



TOWN OF  
**HALTON HILLS**  
*Working Together Working for You!*

## REPORT

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**TO:** Mayor Bonnette and Members of Council

**FROM:** Johanna Amaya-Carvajal

**DATE:** January 17, 2022

**REPORT NO.:** RP-2022-0005

**SUBJECT:** Award of RFP P-115-21 for Bundled Arenas Heat Recovery and Dehumidification Renovations

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### RECOMMENDATION:

THAT Report No. RP-2022-0005 dated January 17, 2022, regarding the Award of RFP P-115-21 for Bundled Arenas Heat Recovery and Dehumidification Renovations Project be received;

AND FURTHER THAT Efficiency Engineering Inc. of 202-225 Pinebush Road, Cambridge, Ontario N1T 1B9 be awarded the Contract No. P-115-21 Bundled Arenas MMSP and AACC Heat Recovery and Dehumidification Renovations Project for a total amount of \$197,771.47 (including HST);

AND FURTHER THAT the Senior Manager of Purchasing and Risk Management be authorized to issue a purchase order to Efficiency Engineering Inc., 202-225 Pinebush Road, Cambridge, Ontario N1T 1B9 in the amount of \$197,771.47 including applicable taxes.

### KEY POINTS:

The following are key points for consideration with respect to this report:

- The contract is for the engineering services to complete design works for the first phase of the replacement of HVAC systems and renovations. This initial design work will also include integration planning to allow for future design developments in additional HVAC replacement projects as outlined in the roadmap to Net Zero Ice Rinks Pilot Study completed for the Acton Arena & Community Centre (AACC), and Mold-Masters SportsPlex (MMSP).
- The first phase of this comprehensive project involving the end of life replacement of existing HVAC systems will upgrade and transform existing

dehumidification systems with new dehumidification units and a heat recovery system for the older Townsley (AACC), Alcott and Fernbrook (MMSP) rinks.

## **BACKGROUND AND DISCUSSION:**

As part of the 2022 Capital Budget deliberation Council approved Budget Committee recommendations related to HVAC replacement projects in two (2) Town facilities - Acton Arena & Community Centre and Mold-Masters SportsPlex. Recommendations were made with regards to a scope of work related to replacement dehumidification units and the full implementation of a heat recovery system in both arenas as outlined in the 2021 Roadmap to Net Zero Ice Rinks Pilot Study. The total amount of additional funds required and approved in the capital budget for the combination of dehumidifiers and heat recovery systems for both facilities was \$2,458,000.00.

A Request for Proposal (RFP) for the Bundled Arenas MMSP & AACC Heat Recovery and Dehumidification Renovations Project was issued on November 2, 2021. The RFP was posted on the Town's website and advertised on the bids-and-tenders.ca website.

The RFP closed on Tuesday November 23, 2021. Four (4) submissions were received as follows:

- Efficiency Engineering Inc., Cambridge
- Green PI Inc., Brampton
- MAT 4Site Engineers Ltd., Toronto
- Moon-Matz Ltd., Oakville

Proposals were evaluated by an Evaluation Committee that reviewed each company's proposal against the following:

- Experience and Team Credentials
- Approach, Methodology and Value Add
- Work Schedule
- Fixed Fee

Efficiency Engineering Inc. was evaluated to be the highest scoring proposal and has met all the requirements.

## **STRATEGIC PLAN ALIGNMENT:**

This report is administrative in nature and does not have an impact on the Town's Strategic Plan.

**RELATIONSHIP TO CLIMATE CHANGE:**

This report impacts and/or helps address climate change and the Town's Net Zero target through corporate energy savings.

These projects were approved as part of Report No. ADMIN-2021-0040 - Net Zero Ice Rink Feasibility Study – Recommended Capital Projects.

The new dehumidification units will possess technology and controls that will allow the units to operate with significantly greater energy efficiency than the existing units. Additionally, the new units will draw significant quantities of their operating energy requirements from heat recovery and will not be required to employ gas burners in the future, thereby reducing the GHG emissions generated by the facility operations and allowing for the Town to provide services while minimizing and reducing its impact on climate change. The heat recovery is a bi-product derived from the refrigeration operations that are the core of the arena operations. This recovered heat will also be used for future space heating and ventilation replacement projects that will be required for other equipment scheduled to be replaced in subsequent years.

**PUBLIC ENGAGEMENT:**

Public Engagement was not needed as this report is administrative in nature.

**INTERNAL CONSULTATION:**

Staff worked in conjunction with Town Purchasing staff from the Corporate Services Department and agree with this recommendation.

The Senior Manager of Purchasing & Risk Management agrees with this recommendation.

**FINANCIAL IMPLICATIONS:**

This report will be funded through an existing approved budget source.

Reviewed and approved by,

Simone Gourlay, Manager of Purchasing and Risk Management

Stephen Hamilton, Manager of Facility Capital Projects

Moya Jane Leighton, Director of Finance & Town Treasurer

Samantha Howard, Acting Commissioner of Recreation & Parks

Chris Mills, Chief Administrative Officer