



TOWNSHIP OF NORTH HURON

REPORT

Item No.

REPORT TO: Reeve Vincent and Members of Council
PREPARED BY: David Sparling
DATE: 13/10/2016
SUBJECT: Diesel exhaust removal system for FDNH Wingham Station
ATTACHMENTS: AirVac 911 proposal

RECOMMENDATION:

THAT the Council of the Township of North Huron hereby authorize the purchase of an AirVac 911 from Air Vacuum Corporation for the exhaust removal requirements at FDNH Wingham Station at an installed purchase price of \$24,647 US Dollars (approximately \$33,000 Canadian Dollars).

EXECUTIVE SUMMARY

Three vendors submitted proposals for a diesel exhaust system for FDNH Wingham Station. The AirVac 911 system was the lowest proposed price, and the most versatile system to meet our needs.

DISCUSSION

The personal protective equipment worn by FDNH Wingham Station's personnel is stored in the apparatus bay of the building. This exposes the gear to the exhaust emissions from the fire trucks when they start in the station before responding to training or emergencies.

The vendors submitted proposals. Air Vacuum Corporation, Tin Knockers Industrial (Plymovent) and Ward Diesel Filter Systems.

Ward Diesel Filter was significantly over budget and was eliminated from further review.

The scoring matrix below was applied. Green indicating acceptable or exceeds requirements, amber indicating within acceptable range, red indicating possible concern.

	Building alterations required	Works when Blyth Station trucks are in Wingham Station	We can operate power equipment inside station	Costs if we add or change equipment	Warranty	Cost
Airvac 911	attaches to ceiling	yes	yes	no	5 years	\$24,647 US\$ (\$33,000 Cdn \$)
Plymovent	minor to building	no	extra equipment needed	possibly	5 years	\$37,615 or \$40,708 with optional equipment
Ward	attached to trucks	no	no	yes	1-year	\$36,1625.24 US\$ (\$48,000 DCN \$)

Additionally, I contacted an Ontario Fire Department using the AirVac 911 system (not a department they had provided as a reference) to discuss the system. This department had nothing but positive comments about AirVac 911.

FINANCIAL IMPACT

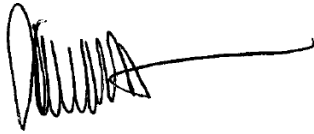
The AirVac 911 system is within the budget of \$33,000 and can be installed prior to 31 December 2016.

FUTURE CONSIDERATIONS


Annual operating costs for the AirVac 911 system are approximately \$1,500 (US\$) per year plus electricity costs.

RELATIONSHIP TO STRATEGIC PLAN

Goal 3. Ensure our community is healthy and safe.



David Sparling,
Director Fire & Emergency Services



Sharon Chambers, CAO