



# Staff Report

## Operations Department

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**Report To:** Committee of the Whole  
**Meeting Date:** July 7, 2020  
**Report Number:** CSOPS.20.041  
**Subject:** Wastewater Effluent Pumps Replacement  
**Prepared by:** Allison Kershaw, Manager of Water and Wastewater Services

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### A. Recommendations

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THAT Council receive Staff Report CSOPS.20.041 entitled "Wastewater Effluent Pumps Replacement";

AND THAT Council approve the \$120,000 budget to replace the wastewater effluent pumps at the Craigleith Wastewater Treatment Plant funded by the Wastewater Asset Replacement Reserve Fund.

### B. Overview

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The replacement effluent pumps at the Craigleith Wastewater Treatment Plant (WWTP) were included in the original 2020 capital budget. This budget item was deferred until 2021, however it is necessary to replace the pumps in 2020.

### C. Background

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The Craigleith WWTP is equipped with two (2) 30 horse power open sump vertical turbine pumps. These pumps are required to pump the final effluent from the Craigleith WWTP to Georgian Bay. These pumps were originally installed in 2002.

In June of 2020, one of the pumps failed. Efforts were made to try and repair the pump however it has been determined that the pump has reached the end of its useful life. It was also noted, that the other pump is struggling to pump at its full capacity. Throughout the life of these pumps, all required preventative maintenance has been completed.

### D. Analysis

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The 2020 wastewater capital budget included the replacement of the effluent pumps at the Craigleith WWTP. These were scheduled to be replaced because they had reached the end of their useful life, however, still operational. Due to delays in approving the 2020 capital budget and the challenges with the work slow-down, this capital work was deferred to 2021.

Staff recommend that the \$120,000 wastewater capital budget for the replacement of the two effluent pumps at the Craighleith WWTP that was initially deferred, be included in the 2020 capital budget. One pump has completely failed and the other pump is not pumping at full capacity. This is a critical pump at the treatment plant and a work-around is not available.

## **E. The Blue Mountains Strategic Plan**

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- Goal #5: Ensure Our Infrastructure is Sustainable
- Objective #1 Develop a Long-Term Asset Management Plan for the Maintenance, Renewal and Replacement of Existing Infrastructure
- Objective #2 Avoid Unexpected Infrastructure Failure and Associated Costs and Liability
- Objective #3 Implement Best Practices in Sustainable Infrastructure
- Objective #4 Ensure that Infrastructure is Available to Support Development

## **F. Environmental Impacts**

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The wastewater effluent pumps are necessary for operations of the Craighleith Wastewater Treatment Plant.

## **G. Financial Impact**

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The total budget for this project is \$120,000 which is funded by the Wastewater Asset Replacement Reserve Fund.

The budget includes \$110,000 for replacement equipment and \$10,000 contingency.

## **H. In Consultation With**

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Sam Dinsmore, Deputy Treasurer and Manager of Accounting and Budgets

Shawn Carey, Director of Operations

Maurice Dempster, Wastewater Supervisor

## **I. Public Engagement**

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The topic of this Staff Report has not been subject to a Public Meeting and/or a Public Information Centre as neither a Public Meeting nor a Public Information Centre are required. Comments regarding this report should be submitted to Comments regarding this report should be submitted to Allison Kershaw, [managerwww@thebluemountains.ca](mailto:managerwww@thebluemountains.ca)

## **J. Attached**

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None

Respectfully submitted,

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Allison Kershaw  
Manager of Water and Wastewater Services

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Shawn Carey  
Director of Operations

For more information, please contact:  
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