

Committee of the Whole (2) Report

DATE: Tuesday, May 9, 2023 **WARD(S):** ALL

TITLE: EMERGENCY PURCHASE FOR NEDERMAN EXHAUST
CAPTURE SYSTEM IN FIRE MECHANICAL AREA

FROM:
Nick Spensieri, City Manager

ACTION: FOR INFORMATION

Purpose

In accordance with the City Procurement Policy PS-003, Vaughan Fire & Rescue Service (VFRS) and Facility Management are providing Council with requisite information on emergency purchase (EMP23-217) to replace an existing vehicle exhaust extraction system located at the Joint Operations Centre (JOC). This system required significant repairs thereby limiting the department's ability to service emergency vehicles and maintain a safe working environment for staff.

Report Highlights

- This system was evaluated in Q2-2022, and it was determined that a compatible replacement was required in expedited timelines to ensure continuity of operations.
- To remain compatible with existing Fire Station exhaust systems, which was mandatory due to the proprietary nature of this equipment, Nederman Canada was the specified vendor to complete this work.
- The cost was previously approved by the City Manager as an emergency purchase in July 2022 based on the urgent requirement to rectify this deficiency.

Recommendation

1. THAT this report be received for information purposes only.

Background

As part of the daily operations, the VFRS Mechanical Division repairs and diagnoses our diesel vehicles inside the building at the JOC. This includes operating the engine for an extended period. The direct capture exhaust extraction system removes vehicle emissions, while maintaining the air quality within the building. In Q2/Q3 2022, VFRS and Facilities Management staff completed evaluation and it was determined the exhaust system required replacement to meet the future vehicle requirements.

Previous Reports/Authority

None.

Analysis and Options

The existing system was evaluated by staff; it was determined that a replacement over repair strategy was required for both longevity and fiscal responsibility. As the fleet underwent enhancements with new vehicle models on the market, this exhaust system was never designed for the new vehicle exhaust temperatures and air flow capacities required to maintain a clean environment.

To remain compatible with existing fire station exhaust systems Nederman Canada was requested to review and propose a system which would meet the above noted requirements. Nederman Canada is the exclusive provider of our fire station exhaust systems.

Financial Impact

The cost for the project was \$141,274.77 has been budgeted for by Facilities Management under capital project BF-8591-17 Fire Hall (General) - Annual Capital Improvement.

Operational Impact

None.

Broader Regional Impacts/Considerations

None.

Conclusion

In accordance with the City Procurement Policy PS-003, VFRS and Facility Management is informing Council of this emergency purchase that was completed.

For more information, please contact:

Andrew Zvanitajs, Fire Chief, ext. 6301

Dave Merriman, Director, Facilities Management, ext. 8296

Prepared by

Andrew Zvanitajs, Fire Chief, ext. 6301

Dave Merriman, Director of Facilities Management, ext. 8296

Approved by

A handwritten signature in black ink, appearing to read "V. Musacchio".

Vince Musacchio

on behalf of Nick Spensieri,

City Manager