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Date: June 22, 2020

To: Mayor and Council

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RE: New Dehumidification Unit, Kingsville Arena – Tender Results

Report No.: MS 2020-23

AIM

To seek Council approval to award the tender for the supply and install of a new dehumidification unit at Kingsville Arena.

BACKGROUND

The dehumidification system within the Kingsville Arena is approximately thirty (30) years old and is nearing the end of its useful life. It is currently functioning at a decreased capacity, therefore, has been identified as needing replacement since it has surpassed the typical service life.

The dehumidification system removes moisture from the air and brings in fresh air from outside leading to better air quality and circulation within the facility. Removing moisture from the facility will also assist with the ice making process.

The Arena has experienced high humidity levels, especially during the months of August and September, that has produced excessive condensation and moisture collections within the facility. Condensation gathers on the arena glass and roof insulation that drips down to the ice and floor surfaces that create potential safety issues for users of the facility and increased maintenance for staff.

There is increased concern and observation in the growth of mould within the facility and the potential to affect air quality negatively and therefore, the health of public users and staff. The current dehumidification system leads to moisture levels in the facility that can promote the growth of mould which is required to be removed as soon as identified to mitigate the risk.

DISCUSSION

In consultation with Energy In-hybrid Solutions, it had been determined that the dehumidification unit that would best serve Kingsville Arena is the Munters IceAire A20-1300G model. The unit and its specifications can be viewed in Appendix A. The unit will nearly triple the capacity of the existing unit supplying 7000 CFM in comparison to 2500 CFM that will reduce and control humidity to acceptable levels along with becoming more energy efficient.

The tender package seeking the supply and install of a desiccant dehumidification unit (PR-2020-02) was advertised to the public on May 13th, 2020 with a closing date of May 27th, 2020. The results (excluding HST) are as follows:

Contractor/Vendor Name	Bid
CIMCO Refrigeration	\$ 165,900.00
Black & McDonald Limited	\$ 195,450.00
SE Canada Inc.	\$ 249,950.00

CIMCO Refrigeration was able to satisfy requirements relating to experience with similar projects and insurance while providing the lowest cost proposal. As well, it has been confirmed with CIMCO Refrigeration that they are prepared to proceed with this project in accordance with the Contract Documents. Therefore, the recommendation is to proceed with this vendor.

Attached in Appendix B of this report is a copy of an agreement to be executed between the Town and CIMCO Refrigeration pending Council approval.

LINK TO STRATEGIC PLAN

Improve recreational and cultural facilities and opportunities within the Town of Kingsville.

FINANCIAL CONSIDERATIONS

\$200,000 is allocated in the 2020 Municipal Budget with respect to this project. Upon approval of this report, \$165,900 will be utilized towards the procurement of construction services through CIMCO Refrigeration. A total of \$4,972 has been expensed in 2020 with respect to a roof structural assessment.

CONSULTATIONS

Energy In-hybrid Solutions Inc.
Dillion Consulting Limited
Kingsville Municipal Services Department

RECOMMENDATION

That Council approves awarding the tender to CIMCO Refrigeration in the amount of \$165,900.00 (excluding HST), for PR-2020-02 Supply and Install Desiccant Dehumidification Unit, Kingsville Arena, and directs Administration to prepare the necessary authorizing by-law, to authorize the Mayor and Clerk to execute the agreement.

Dan Wolicki

Dan Wolicki
Manager of Municipal Facilities and Properties

G.A. Plancke

G.A. Plancke, Civil Eng. Tech (Env.)
Director of Municipal Services