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The Regional Municipality of Durham Report

To: Works Committee
From: Commissioner of Works
Report: #2025-W-21
Date: June 4, 2025

Subject:

Approval for Additional Financing for the Carruthers Creek Sanitary Sewage Pumping Station Odour Control System Upgrades Project, in the Town of Ajax

Recommendations:

That Works Committee recommends to Regional Council:

- A) That additional financing in the amount of \$2,000,000 for Odour Control Upgrades at the Carruthers Creek Sanitary Sewage Pumping Station (SSPS) located in the Town of Ajax, be approved; and
- B) That financing for the project be provided as follows:

Previously Approved Financing

2025 Sanitary Sewerage Capital Budget

Carruthers Sanitary Sewage Pumping Station - Odour Control System
Upgrades, Project ID: D2523

User Revenue	<u>\$1,000,000</u>
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Total Previously Approved Financing	<u>\$1,000,000</u>
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Additional Financing

2025 Sanitary Sewerage Capital Budget, Item #193:

Michael Blvd. Sanitary Sewerage Pumping Station - replacement of the Motor Control Centre (MCC) and pump, Whitby (Project ID: D1832)	
User Revenue	<u>\$1,800,000</u>
2025 Sanitary Sewerage Capital Budget, Item #185: Carruthers Sanitary Sewage Pumping Station - Standby Power Upgrades (Project ID: D2522)	
User Revenue	<u>\$200,000</u>
Total Additional Financing	<u>\$2,000,000</u>
Total Revised Project Financing	<u>\$3,000,000</u>

Report:**1. Purpose**

- 1.1 The purpose of this report is to obtain approval for additional financing for capital work for the Odour Control Upgrades at Carruthers Creek Sanitary Sewage Pumping Station (SSPS) in the Town of Ajax.

2. Background

- 2.1 The Regional Municipality of Durham is undertaking upgrades at the Carruthers Creek SSPS in the Town of Ajax.
- 2.2 CIMA Canada Inc. (CIMA) was retained by the Region to provide engineering services for detailed design of the upgrades.
- 2.3 During construction, it was discovered that the fan used to ventilate the wet well space for entry was not operating correctly. This fan was subsequently repaired.
- 2.4 Following repair of the fan, the Region began receiving odour complaints from residents. Odour complaints started August 14, 2024, and are ongoing.
- 2.5 A petition signed by fifteen (15) residents relating to the odour issues was also submitted to the Region on September 26, 2024.
- 2.6 The Region met with residents and committed to investigate and address the odours complaints.

- 2.7 Meetings with Ministry of Environment, Conservation and Parks (MECP) were also held on October 3, 2024, and November 15, 2024.
- 2.8 Odour monitoring and sampling was performed in October 2024. Results from the odour investigation confirmed the presence of hydrogen sulfide and odours at the perimeter of the facility.
- 2.9 Following sampling of the odours, CIMA prepared a technical memorandum to provide a review of the odour issue against available technology, and recommended a preferred solution, which identified activated carbon as the preferred technology to be implemented.
- 2.10 CIMA has recommended a construction budget of \$3,000,000, including contingency for the Odour Control Upgrade project.
- 2.11 The recommended odour control system equipment and installation will be competitively procured.
- 2.12 The Region has committed to MECP and residents that the odour control system will be implemented as soon as possible.

3. Financial Implications

- 3.1 Section 17.1 of Durham Region's Budget Management Policy states that the approval of the applicable Standing Committee and Regional Council for the reallocation of capital funding exceeding \$250,000.
- 3.2 Financing for Odour Control Upgrades at the Carruthers Creek Sanitary Sewage Pumping Station in the Town of Ajax in the amount of \$3,000,000 will be provided from the following sources:

Previously Approved Financing

2025 Sanitary Sewerage Capital Budget

Carruthers Sanitary Sewage Pumping Station - Odour Control System
Upgrades, Project ID# D2523

User Revenue	<u>\$1,000,000</u>
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Total Previously Approved Financing	<u>\$1,000,000</u>
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Additional Financing

2025 Sanitary Sewerage Budget Item #193: Michael Blvd. Sanitary Sewerage Pumping Station

- replacement of the Motor Control Centre (MCC) and pump, Whitby (Project ID: D1832)

User Revenue \$1,800,000

2025 Sanitary Sewerage Budget Item #185: Carruthers Sanitary Sewage Pumping Station

- Standby Power Upgrades (Project ID: D2522)

User Revenue \$200,000

Total Additional Financing \$2,000,000

Total Revised Project Financing **\$3,000,000**

- 3.3 Funding is available from these two deferred projects. Funding for the deferred projects will be included in the 2026 Business Plans and Budget.

4. Relationship to Strategic Plan

- 4.1 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

- C7. Create accessible, lively, and culturally welcoming public spaces, including opportunities to access nature.

b. Environmental Sustainability and Climate Action

- 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.

c. Strong Relationships

- S1. Enhance inclusive opportunities for community engagement and meaningful collaboration.
- S5. Ensure accountable and transparent decision-making to serve community needs, while responsibly managing available resources.

- 4.2 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.

5. Conclusion

- 5.1 Staff recommends that Additional Financing of \$2,000,000 for implementation of Odour Control Upgrades at the Carruthers Creek Sanitary Sewage Pumping Station (SSPS), located in the Town of Ajax, be approved.
- 5.2 This report has been reviewed by the Finance Department and the Commissioner of Finance concurs with the financial recommendations.
- 5.3 For additional information, contact Mike Hubble, Director Environmental Services, at 905-668-4113 extension 3460 or Sorin Manta, Manager, Engineering Support, at 905-668-4113 extension 3840.

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