

Meeting Date: December 4, 2023
Department: Community Services
Report No.: CS-2023-35
Submitted by: Robert Lilbourne, Director of Community Services
Approved by: Trisha McKibbin, Chief Administrative Officer

SUBJECT: Purchase of 4 Station Protect Air Purifiers

RECOMMENDATION: THAT: Council receive report CS-2023-35 for information, and further;
THAT: Council approve the purchase of 4 Station Protect Air Purifiers from Task Force Tips (TFT) Fire Fighting Equipment for a total cost of \$26,616.00 plus HST

BACKGROUND:

On July 17th Council directed staff to conduct indoor air quality tests at the 3 fire stations located in Strathroy-Caradoc see report [Notice of Motion Councillor Derbyshire to be voted on](#).

As directed by Council, staff conducted a request for tender and at the September 5th meeting staff presented the results see report [Fire Station Indoor Air Quality \(IAQ\) - Testing Tender Award - CS-2023-21](#)

With the awarding of the IAQ Tender Award staff engaged the successful bidder EXP to conduct the following testing:

The Municipality requires two “Top 35 VOC samples” from each Fire Hall, and one Blank, for a total of 7 Samples (note: please confirm the required number of blanks with your laboratory).

- One sample will be collected in the **Administration Area** of each Station and one sample will be collected in the **Apparatus Bays** of each Station.
- Ensure that each sample is run for a minimum of 2L/min for 4 hours (note: please confirm with your laboratory).
- Include laboratory interpretation of the analytical results.

At the November 20th meeting staff presented the results and report from EXP along with a chart showing the recommendation, status and control of each recommendation made by EXP. See report [IAQ Report Strathroy-Caradoc Fire Station CS-2023-31](#)

COMMENTS:

One of the recommendations from EXP involved examining the possibility of incorporating an air purification system featuring activated carbon to enhance the removal of volatile organic compounds (VOCs) from the air. Our team has explored available options and identified a single provider. While various air purifiers are available, the selected unit is specifically designed for fire halls and their unique environments.

Incorporating these units is one step towards reducing overall VOC levels to meet Health Canada's specified trigger point. It also aims to tackle elevated concentrations of individual compounds that may exceed the Ambient Air Quality Criteria outlined by the Ministry of the Environment, Conservation, and Parks.

It is important to highlight that these units are portable and not permanently affixed, facilitating easy relocation if the need arises.

We are asking the Council to waive the purchasing policy to allow staff to sole source and purchase the Station Protect from TFT.

CONSULTATION:

Brent Smith, Director of Fire Services, Fire Chief

Trisha McKibbin, CAO

Bill Dakin, Director of Finance

FINANCIAL IMPLICATIONS:

\$26,616.00 to come from the Fire Services Reserve. The current value of the Fire Services Reserve is \$600,234.07.

STRATEGIC PLAN ALIGNMENT:

This matter is in accord with the following strategic priorities:

Local Infrastructure: Households and businesses in Strathroy-Caradoc are supported by reliable, financially responsible, and well-maintained infrastructure networks.

ATTACHMENTS: