



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: 05/06/2017
SUBJECT: Blyth Community Centre Arena Lights
ATTACHMENTS:

RECOMMENDATION:

THAT the Council of the Township of North Huron hereby approve the purchase and installation of the new LED lighting for the Blyth Arena from Sepoy Wiring Ltd. for the contract price of \$26,084.00 and the estimated rebate of \$4,000.

EXECUTIVE SUMMARY

Replacing the lighting at the Blyth Arena is a Capital Project approved in the 2017 North Huron Council Budget. Staff are making a recommendation for purchase.

DISCUSSION

Replacement lighting for the Blyth Arena was approved in the 2017 budget. Request for quotations were sent to local vendors that could perform the work. Three quotations were received:

Two equivalent quotations were received from RC Electric and Sepoy Wiring Ltd.

Sepoy Wiring	\$26,084.00 (no HST)	Recommended choice
RC Electric	\$26,562 (no HST)	
Eco Precision Lighting	\$25,290 (no HST)	Not firm quote on labour Not individual diming

The price from Eco-Precision Lighting was eliminated from the selection because the diming capabilities of this were by banks of lights, rather than by individual lights which is the preference. Additionally, the labour costs were an estimate and not firm with the quotation.

The project will proceed over the summer while the ice is out. The timing would be planned so as not to interfere with other activities on the arena dry pad floor.

The project is of benefit to the facility because it will reduce the energy costs for the facility. In a report provided by LAS in 2015 there is an estimated decrease in electrical consumption of 35% and an 80% decrease in annual maintenance. The overall expenditure savings is estimated to decrease by 48%. This light replacement project was on hold until it was time to replace the Metal Halide bulbs. The current 350W Metal Halide fixtures are due to have the bulbs replaced in 2017. If the project does not proceed, the bulbs would need to be replaced at an estimated cost of \$4,000. Not replacing the bulbs is a health and safety issue because the Foot Candle (FC) at ice surface is not sufficient for safety for hockey.

The light fixture supplier for all the contractors is Ideal Supply. They have estimated that the rebate for the project will be approximately \$4,000 through the Save On Energy. The total project cost will be reduced by this rebate.

FINANCIAL IMPACT

Project Budget: \$25,000

From Reserves (\$14,668)

2017 budget funds (\$10,332)

Total Project Cost: \$26,084

Anticipated rebate: \$ 4,000

Project Cost after rebate: \$22,084

From LAS report	Current lights	New LED lights
Annual Consumption	29,578 kWh	19,274 kWh
Annual Expenditure (based on 2015 rates)	\$4,732	\$3,084
Annual Maintenance	\$2,000	\$400
Demand	15.8 kW	10.39 kW

From LAS Report:

10-year annual operational cost savings \$42,934

FUTURE CONSIDERATIONS

Unfortunately, staff cannot measure the direct savings on the lighting because there is only one meter into the building, each area is not individually monitored, however savings over time are expected based on savings on lower demand, reduced energy consumption, and reduced maintenance. Payback is estimated at 6.5 years.

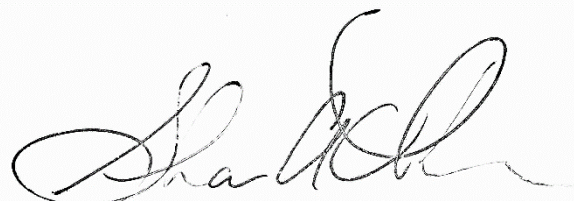
RELATIONSHIP TO STRATEGIC PLAN

Our community is healthy and safe.

Our administration is fiscally responsible and strives for operational excellence.



Pat Newson, Director of Recreation and Facilities



Sharon Chambers, CAO