a sole source agreement with CIMA+ Canada Inc. for engineering services for the design and construction of the Ephyra® technology as part of the proposed upgrade of Digester #2 at Courtice Water Pollution Control Plant, with an upset limit of \$2,150,000*, to be financed from within the approved project budget;
- B) That staff be authorized to enter into a sole source agreement with Royal Haskoning DHV to provide operational and process optimization support following the commissioning of the Ephyra® technology, for a period of five years, at an upset limit of \$850,000, to be financed from the approved operating budget; and
- C) That the Commissioner of Finance or designate be authorized to execute the necessary documents related to the sole source agreements.
(*) before applicable taxes

CARRIED

- B) Sole Source Procurement of Engineering Services for the Duffin Creek Water Pollution Control Plant located in the City of Pickering (2025-W-8)
-

Report #2025-W-8 from R. Jagannathan, Commissioner of Works, was received.

Moved by Councillor Mulcahy, Seconded by Councillor Foster,
(30) That we recommend to Council:

- A) That staff be authorized to award a sole source contract to Veolia Water Technologies & Solutions for the provision of engineering field services for the Incineration Equipment Inspection, Process Monitoring and On-Site Support for the Duffin Creek Water Pollution Control Plant, located in the City of Pickering, in the amount of \$300,000*, to be financed from within the approved project budget;
- B) That staff be authorized to award a sole source contract to Metro Connect International Inc. for the provision of engineering services for the Incineration Process Control Programming, Commissioning and Support for

the Duffin Creek Water Pollution Control Plant, located in the City of Pickering, in the amount of \$430,000*, to be financed from within the approved project budget; and

- C) That the Commissioner of Finance be authorized to execute the necessary agreements and associated amendments related to the sole source agreements.

(*) before applicable taxes

CARRIED

- C) Approval of Unbudgeted Capital Project and Financing to Undertake the Stage 3 Influent Pumping Station Toshiba Control System Upgrades for the Duffin Creek Water Pollution Control Plant, located in the City of Pickering ([2025-W-9](#))

Report #2025-W-9 from R. Jagannathan, Commissioner of Works, was received.

Staff responded to questions from the Committee regarding the development of a detailed Asset Management Plan in order to decrease the amount of unbudgeted capital requests coming to the Works Committee for approval; and when the Asset Management Plan would be available.

Moved by Councillor Mulcahy, Seconded by Councillor Foster,
(31) That we recommend to Council:

- A) That the unbudgeted capital project in the amount of \$90,000* for the design of the Stage 3 Influent Pumping Station Toshiba Control System Upgrades for the Duffin Creek Water Pollution Control Plant, located in the City of Pickering, be approved; and
- B) That financing in the amount of \$90,000* be provided from the following source:

2025 Sanitary Sewerage Capital Budget

Item 424: Allowance for unknown requirements

User Revenue	\$90,000*
(*) before applicable taxes	

CARRIED

- D) Sole Source Procurement of Engineering Services Support for the SCADA Division's Design Group ([2025-W-10](#))

Report #2025-W-10 from R. Jagannathan, Commissioner of Works, was received.

Moved by Councillor Mulcahy, Seconded by Councillor Foster,
(32) That we recommend to Council:

- A) That staff be authorized to negotiate and award a sole source contract to Eramosa Engineering Ltd. to provide engineering services support for the Supervisory Control and Data Acquisition Design Group for an amount not to exceed \$172,000*; to be financed from savings in the approved 2025 Water Supply and Sanitary Sewer Operating Budgets; and
- B) That the Commissioner of Finance be authorized to execute the necessary engineering services agreement.
(*) before applicable taxes

CARRIED

- E) Approval for Unbudgeted Capital Work and Financing for the Refurbishment of Four Vehicle Hoists at Durham Region Transit East Bus Repair Garage in the City of Oshawa ([2025-W-11](#))
-

Report #2025-W-11 from R. Jagannathan, Commissioner of Works, was received.

Moved by Councillor Mulcahy, Seconded by Councillor Foster,
(33) That we recommend to Council:

- A) That approval be granted for unbudgeted capital work in the amount not to exceed \$800,000 to refurbish four vehicle hoists at the Durham Region Transit East bus repair garage located in the City of Oshawa; and
- B) That financing in the amount of \$800,000 for the construction of the proposed refurbishment be provided from the following sources:

2025 Approved Transit Capital Budget

Tire-Bay Hoist Replacement (Project ID: H2515)

General Tax	\$450,000
-------------	-----------

Previously Approved Financing

2022 Transit Capital Budget

Hoist Replacement (Project ID: H2221)

Provincial Gas Tax	\$167,000
--------------------	-----------

2021 Transit Capital Budget

Bus Wash Replacement (Project ID H2102)

Provincial Gas Tax	\$30,000
--------------------	----------

2019 Transit Capital Budget

Facility Rehab Works (Project ID H1918)

General Tax	\$87,000
-------------	----------

Facility Rehab Main Shop (Project ID H1919)

General Tax	<u>\$66,000</u>
-------------	-----------------

Total Previously Approved Financing	\$350,000
-------------------------------------	-----------

Total Reallocated Financing	<u>\$800,000</u>
CARRIED	

9. Advisory Committee Resolutions

There were no advisory committee resolutions to be considered.

10. Confidential Matters

10.1 Reports

- A) Confidential Report of the Commissioner of Works – Proposed or Pending Acquisition of Land for Regional Corporation Purposes as it relates to Property in the Township of Brock (2025-W-12)

Confidential Report #2025-W-12 from R. Jagannathan, Commissioner of Works, was received.

Moved by Regional Chair Henry, Seconded by Councillor Foster,
(34) That we recommend to Council:

That the recommendations contained in Confidential Report #2025-W-12 of the Commissioner of Works be adopted.

CARRIED

11. Other Business

There was no other business to be considered.

12. Date of Next Meeting

The next regularly scheduled Works Committee meeting will be held on Wednesday, May 7, 2025 at 9:30 AM in Council Chambers, Regional Headquarters Building, 605 Rossland Road East, Whitby.

13. Adjournment

Moved by Councillor Lee, Seconded by Councillor Cook,
(35) That the meeting be adjourned.

CARRIED

The meeting adjourned at 9:43 AM

Respectfully submitted,

D. Barton, Chair

S. Ciani, Committee Clerk

If this information is required in an accessible format, please contact 1-800-372-1102 ext. 3540.



The Regional Municipality of Durham Report

To: Works Committee
From: Commissioner of Works
Report: #2025-WR-3
Date: May 7, 2025

Subject:

Energy from Waste-Waste Management Advisory Committee 2025 - 2026 Workplan

Recommendations:

That the Works Committee recommends to Regional Council:

- A) That the Energy from Waste-Waste Management Advisory Committee's 2025 – 2026 Workplan, as outlined in Attachment #1, be approved; and
 - B) That a copy of this report be forwarded to the Municipality of Clarington for information.
-

Report:

1. Purpose

- 1.1 The Energy from Waste-Waste Management Advisory Committee (EFW-WMAC) has developed a proposed 2025 – 2026 EFW-WMAC Workplan (Attachment #1) to guide EFW-WMAC activities for the remainder of 2025 and 2026. Details of the proposed Workplan are provided herein for approval by Works Committee and Regional Council.

2. Background

- 2.1 The EFW-WMAC was established pursuant to a stipulation within the Host Community Agreement between the Regional Municipality of Durham (Region)

and the Municipality of Clarington (Clarington), and in accordance with Regional Council directives.

2.2 The Terms of Reference for this committee was approved by both the Region and Clarington Councils and includes the following mandate:

- a. The EFW-WMAC will serve in an advisory capacity to the Region's Works Committee on issues or concerns related to waste diversion, waste management, environmental performance or monitoring of the EFW facility, including the construction and operational phases.
- b. The EFW-WMAC will be comprised of volunteers from Durham Region appointed by Regional Council and Clarington Council in accordance with the Terms of Reference.

3. Previous Reports and Decisions

3.1 Report [#2025-WR-1](#) recommended that five applicants selected by the Region's Works Committee be appointed for a two-year term on the EFW-WMAC. The remaining four EFW-WMAC members were appointed by Clarington. Report #2025-WR-1 was approved by Regional Council on February 26, 2025.

4. 2025 – 2026 Workplan

4.1 The purpose of the attached 2025-2026 EFW-WMAC Workplan (Workplan) is to focus on tasks that will facilitate the implementation of waste to energy and waste diversion initiatives and to provide input on innovative approaches to waste reduction.

4.2 The key elements of the Workplan align with the guiding principles endorsed by Regional Council for the development of the Long-term Waste Management Plan 2022-2040. The key elements of the EFW-WMAC Workplan are:

- a. Emphasize rethink, reduce, and reuse principles as the first steps in reducing waste generation.
- b. Deliver cost effective waste management services to a rapidly growing and diverse population.
- c. Apply innovative approaches to the Region's waste streams to manage them as resources in a Circular Economy.

4.3 The proposed Workplan identifies key tasks to be addressed during the current term, including:

- Supporting the implementation of Waste Management Division plans and programs including the Long-term Waste Management Plan, Extended Producer Responsibility programs and expanding organics diversion programs.
- Reviewing and assessing opportunities for the Region to optimize and increase diversion opportunities within Durham Region.
- Increasing understanding of key technologies employed by the Region for landfill methane mitigation, and increasing knowledge on the Durham York Energy Centre, its associated technologies and environmental performance.

4.4 The EFW-WMAC will also assume a supportive role in participating in community outreach programs aimed at enhancing awareness of waste reduction and energy from waste initiatives in Durham Region.

4.5 The EFW-WMAC will also broaden its knowledge of waste management and waste diversion technologies by reviewing presentations and engaging in discussion on Regional Waste Management strategies.

5. Relationship to Strategic Plan

5.1 This report aligns with/addresses the following Strategic Direction(s) and Pathway(s) in Durham Region's 2025-2035 Strategic Plan:

a. Environmental Sustainability and Climate Action

- E1. Reduce corporate greenhouse gas emissions to meet established targets.
- E2. Collaborate with partners on the low-carbon transition to reduce community greenhouse gas emissions across Durham Region.
- E4. Lead the transition to sustainable living through waste management, diversion, and the circular economy.

- E5. Respect the natural environment, including greenspaces, waterways, and agricultural lands.
 - b. Strong Relationships
 - S1. Enhance inclusive opportunities for community engagement and meaningful collaboration.
- 5.2 This report aligns with/addresses the following Foundation(s) in Durham Region's 2025-2035 Strategic Plan:
- a. Processes: Continuously improving processes to ensure we are responsive to community needs.
 - b. Technology: Keeping pace with technological change to ensure efficient and effective service delivery.

6. Conclusion

- 6.1 The EFW-WMAC Workplan includes tasks to support waste diversion and community education in Durham Region. These tasks are complementary to Durham Region's approved objectives of the Long-term Waste Management Plan and will support its implementation.
- 6.2 For additional information, contact: Andrew Evans, Director Waste Management Services, at 905-668-4113 extension 4102.

7. Attachments

Attachment #1: 2025 – 2026 EFW-WMAC Workplan

Respectfully submitted,

Original signed by:

Ramesh Jagannathan, MBA, M.Eng., P.Eng., PTOE
Commissioner of Works

Recommended for Presentation to Committee

Original signed by:

Elaine C. Baxter-Trahair
Chief Administrative Officer



Energy from Waste-Waste Management Advisory Committee (EFW-WMAC) Workplan (2025-2026)

1. Purpose

- 1.1. The Regional Municipality of Durham's (Region) Energy from Waste-Waste Management Advisory Committee (EFW-WMAC) requires preparation of a Workplan for the current term (2025-2026).
- 1.2. The purpose of the EFW-WMAC Workplan is to focus on tasks that will assist with waste diversion, Circular Economy initiatives and advise on innovative approaches for waste reduction.

2. Vision

- 2.1. Reduce the amount of waste created in Durham Region and manage the generated waste as a resource. Build an innovative waste-to-energy (WtE) and waste diversion system, balancing financial needs and environmental sustainability.

3. Waste Diversion Background

- 3.1. The Region and our communities provide services to over 225,000 households, 203,000 single-family households, and 22,000 multi-family households according to January 2024 records. Durham Region is one of the fastest growing regions in Canada. By 2041, Durham Region's population is expected to almost double, increasing to approximately 1.2 million people. This also means there will be a need for increased waste management services by 2041.
- 3.2. In July 2024, the Region launched an Enhanced Green Bin Program, which allows for the addition of materials, including diapers and pet waste.
- 3.3. Regional Council has also approved the investigation of the potential to establish a multi-resident organics program, which is scheduled for launch starting in June 2025.
- 3.4. Management of Greenhouse Gas (GHG) emissions from legacy closed landfills through innovative approaches is also part of the Region's Waste Management and WtE Programs. An important prior decision by Regional Council is that no new landfills will be created. This prior decision was one of the reasons for establishing the Durham York Energy Centre (DYEC).

- 3.5. Extended Producer Responsibility (EPR) is implemented via the Resource Recovery and Circular Economy Act (RRCEA), 2016 (the Act). The Act, and its regulations are in force to ensure Producers of products become more responsible for managing recycling and minimize product packaging. The Region's operations transitioned to EPR on July 1, 2024. Transition within the remainder of Ontario is ongoing through the end of 2025. Starting in 2026, Circular Materials, as the operator of the program, may make additional changes to how materials are collected and managed within the Province.
- 3.6. The Hazardous and Special Products (HSP) regulations were released in February 2021 and have been in effect since October 1, 2021. At that time, most materials managed in the existing program were transitioned to the new producer responsibility.

4. Workplan Elements

- Emphasize rethink, reduce, and reuse principles as the first steps in reducing waste generation.
- Deliver cost effective waste management services to a rapidly growing and diverse population.
- Apply innovative approaches to the Region's waste streams to manage them as resources in a Circular Economy.

5. EFW-WMAC Workplan 2025-2026

Workplan Overview

- 5.1. Given the EFW-WMAC committee resources and two-year time horizon for the Workplan, tasks are defined below:

Workplan Tasks

- 5.2. Plan and Program Implementation
- a) Waste Management Plan Implementation
 - i) Support the implementation of the first five-year action plan, provide input, ideas and track progress for the term, and assist in development of future action plans.
 - b) Extended Producer Responsibility
 - i) Provide input on programs, promotion and education

- c) Increased Organics Diversion
 - i) Assist with communication to raise awareness and educate community about organics diversion.

5.3. Diversion Program Assessment

- a) Review and assess opportunities for the Region to optimize and increase diversion opportunities within Durham Region including:
 - i) Additional waste/hazardous waste recycling efforts that may have value for the Region such as small propane bottles, batteries, spent printer cartridges and brainstorm other reuse/reduce options.
 - ii) Assess optimization of existing waste diversion programs in key growth areas and assist in optimization of existing transfer stations.
 - iii) Research diversion opportunities for other potential programs such as mattress recycling or others.
 - iv) Research opportunities for renewed communication strategies

5.4. Technology and Facility Review

- a) Landfill Management: Assist and advise on the implementation of landfill remediation technologies and strategies (mining, biocover systems, small flares).
- b) DYEC: EFW-WMAC to increase knowledge of DYEC, energy from waste and associated technologies, environmental performance.

6. EFW-WMAC Supporting Activities

- 6.1. The Committee also participates in community outreach programs that support waste reduction and energy from waste awareness and appreciation in Durham Region. Examples are in-person events, education, and outreach, combining EFW-WMAC community activities at the same time as other Regional events.
- 6.2. Expanding knowledge of waste management and waste diversion technologies and principles by reviewing presentations and engaging in discussion on Regional Waste Management Strategies.

7. Community Outreach and Stewardship (potential actions)

- 7.1. Presentation to community on some aspects of recycling, WtE, waste diversion (example: the source of microplastics and their effect on the environment, composting, organics diversion, with a requirement to notify Works staff beforehand).



**The Regional
Municipality of
Durham**

March 1, 2025

Office of the Regional Chair

605 Rossland Rd. E.
Level 5
PO Box 623
Whitby, ON L1N 6A3
Canada

905-668-7711
1-800-372-1102
john.henry@durham.ca
durham.ca

John Henry
Regional Chair and CEO

Re: “National Public Works Week”

I am pleased to present to you the enclosed certificate proclaiming May 18 - 24, 2025 as “National Public Works Week” in Durham Region.

Kindest personal regards,

A handwritten signature in blue ink, appearing to read 'John Henry', with a large, stylized flourish extending to the right.

John Henry
Regional Chair and CEO



THE REGIONAL MUNICIPALITY OF DURHAM

Certificate of Proclamation

On behalf of the Council of
The Regional Municipality of Durham,
it is my pleasure to proclaim

May 18 - 24, 2025

as

National Public Works Week

in Durham Region



A blue ink signature of John Henry, written over a horizontal line.

John Henry
Regional Chair and CEO



The Regional Municipality of Durham Report

To: Works Committee
From: Commissioner of Works
Report: #2025-W-13
Date: May 7, 2025

Subject:

Sole Source Procurement of Uninterruptible Power Supply Equipment for Traffic Control Signals throughout the Regional Municipality of Durham

Recommendations:

That the Works Committee recommends to Regional Council:

- A) That staff be authorized to award a sole source contract to Tacel Limited for the provision of Uninterruptible Power Supply (UPS) equipment for traffic control signals throughout the Regional Municipality of Durham, with terms not to exceed five years.
 - B) That financing for the sole source agreement for UPS equipment be provided from the approved 2025 Roads and Infrastructure Capital Budget and future years Business Plans and Budgets. The annual estimated cost is \$580,000, with the total cost not to exceed \$2,900,000*; and
 - C) That the Commissioner of Finance be authorized to execute the necessary sole source agreement.
-

Report:

1. Purpose

- 1.1 The purpose of this report is to seek Regional Municipality of Durham (Region) Council approval to award a sole source contract for the supply of Uninterruptible Power Supply (UPS) equipment (battery back-up systems) for traffic control signals across the Region.

- 1.2 Dollar amounts followed by asterisk (*) are before applicable taxes.

2. Background

- 2.1 On April 24, 2019, Regional Council approved [Works Committee Report #2019-W-27](#), endorsing the Vision Zero–Strategic Road Safety Action Plan for the Region. Signalized intersections were identified as the top priority, accounting for over 60 per cent of all injury and fatal collisions in the Region. The implementation of UPS systems was identified as a countermeasure to improve road safety at traffic control signals during localized power outages.
- 2.2 On September 25, 2019, Regional Council approved [Works Committee Report #2019-W-61](#), endorsing the Standardization and Approval to Award Sole Source Supply of Uninterruptible Power Supply Equipment to Tacel Limited (“Tacel”).
- 2.3 The installation of UPS systems has also been identified as an action item in the Region’s Business Continuity Plan. As a result, the Works Department developed a program to install UPS systems at all existing signalized intersections under Regional jurisdiction, based on a priority ranking system.
- 2.4 The Works Department operates and maintains traffic control signals in the Region, which are owned by various jurisdictions/agencies as listed in the chart below. UPS systems enable traffic control signals to operate normally for up to four hours and in flashing mode for up to eight hours during localized power outages. With these systems installed, traffic control signals can continue to provide right-of-way direction to all road users, enhancing safety, especially at major multi-lane and high-speed rural intersections. The Region’s goal is to equip every traffic control signal with UPS systems, subject to approved funding. The Region proposes to install approximately 38 UPS systems annually through various programs at Regional locations.

