



REQUEST FOR DECISION

To: Mayor & Members of Council

Title: Senior Manager of Operations – Purchase Recommendation for WPCC: Turborator Aerator Impeller Replacement

Date: October 27, 2025

Motion for Consideration:

THAT: Council approve the purchase of five new Turborator Aerator Impellers from MGD Process Technology Inc., for the quoted price of \$16,000 US (\$3200 per unit) plus applicable taxes, duties and brokerage fees;

AND THAT: the City’s Purchasing Policy No. 7.13 be waived in the procurement of the new impellers to authorize the sole sourcing of same to MGD Process Technology Inc.

Background:

The City of Salmon Arm’s Water Pollution Control Center (WPCC) utilizes Turborator technology to aerate and mix the biosolids in the Auto Thermophilic Aerobic Digesters (ATAD’s) in the production of Class A biosolids. The ATAD’s currently consist of 6 cells utilizing 10 Turborators which mix and aerate the biosolids bringing the temperature in the final cells close to 70 degrees Celsius, achieving full pasteurization. Each of the Turborators utilize a patented Impeller which wears over time requiring replacement roughly every 10 years. Subsequently staff has budgeted for the purchase of 5 new replacement impellers for 2025.

MGD Process Technology holds the patent on the Turborators and impellers, and all replacement parts and materials are proprietary to the New England, USA based company.

As such staff views this as a sole source project under Policy No. 7.13 Section 3 whereby it is a non-competitive situation due to the proprietary nature of the patented Turborator Impellers. For this reason, staff recommend purchasing five new impellers from MGD Process Technology Inc. for US \$16,000 plus applicable taxes, duties and brokerage fees.

Legislative authority / plans / reports:

	Official Community Plan		Master Plan
	Community Charter/LGA		Other
	Bylaw/Policy		Corporate Strategic Plan
	Zoning Bylaw	X	2025-2029 Financial Plan

Financial Considerations:

The 2025 Capital budget for this purchase was approved at \$25,000 which is sufficient for the intended objective.

Alternatives & Implications:

The implications of individual Turborator impeller failure without replacement parts would result in compromising the ability of the ATAD's to produce Class A biosolids.

Communication: N/A

Prepared by: Senior Manager of Operations
Reviewed by: Manager of Engineering
Reviewed by: Director of Engineering & Public Works
Reviewed by: Chief Financial Officer
Approved by: Chief Administrative Officer

Attachments: N/A