

Municipality of Lakeshore – Report to Council

Operations

Water Management



To: Mayor & Members of Council
From: Krystal Kalbol, P. Eng., Corporate Leader - Operations
Date: December 5, 2023
Subject: North Woodslee RBC Replacement Project - Budget Overage

Recommendation

Approve the additional tender amount of \$102,625.73 (including applicable HST) for supply and install of Rotating Biological Contactor (RBC) Equipment at North Woodslee Wastewater Treatment Plant and approve the unforeseen additional expenses in the amount of \$60,593.82 (including applicable HST) for hauling, draining and cleaning the RBC Chamber; and

Approve the total amount of \$163,219.54 (including applicable HST) to be funded from the Wastewater Reserves, as presented at the December 12, 2023 Council meeting.

Background

Council approved \$510,000.00 in the 2023 Wastewater Budget for the North Woodsee RBC Replacement Shaft project. This project included the replacement of the RBC main shaft, rotor, gear boxes and bearings, media, roof, and HVAC components due to obsolete parts with potential for failure and the timing of the RBC life cycle.

OCWA, acting as our Operating Authority for Wastewater, conducted a Competitive Process to secure quotes, further, BGL Contractors Corp. submitted the lowest bid of \$612,625.73 (including applicable HST). This was secured from a total of five quotes received.

The RBC Replacement Equipment was procured in August 2023, which is presently undergoing installation, with anticipated completion by the end of December 2023. Due to the project's magnitude, further unforeseen additional costs have arisen, exceeding the approved budget without appropriate budget. These additional costs include hauling sludge from the pumping station to Denis St Pierre Wastewater Treatment Plant and draining and cleaning the RBC chamber, necessitated by a substantially high sludge level.

Comments

Administration recommends approving the budget overage for the supply and installation of RBC Equipment to BGL Contractors, given that the equipment has surpassed its life cycle and is integral to the critical processes of our Wastewater Treatment operations.

Furthermore, the Administration advises approving the additional expenses of hauling, draining, and cleaning before the installation of the equipment. This will mitigate potential future operational issues and ensure successful installation of the equipment.

Others Consulted

OCWA was consulted as part of this project.

Financial Impacts

A summary of the financial impacts has been included below:

Facility	Total Project Cost (excluding HST)	Total Project Cost (including applicable HST)	Approved Budget (2023)	Difference (over)/under
North Woodslee RBC Replacement	\$602,030.00	\$612,625.73	\$510,000.00	-\$102,625.73
Hauling sludge	\$40,928.19	\$41,648.53	Additional Costs	-\$41,648.53
Draining and cleaning RBC Chamber	\$18,617.62	\$18,945.29		-\$18,945.29
Total	\$661,575.81	\$673,219.54	\$510,000.00	-\$163,219.54

The difference in the project costs vs the approved budget in the amount of \$169,279.93 is recommended to be funded from the Wastewater reserve and will allow the project to proceed immediately towards completion.

Report Approval Details

Document Title:	North Woodslee RBC Replacement - Budget Overage.docx
Attachments:	
Final Approval Date:	Dec 7, 2023

This report and all of its attachments were approved and signed as outlined below:

Prepared by Krystal Kalbol

Approved by Justin Rousseau and Truper McBride