2.5 The following table identifies the quantity of UPS equipment currently installed respective to jurisdiction:

Jurisdiction	Number of Signals	Number of Signals with UPS	Percentage (%) of Signals with UPS
Region of Durham	433*	216	50
Municipality of Clarington	21	2	10
City Of Oshawa	40	6	15
Town of Whitby	42	2	5
Town of Ajax	41	2	5
City of Pickering	25	0	0
Ministry of Transportation (MTO)	60	45	75
General Motors	4	0	0
407 EDG	4	4	100
Total	670	277	41

* Include signals on Regional roads in all local area municipalities

2.6 Based on historical contract cost information, the average cost to retrofit an existing traffic control signal with a UPS system is approximately \$15,000. As part of the Region's annual maintenance, operation and capital budgeting correspondence to other jurisdictions, the Region continues to recommend similar UPS installation programs and the provision of associated funding for their respective traffic control signals.

3. Justification for Sole Source

3.1 The Alpha system, manufactured by Alpha Technologies and supplied by Tacel Limited, has been tested and approved by the Regional Infrastructure Standardization Committee (RISC) for meeting all Regional requirements for a UPS system. The Alpha system is the only system that meets all requirements as per the UPS specifications for traffic control signals. The Region has been using the Alpha UPS product since 2015.

3.2 The Alpha UPS system continues to provide the Region with a cost-effective and technically robust solution compared to other UPS industry comparators in terms of initial capital investment and ongoing maintenance. Historical maintenance data confirms the reliability of Alpha system, with system failures being extremely rare.

- 3.3 The UPS system manufactured by Alpha has been integrated into the Regional Advanced Traffic Management System to provide real-time notifications when the UPS system switches to battery power, indicating that the traffic control signal is not on regular utility power. These UPS systems provide an uninterrupted transfer from utility line to battery backup power, with no interruption to normal traffic signal operation for a predetermined run-time that typically exceeds typical power restoration times.
- 3.4 It is recommended that all the components of the Alpha UPS system, including but not limited to, the cabinet, automatic transfer switch, inverter, battery and peripheral accessories, continue to be purchased exclusively from Tadel. Combining different UPS systems would necessitate the Region to act as a system integrator, thereby transferring liability, compatibility, operability and warranty responsibilities from the vendor to the Region.
- 3.5 While other vendors offer Alpha UPS systems, Tadel is the only authorized supplier in southern Ontario for the Alpha UPS system specifically designed for traffic control signals. Competitive pricing is assured by comparison with other jurisdictions and products.

4. Financial Implications

- 4.1 Section 7.2 of the Region's Purchasing By-law #16-2020 permits the acquisition of goods and services through sole source negotiations under specific circumstances outlined in Appendix "C" of the by-law. Section 1.1 of Appendix "C" permits negotiations for goods or services that can be supplied only by a particular supplier where no reasonable alternative or substitute goods or services exist to ensure compatibility with existing goods or to maintain specialized goods that must be maintained by the manufacturer of those goods or its representative. The by-law also requires approval by the appropriate standing committee and Council for the award of sole source contracts that exceed \$100,000 in value.
- 4.2 Financing for the sole source agreement for UPS equipment, estimated at \$580,000 per annum and totalling \$2,900,000 will be provided from the annual Roads and Infrastructure Capital Budgets, subject to approval by Regional Council.

5. Previous Reports and Decisions

- 5.1 On April 24, 2019, Regional Council approved Works Committee Report [Works Committee Report #2019-W-27](#), endorsing a Vision Zero—Strategic Road Safety

Action Plan for the Region. Signalized intersections were identified as the top emphasis area of the plan accounting for over 60 per cent of all injury and fatal collisions in the Region. The implementation of UPS systems was identified as an implementation countermeasure to improve road safety at traffic control signals during localized power outages.

- 5.2 On September 25, 2019, Regional Council approved [Works Committee Report #2019-W-61](#), endorsing the Standardization and Approval to Award Sole Source Supply of Uninterruptible Power Supply Equipment to Tacel.

6. Relationship to Strategic Plan

- 6.1 This report aligns with/addresses the following Strategic Direction(s) and Pathway(s) in Durham Region's 2025-2035 Strategic Plan:

a. Connected and Vibrant Communities

- C4. Improve road safety, including the expansion and connection of active transportation networks to enhance the range of safe mobility options.

b. Environmental Sustainability and Climate Action

- E3. Prepare for and respond to severe weather impacts.

- 6.2 This report aligns with/addresses the following Foundation(s) in Durham Region's 2025-2035 Strategic Plan:

a. Processes: Continuously improving processes to ensure we are responsive to community needs.

b. Technology: Keeping pace with technological change to ensure efficient and effective service delivery.

7. Conclusion

- 7.1 It is recommended that the Regional Municipality of Durham Council approve the sole source award to Tacel Limited for the supply of UPS equipment manufactured by Alpha Technologies, for a period of up to five years.
- 7.2 This report has been reviewed by the Finance Department and the Commissioner of Finance concurs with the financial recommendations.

7.3 For additional information, please contact Steven Kemp, Manager, Traffic Engineering and Operations at 905-668-7711 ext. 4701.

Respectfully submitted,

Original signed by:

Ramesh Jagannathan, MBA, M.Eng., P.Eng., PTOE
Commissioner of Works

Recommended for Presentation to Committee

Original signed by:

Elaine C. Baxter-Trahair
Chief Administrative Officer



The Regional Municipality of Durham Report

To: Works Committee
From: Commissioner of Works
Report: #2025-W-14
Date: May 7, 2025

Subject:

Sole Source Procurement of Engineering Services for Stevenson Road North Sanitary Sewer and Watermain Project in the City of Oshawa

Recommendation:

That the Works Committee recommends to Regional Council:

- A) That staff be authorized to award a sole source contract to Gannett Fleming Canada ULC for engineering services for the detailed design of a 450-millimetre (mm) diameter trunk sanitary sewer and 300mm diameter watermain on Stevenson Road North from Taunton Road West to Conlin Road West in Oshawa, for \$310,390*, to be financed from the approved project budget; and
 - B) That the Commissioner of Finance be authorized to execute the necessary documents related to the sole source agreement.
-

Report:

1. Purpose

- 1.1 The purpose of this report is to obtain Regional Municipality of Durham (Region) Council approval to award a sole source contract for engineering services to Gannett Fleming Canada ULC (Gannett Fleming), to undertake the detailed design for the Stevenson Road North sanitary sewer and watermain project, in the City of Oshawa.

- 1.2 Dollar amounts followed by an asterisk (*) are before applicable taxes.

2. Background

- 2.1 The City of Oshawa (Oshawa) has retained Gannett Fleming to complete the detailed design for the reconstruction and urbanization of Stevenson Road North, from Taunton Road West (Regional Road 4) to Conlin Road West (see Attachment 1 - Location Map).
- 2.2 In the 2023 Development Charge Background Study, the Region has identified the need to install a sanitary sewer and watermain along Stevenson Road North, between Taunton Road West and Conlin Road West.
- 2.3 Stevenson Road North, between Taunton Road West and Conlin Road West, is located within the Northwood Business Park area, in the City of Oshawa.

