



## TOWNSHIP OF NORTH HURON

## REPORT

Item No.

**REPORT TO:** Reeve Vincent and Members of Council  
**PREPARED BY:** Pat Newson, Director of Recreation and Facilities  
**DATE:** 04/07/2017  
**SUBJECT:** Aquatic Centre HVAC Upgrades  
**ATTACHMENTS:** Quotes from Cliff's Plumbing and Heating

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### **RECOMMENDATION:**

THAT the Council of the Township of North Huron hereby approve the proposed work by Cliff's Plumbing & Heating for the Aquatic Centre HVAC Upgrades for the total cost of \$79,140.00;

AND FURTHER THAT the Council of the Township of North Huron approves an exception to Section 19.1 of the Procedural By-Law to allow By-Law 60-2017 to be passed at the July 4, 2017 Council Meeting.

### **EXECUTIVE SUMMARY**

At the June 5, 2017 Council meeting, staff were directed to use the negotiated method with Cliff's Plumbing and Heating to solve issues with the HVAC equipment at the Aquatic Centre. The recommended proposal from Cliff's is the result of those negotiations and are presented here in this report.

### **DISCUSSION**

The Aquatic Centre is undergoing a renovation from July 29 to October 10, 2017. It has been documented in past reports that the consultant Allan Avis Architects believes that the HVAC issues in the aquatic centre are creating a humidity infiltration problem in other areas of the building. To solve this staff have worked with Allan Avis Architects and Chorley + Bisset Consulting Engineers to come up with a plan to restore the negative pressure in the Aquatic Centre, and improve the humidity and air flow and temperature in the Aquatic Centre.

Cliff's Plumbing and Heating have provided three quotations of work which make up the entire project. The work will be completed during the aquatic centre renovation shutdown (July 29-Oct 10).

Included in the work is the installation of new aluminum hanger rods and rings for the ducts in the aquatic centre, upgrade the operating controls for the Dectron, installing two new boilers, balancing the Dectron and Air Flor, and removal of supply and return air grills and diffusers for cleaning.

A contract memorandum is included in the by-law section of the report for Council's authorization to proceed with this work.

### **FINANCIAL IMPACT**

This part of the Aquatic Centre renovation is utilizing two sources of funding in the 2017 Capital Project budgets. The total cost of all these items is \$79,140.00.

### Boiler Replacement

Replacement of the Boilers is part of the \$426,697.00 budget allocated for the Aquatic Centre Renovation Project.

Project Budget	\$426,697.00
Spent to date	\$ 14,345.36
Acapulco Project	\$304,217.30 (contingency included)
Boiler Replacement	\$ 36,790.00
Project Subtotal	\$355,352.66
Balance	\$71,344.34

### Humidity Infiltration Project

The total project budget in the 2017 budget is	\$97,255.00
Spent to date on consulting is	\$ 3,617.17
Proposed project expense is	\$42,350.00
Balance	\$51,287.83

Additional expenses include rental of the Genie lift by North Huron, use of North Huron staff labour to clean the duct, and some additional consulting by the engineer on the project to oversee installation.

### **FUTURE CONSIDERATIONS**

The work will be completed before the cold weather. In the fall and winter is when the humidity infiltration problem is evident, and this will be monitored over the 2017/18 winter to see if the humidity problem has been resolved.

### **RELATIONSHIP TO STRATEGIC PLAN**

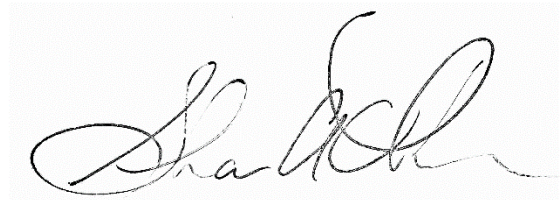
Our community is healthy and safe.

Our community is attractive and welcoming to new businesses and residents.



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Pat Newson, Director of Recreation and Facilities



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Sharon Chambers, CAO