



Report to Council

Report Number: REP-WS-05-2025

Subject: Limoges Booster Pumps Upgrade Project

Date of the meeting: April 28, 2025

Prepared by: Nicholas Pigeon, Director of Water and Wastewater

Circulated to and/or collaborated with: n/a

Approval: Pierre Leroux, Chief Administrative Officer

In agreement with the recommendation based on the contents of this report.

Recommendation

That Council receives this report for information purposes and acknowledge the award and upcoming construction of the Limoges Booster Pump Station upgrade project, scheduled to commence in Fall 2025.

Financial Considerations

The amount has already been included and approved in the 2025 budget under line-item N-5520-8070-7500.

Context

In 2023, the Water Department, in collaboration with the firm EXP Engineering, completed a comprehensive hydraulic modelling study of the Limoges water distribution system. This model incorporated key infrastructure data, including the specifications of the booster pumps at the Limoges water treatment plant, as well as population growth projections. The objective was to assess system performance under current and future demands, and to establish an appropriate timeline for infrastructure upgrades.

The modelling results identified that the existing booster pumps are undersized for the projected service requirements. In response, a design was developed to upgrade the system accordingly.

Report

The approved design includes:

- Replacement of the existing 7.5 HP booster pumps with new 25 HP units;
- Installation of new electrical control panels and Variable Frequency Drives (VFDs);
- Replacement of internal process piping with larger-diameter components to improve flow capacity and system efficiency.

The project was issued through the **Bids & Tenders** procurement platform in March 2025 and closed on April 8, 2025. A total of six bids were received. The contract was awarded to the successful proponent at a total value of **\$452,524.00**, significantly below the original cost estimate of **\$765,000.00**.

Construction is scheduled to commence in Fall 2025 to align with a period of reduced water demand. During the construction phase, some fluctuations in system pressure may occur. A temporary bypass system will be implemented to maintain service continuity and minimize disruptions.

Relevance to priorities

n/a

Communication Plan

The Water Department will provide advance notice to affected residents and stakeholders through the Nation's public communication platforms prior to the commencement of work.

Other Option/Options to the Recommendation

n/a

Attachments

n/a