3. Justification for the Sole Source

- 3.1 In March 2022, through City of Oshawa's competitive bid RFP C-2021-121, Oshawa retained Gannett Fleming to complete the Municipal Class Environmental Assessment (EA) for the reconstruction of Stevenson Road North.
- 3.2 In March 2025, Gannett Fleming was awarded the detailed design for the Stevenson Road North reconstruction through a sole source agreement with Oshawa. Subsequently, Gannett Fleming provided the Region with a quote to perform the design services for the Region's infrastructure.
- 3.3 Completing the road reconstruction design concurrently with the sanitary sewer and watermain design will allow for seamless coordination of all project elements, including preliminary and detailed design, staging, permitting requirements and stakeholder consultation within Oshawa's planned project schedule.
- 3.4 The Region and Oshawa intend to tender and construct the sanitary sewer and watermain as part of a single capital contract, which will be led by Oshawa.

4. Proposed Engineering Services

- 4.1 The proposed watermain and sanitary sewer will support future development within the Northwood Business Park along Stevenson Road North. Through regular coordination meetings, Region and Oshawa Staff have agreed that combining the road reconstruction and the installation of the watermain and sanitary sewer efforts will provide cost efficiencies, economies of scale and

mitigate the duration of construction impacts on residents and the natural environment.

- 4.2 Awarding the engineering services to different consulting firms would require the Region and Oshawa to coordinate multiple engineering services contracts and educate a new design team, resulting in additional time and resources, overlap and repetition of design processes, which would also cause operational challenges. Staff recommend sole sourcing to avoid duplication of effort.

5. Financial Implications

- 5.1 Section 7.2 of the Region's Purchasing By-law, Appendix "C" permits the sole sourcing of goods and services under specific circumstances, including where additional deliverables were not included in the initial procurement and where a change of supplier is not recommended due to compatibility/continuity concerns and cost impacts. The by-law also requires approval by the appropriate standing committee and Council for the award of sole source contracts that exceed \$100,00 in value.
- 5.2 Financing for the sole source procurement of the engineering services for the detailed design for the Stevenson Road North sanitary sewer and water main project, estimated at \$310,390* will be provided from the approved project budget (Project ID: D2416).

Water Supply Capital Budget	\$155,195
Sanitary Sewerage Capital Budget	\$155,195

6. Previous Reports and Decisions

- 6.1 There are no previous reports and/or decisions.

7. Relationship to Strategic Plan

- 7.1 This report aligns with/addresses the following Strategic Direction(s) and Pathway(s) in Durham Region's 2025-2035 Strategic Plan:

a. **Connected and Vibrant Communities**

- C1. Align Regional infrastructure and asset management with projected growth, climate impacts, and community needs.

b. Strong Relationships

- S3. Collaborate across local area municipalities, with agencies, non-profits, and community partners to deliver co-ordinated and efficient services.
- S5. Ensure accountable and transparent decision-making to serve community needs, while responsibly managing available resources.

8. Conclusion

- 8.1 It is recommended that Regional Municipality of Durham Council approve the award of a sole source contract for engineering services to Gannett Fleming for the detailed design of the Stevenson Road North sanitary sewer and watermain project, in the amount of \$310,390*.
- 8.2 This report has been reviewed by the Finance Department, and the Commissioner of Finance concurs with the recommendations.
- 8.3 For additional information, contact: Dan Waechter, Director of Capital Projects Delivery, at 905-668-4113, extension 3550.

9. Attachments

Attachment #1: Location Map

Respectfully submitted,

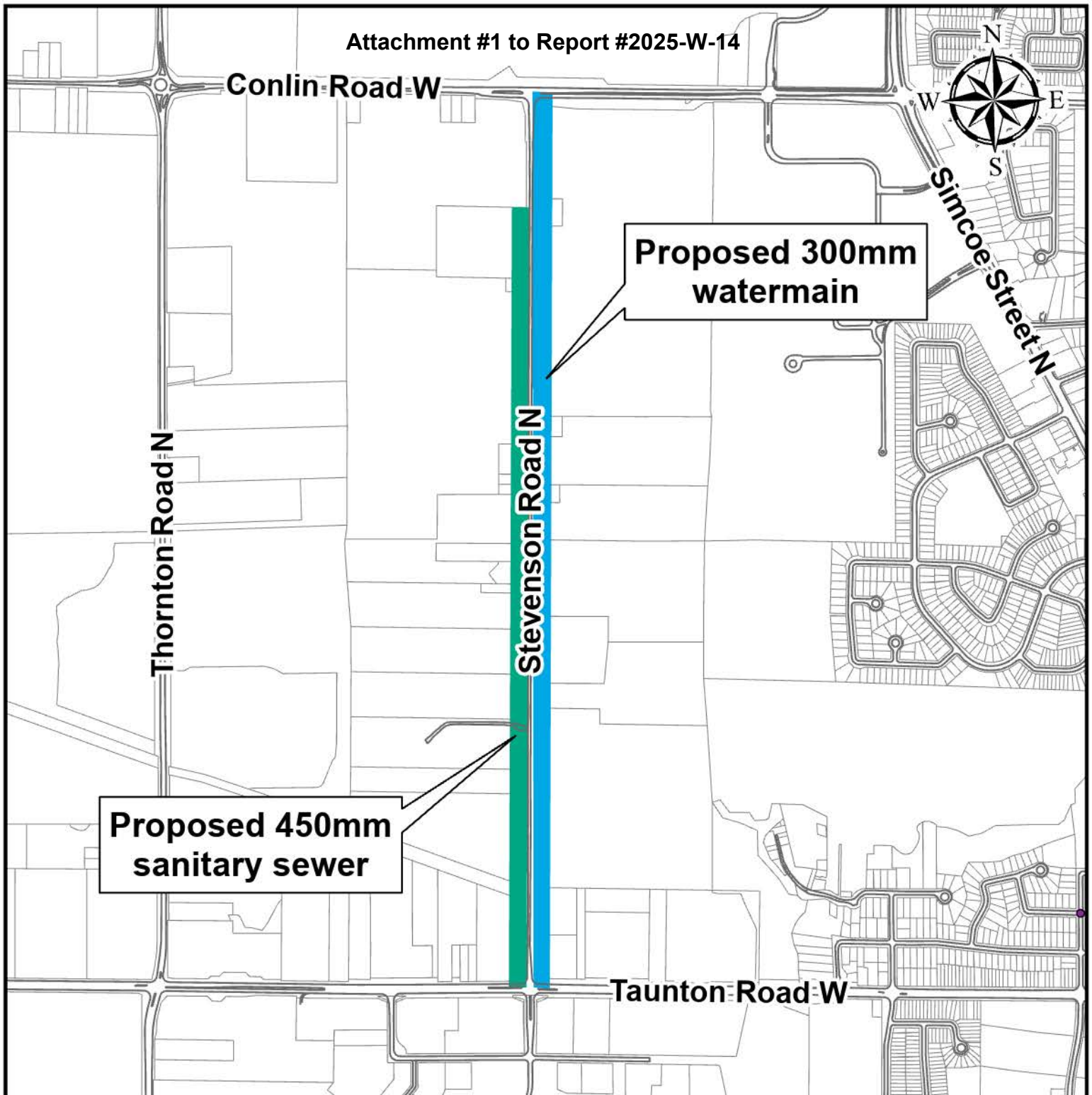
Original signed by:

Ramesh Jagannathan, MBA, M.Eng., P.Eng., PTOE
Commissioner of Works

Recommended for Presentation to Committee

Original signed by:

Elaine C. Baxter-Trahair
Chief Administrative Officer



Stevenson Road Project Conlin Road West to Taunton Road W City of Oshawa



GIS Data: Produced by Durham Region, 2025.
2024 Orthophotography provided by © First Base Solutions Inc.
© MPAC and its suppliers. All rights reserved. Not a Plan of Survey.
© Teranet Enterprises Inc. and its suppliers.
All rights reserved. Not a Plan of Survey.
This map has been produced from a variety of sources.
The Region of Durham does not make any representations concerning the accuracy, likely results, or reliability of the use of the materials.
Region hereby disclaims all representations and warranties. This data is provided to the Region of Durham for internal use only, and excludes all representations, warranties, obligations, and liabilities, whether express or implied, in relation to the information. For other uses, including spatial analysis, the respective Conservation Authority must be contacted.

-  Ownership Parcel
-  Proposed 450mm sanitary sewer
-  Proposed 300mm watermain



The Regional Municipality of Durham Report

To: Works Committee
From: Commissioner of Works
Report: #2025-W-15
Date: May 7, 2025

Subject:

Lease Renewal with 2381502 Ontario Inc., o/a "Midtown Centre" for Space Located at 200 John Street, Unit E8 in the City of Oshawa, for Use by the Health Department

Recommendations:

That the Works Committee recommends to Regional Council:

- A) That the Lease Agreement with 2381502 Ontario Inc., o/a "Midtown Centre" (the "Landlord") for the Dental Clinic located at 200 John Street, Unit E8, in the City of Oshawa, containing approximately 8,974 square feet be renewed with the following terms and conditions:
- i) The renewal term is for a period of five (5) years commencing July 1, 2025, and ending on June 30, 2030;
 - ii) The annual rent for years 1 and 2 of the lease term will be \$134,610*, payable in monthly instalments of \$11,217.50*, based on a rate of \$15* per square foot per annum. The annual rent for years 3 to 5 will be \$143,584* payable in monthly instalments of \$11,965.33*, based on a rate of \$16* per square foot per annum;
 - iii) Additional rent is estimated at \$53,126.08 per annum based on a rate of \$7.73* per square foot, payable in equal monthly instalments of \$4,427.17. This covers the operating costs for the premises, including, common area maintenance, utilities, janitorial services, and realty taxes. The amount per square foot for additional rent will be adjusted annual based on actual costs;
 - iv) The Regional will have the option to terminate the Lease after the first two years of the renewal term, with the Region providing the Landlord with nine months written notice;

- v) The Landlord remains responsible for repairs and maintenance of the building and other common areas; and
 - B) The Regional Chair and Clerk be authorized to execute all documents associated with the Lease Renewal.
-

Report:**1. Purpose**

- 1.1 The purpose of this report is to obtain Regional Municipality of Durham Council approval to renew the Lease with the Landlord for the Dental Clinic as per the terms and conditions outlined herein.
- 1.2 Dollar amounts included in this report are exclusive of applicable taxes.

2. Background

- 2.1 The Health Department is leasing space at 200 John Street, in the City of Oshawa, for the operation of a Dental Clinic. The Health Department desires to renew the current Lease for the space, which the current Lease expires on June 30, 2025.
- 2.2 Real Estate staff negotiated renewal terms for the premises with the Landlord.

3. Previous Reports and Decisions

- 3.1 The original Lease for Unit E8 was executed on May 6, 2020, for a term of five (5) years commencing July 1, 2020, and ending on June 30, 2025.

4. Terms of Renewal

- 4.1 The proposed renewal is for five (5) years, commencing July 1, 2025, and ending June 30, 2030. The Region will have the option to terminate the Lease after the first two years of the renewal term, with the Region providing the Landlord with nine months written notice.
- 4.2 The annual rent for years 1 and 2 of the lease term will be \$134,610*, payable in monthly instalments of \$11,217.50*, based on a rate of \$15* per square foot per annum. The annual rent for years 3 to 5 will be \$143,584* payable in monthly instalments of \$11,965.33*, based on a rate of \$16* per square foot per annum. The current rate is \$125,636* per annum or \$10,497.67 per month, based on a rate of \$14* per square foot per annum.

- 4.3 Additional rent is estimated at \$53,126.08 per annum based on a rate of \$7.73* per square foot, payable in equal monthly instalments of \$4,427.17. This covers the operating costs for the premises, including common area maintenance, utilities, janitorial services, and realty taxes. The amount per square foot for additional rent will be adjusted annually based on actual costs.
- 4.4 The Landlord will be responsible for the maintenance, repairs and replacement of the systems, facilities, and equipment necessary to operate the building, the parking lot and other common areas.

5. Financial Implications

- 5.1 Financing for this Lease Renewal will continue to be provided from within the Health Department's annual Business Plans and Budget for this facility.
- 5.2 Since the approval of this Lease Renewal requires a long-term financial obligation for which payment is required beyond the term for which Council was elected, the Regional Treasurer has updated the Region's financial debt obligation and obligation limit. In accordance with Section 4 of the Ontario Regulation 403/02, the Region's Treasurer has calculated an updated long-term debt/financial limit and has determined that the limit has not been exceeded. Therefore, this Lease Renewal does not require the approval of the Local Planning Appeal Tribunal.

6. Relationship to Strategic Plan

- 6.1 This report aligns with/addresses the following Strategic Direction(s) and Pathway(s) in Durham Region's 2025-2035 Strategic Plan:

A) Healthy People, Caring Communities

- H1. Implement preventive strategies to support community health, including food security.
- H3. Integrate and co-ordinate service delivery for positive life outcomes, including investments in poverty prevention, housing solutions, and homelessness supports.
- H5. Provide services for seniors and work with community partners to support aging in place.

7. Conclusion

- 7.1 The Durham Region Health Department has advised that they wish to renew the Lease for Unit E8 at 200 John Street, in the City of Oshawa for the operation of a Dental Clinic. It is recommended that the Lease Renewal be approved based on the above-noted terms and conditions.
- 7.2 This report has been reviewed by the Finance Department.
- 7.3 For additional information, please contact Christine Dunkley, Director of Corporate Infrastructure and Strategic Business Services, at 905-668-7711, extension 3475.

Respectfully submitted,

Original signed by:

Ramesh Jagannathan, MBA, M. Eng, P. Eng, PTOE
Acting Commissioner of Works

Recommended for Presentation to Committee

Original signed by:

Elaine C. Baxter-Trahair
Chief Administrative Officer



The Regional Municipality of Durham Report

To: Works Committee
From: Commissioner of Works
Report: #2025-W-16
Date: May 7, 2025

Subject:

Lease Renewal with PTC Ownership LP for Space Located at 1355 Kingston Road, Unit 14A in the City of Pickering, for Use by the Health Department

Recommendations:

That the Works Committee recommends to Regional Council:

A) That the Lease Agreement with PTC Ownership LP (the “Landlord”) for premises located at 1355 Kingston Road, Unit 14A, in the City of Pickering, containing approximately 3,584 square feet, be renewed with the following terms and conditions:

i) The renewal term is for a period of five (5) years commencing July 1, 2025, and ending on June 30, 2030;

ii) The gross rent for the term will be as follows:

Year	Term	Rate PSF*	Monthly Rent*	Annual Rent*
Year 1	July 1, 2025 – June 30, 2026	\$28	\$8,362.67	\$100,352
Year 2	July 1, 2026 – June 30, 2027	\$29	\$8,661.33	\$103,936
Year 3	July 1, 2027 – June 30, 2028	\$30	\$8,960.00	\$107,520
Year 4	July 1, 2028 – June 30, 2029	\$31	\$9,258.67	\$111,104
Year 5	July 1, 2029 – June 30, 2030	\$32	\$9,557.33	\$114,688

- iii) The Landlord will be responsible for all charges, impositions, and outlays relating to the Premises and the Building including, but not limited to, repairs, maintenance, and replacement of mechanical, electrical, and plumbing services, all utilities, realty taxes, and building and grounds maintenance; and
 - B) The Regional Chair and Clerk be authorized to execute all documents associated with the Lease Renewal.
-

Report:**1. Purpose**

- 1.1 The purpose of this report is to obtain Regional Municipality of Durham Council approval to renew the Lease with the Landlord for the Health Department programming space as per the terms and conditions outlined herein.
- 1.2 Dollar amounts followed by an asterisk (*) are exclusive of applicable taxes.

2. Background

- 2.1 The Health Department is leasing space at 1355 Kingston Road, in the City of Pickering, for the operation of a Sexual Health Clinic since July 2010. The Health Department desires to renew the current Lease for the space, which expires on June 30, 2025.
- 2.2 Real Estate staff negotiated renewal terms for the premises with the Landlord, PTC Ownership LP.

3. Previous Reports and Decisions

- 3.1 The original Lease for the facility, Unit 14A, was executed on July 1, 2010, for a term of fifteen (15) years commencing July 1, 2010, and ending on June 30, 2025.

4. Terms of Renewal

- 4.1 The proposed renewal is for five (5) years, commencing July 1, 2025, and ending June 30, 2030.

4.2 The proposed gross annual rental rates for the renewal term are as follows:

Year	Term	Rate PSF*	Monthly Rent*	Annual Rent*
Year 1	July 1, 2025 – June 30, 2026	\$28	\$8,362.67	\$100,352
Year 2	July 1, 2026 – June 30, 2027	\$29	\$8,661.33	\$103,936
Year 3	July 1, 2027 – June 30, 2028	\$30	\$8,960.00	\$107,520
Year 4	July 1, 2028 – June 30, 2029	\$31	\$9,258.67	\$111,104
Year 5	July 1, 2029 – June 30, 2030	\$32	\$9,557.33	\$114,688

4.3 The current gross rental rate for the facility is \$25.20* per square foot or \$90,316.80* per annum.

4.4 The proposed gross annual rent is inclusive of all charges, impositions, and outlays relating to the Premises and the Building including, repairs, maintenance, and replacement, of mechanical, electrical, and plumbing services, all utilities, realty taxes, and building and grounds maintenance.

4.5 The Landlord will be responsible for the maintenance, repairs and replacement of the systems, facilities, and equipment necessary to operate the building, the parking lot, and other common areas.

5. Financial Implications

5.1 Financing for this Lease Renewal will continue to be provided from within the Health Department's annual Business Plans and Budget for this facility.

5.2 Since the approval of this Lease Renewal requires a long-term financial obligation for which payment is required beyond the term for which Council was elected, the Regional Treasurer has updated the Region's financial debt obligation and obligation limit. In accordance with Section 4 of the Ontario Regulation 403/02, the Region's Treasurer has calculated an updated long-term debt/financial limit and has determined that the limit has not been exceeded. Therefore, this Lease Renewal does not require the approval of the Local Planning Appeal Tribunal.

6. Relationship to Strategic Plan

6.1 This report aligns with the following Strategic Directions and Pathways in Durham Region's 2025-2035 Strategic Plan:

A) Healthy People, Caring Communities

- H1: Implement preventive strategies to support community health
- H3: Integrate and coordinate service delivery for positive life outcomes
- H4: Support the development of healthy children and youth

7. Conclusion

7.1 The Durham Region Health Department has advised that they wish to renew the Lease for Unit 14A at 1355 Kingston Road, in the City of Pickering for the operation of a Sexual Health Clinic. It is recommended that the Lease Renewal be approved based on the above-noted terms and conditions.

7.2 This report has been reviewed by the Finance Department.

7.3 For additional information, please contact Christine Dunkley, Director of Corporate Infrastructure and Strategic Business Services, at 905-668-7711, extension 3475.

Respectfully submitted,

Original signed by:

Ramesh Jagannathan, MBA, M. Eng, P. Eng, PTOE
Commissioner of Works

Recommended for Presentation to Committee

Original signed by:

Elaine C. Baxter-Trahair
Chief Administrative Officer



The Regional Municipality of Durham Report

To: Works Committee
From: Commissioner of Works
Report: #2025-W-17
Date: May 7, 2025

Subject:

Sole Source Procurement of Engineering Consulting Services for the Corbett Creek WPCP – Digestion Remediation and Upgrade Works Project in the Town of Whitby

Recommendation:

That the Works Committee recommends to Regional Council:

- A) That Regional staff be authorized to award a sole source contract to AECOM Canada ULC (AECOM) for engineering consulting services for the design and construction administration of upgrades to the aeration and phosphorus removal systems at the Corbett Creek Water Pollution Control Plant (WPCP) for the amount of \$1,827,176*, to be financed from the approved project budget; and
 - B) That the Commissioner of Finance be authorized to execute the necessary sole source agreement.
-

Report:

1. Purpose

- 1.1 The purpose of this report is to obtain Regional Municipality of Durham (Region) Council approval to award a sole source contract to AECOM for engineering consulting services for the design and contract administration of upgrades to the aeration and phosphorus removal systems at the Corbett Creek WPCP in the Town of Whitby.
- 1.2 Dollar amounts followed by an asterisk (*) are before applicable taxes.

2. Background

- 2.1 The Region is undertaking the Digester Upgrades and Remediation Works project at the Corbett Creek WPCP in the Town of Whitby.
- 2.2 The engineering consulting services assignment for this project was originally scoped within RFP-1035-2022, which was issued for competitive bidding by the Region on June 22, 2022. Proposal submissions from three (3) Consultants were evaluated and AECOM was awarded the assignment for \$2,177,197*.
- 2.3 The scope of work for RFP-1035-2022 included a condition assessment of the existing aeration system at the Corbett Creek WPCP and the preparation of recommendations for replacement and future improvements.
- 2.4 Influent is sanitary sewage that flows into a WPCP from sanitary sewers. The Corbett Creek WPCP receives influent from catchment areas in both the City of Oshawa as well as the Town of Whitby.
- 2.5 Effluent is the treated wastewater that is discharged from a WPCP to the designated discharge outlet. The Corbett Creek WPCP discharges to Lake Ontario through a lakebed diffuser located approximately 600 metres from the shoreline of Lake Ontario.
- 2.6 Following the award of RFP-1035-2022 to AECOM, the Corbett Creek WPCP has experienced operational challenges in achieving consistent treated effluent quality being discharged to Lake Ontario, particularly regarding total suspended solids (TSS) and total phosphorus (TP). This has resulted in exceedances of the current Ministry of the Environment, Conservation and Parks (MECP) Environmental Compliance Approval (ECA) treated effluent objectives and limit concentrations. AECOM's scope of work was amended under a previous Contract amendment to include a study and analysis of the capacity of the aeration systems and to evaluate the ability of the WPCP to meet the ECA objectives and limits, considering the composition of the sanitary sewage influent arriving at the WPCP.
- 2.7 In addition to AECOM's assessment, the Region retained Blue Sky, a consultant to conduct an independent compliance study and to provide operational and capital upgrade recommendations to optimize treatment performance and improve effluent quality, ensuring the WPCP discharge complies with the parameters of the MECP ECA.

- 2.8 Both the AECOM and Blue Sky studies recommended the same upgrades to the existing aeration system and phosphorus removal system.
- 2.9 The Region identified that influent from an industrial user in the Town of Whitby would exceed the parameters as stipulated in the Region's Sewer Use By-Law for sanitary sewers, and as such a Surcharge Agreement between the Region and industrial user was negotiated and executed on January 7, 2025. The Surcharge Agreement with the industrial user includes an upset limit for a one-time payment to the Region for accelerating aeration design improvements and other site works at the Corbett Creek WPCP that will help to address current treatment deficiencies at the WPCP.

3. Justification for the Sole Source

- 3.1 AECOM has completed the condition assessment and is currently undertaking the design of digester upgrades and other remedial works at the Corbett Creek WPCP. As such, AECOM has a thorough understanding of the site as well as the operational problems that the Region is experiencing. AECOM's familiarity with the site and its specific issues positions them to complete the required design tasks efficiently.
- 3.2 Additionally, the aeration system upgrade is critical to maintaining compliance with the MECP ECA for the Corbett Creek WPCP. Delays in advancing corrective actions could result in potential orders and/or fines or other enforcement measures issued by the MECP against the Region. As these actions are time-sensitive, AECOM's continued involvement will ensure timely project implementation.

4. Proposed Engineering Services

- a. The engineering services are scoped for the following design and contract administration work: Aeration System Upgrade:
- The existing aeration blowers servicing the WPCP are to be replaced.
- b. Phosphorous Removal System Upgrades
- The existing ferrous chloride dosing system is to be replaced with either a new ferric chloride or aluminum sulphate system. During detailed design, laboratory testing of influent will be undertaken to compare the effectiveness of the dosing chemicals and to select a preferred alternative for influent treatment.

5. Financial Implications

- 5.1 Section 7.2 of the Region's Purchasing By-law, Appendix "C" permits the sole sourcing of goods and services under specific circumstances, including where additional deliverables were not included in the initial procurement and where a change of supplier is not recommended due to compatibility/continuity concerns and cost impacts. The by-law also requires approval by the appropriate standing committee and council for the award of sole source contracts that exceed \$100,00 in value.
- 5.2 Financing for the sole source procurement of the engineering services estimated at \$1,827,176* will be from the approved project budget (Project ID: D2525).
- 5.3 Staff will seek compensation of approximately \$300,000 from the industrial user under the existing Surcharge Agreement for the detailed design work that the Region is undertaking. This payment will be applied to Project ID D2525 to offset the cost of the engineering consulting services.

6. Previous Reports and Decisions

- 6.1 There are no previous reports and/or decisions.

7. Relationship to Strategic Plan

- 7.1 This report aligns with the following Strategic Direction(s) and Pathway(s) in Durham Region's 2025-2035 Strategic Plan:
- a. Connected and Vibrant Communities
 - C1. Align Regional infrastructure and asset management with projected growth, climate impacts, and community needs.
 - b. Environmental Sustainability and Climate Action
 - E5. Respect the natural environment, including greenspaces, waterways, and agricultural lands.
 - c. Strong Relationships
 - S5. Ensure accountable and transparent decision-making to serve community needs, while responsibly managing available resources.

7.2 This report aligns with/addresses the following Foundation(s) in Durham Region's 2025-2035 Strategic Plan:

- a. Technology: Keeping pace with technological change to ensure efficient and effective service delivery.

8. Conclusion

8.1 It is recommended that Regional Municipality of Durham Council approve the award of a sole source contract to AECOM Canada ULC (AECOM) for engineering consulting services for the design and construction administration of upgrades to the aeration and phosphorus removal systems at the Corbett Creek Water Pollution Control Plant (WPCP) for the amount of \$1,827,176*, to be financed from the approved project budget.

8.2 This report has been reviewed by the Finance Department and the Commissioner of Finance concurs with the recommendation.

8.3 For additional information, contact: Dan Waechter, P.Eng., Director of Capital Projects Delivery Branch, at 905-668-4113, extension 3550 and Mike Hubble, P. Eng., Director of Environmental Services at 905-668-4113 extension 3460.

Respectfully Submitted,

Original signed by:

Ramesh Jagannathan, MBA, M.Eng., P.Eng., PTOE
Commissioner of Works

Recommended for Presentation to Committee

Original signed by:

Elaine C. Baxter-Trahair
Chief Administrative Officer