

Report to Council

Report Title: Walkerton Community Centre Light Conversion to LED
Prepared By: Trish Serratore, Chief Financial Officer/Acting Director of Community Services
Department: Recreation
Date: July 11, 2023
Report Number: REC2023-26 **File Number:** C11REC, R05WA

Attachments:

Recommendation:

That the Council of the Municipality of Brockton hereby receives Report REC2023-26 - Walkerton Community Centre Light Conversion to LED, prepared by Trish Serratore, Chief Financial Officer/Acting Director of Community Services and in doing so approves staff proceeding with the replacement of the community centre light conversion to LED and funded by capital savings outlined in the report.

Report:

Background:

In 2011, the metal halide lights on the ice rink surface at the Walkerton Community Centre were replaced with 36 T5 32-watt light fixtures. Since that time an electrician has been hired in the summer on a yearly basis to replace light bulbs, worn out ballasts, and lamp sockets. In the Spring of 2023, the electrician discovered that the light fixtures are warped from extreme temperature changes and the lamp sockets are pulling away from the fixture causing lights to not work properly or in some cases not work at all. Additionally, parts required to repair the current lights are very expensive, time consuming for an electrician to install and some parts are a challenge to even find.

Analysis:

Staff evaluated all options available to fix the aging lights at the arena. Staff determined that the best solution is to replace all thirty-six (36) T5 32-watt light fixtures with new 48,000 lumen LED light fixtures with a dimmable switch.

Replacement of the T5 lighting with LED has many benefits to the operation of the ice rink. The LED light fixtures do not emit as much heat as T5 light fixtures which in turn lowers the energy costs of maintaining the ice temperature. Changing the light fixtures will realize an energy savings of 8,124 kWh and an operational savings of \$475 yearly. Incorporating a dimmable switch will give staff greater control over lighting levels within the ice surface ensuring all programs have adequate lighting. Staff have looked into various grant saving

opportunities available with the conversion to LED lighting, including the Save on Energy Retrofit Program. Once Council approves proceeding with the conversion of the lighting project, staff will begin the application form with Save on Energy.

Staff have received the following three quotes for the replacement of the lighting, not including HST:

Vendor	Quote
Cheetah Electric	\$34,085
Koebel Electric	\$36,309
Willies Electric	\$41,200

This project was not included in the 2023 Capital Budget; however, staff have realized savings from other approved 2023 capital projects, including the Walkerton Arena Refrigeration System Repairs which was budgeted for \$75,000 and total project came in under budget, total savings of \$26,800 which was funded by the Recreation Reserve Fund. In addition, staff have come under budget in the replacement of the picnic tables, with a total savings of \$5,200. Between these two projects total savings is approximately \$32,000.

In order to generate short- and long-term operational savings, improve the user experience, and generally ensure the long-term viability of the municipal arena, focus on asset management is required – including general maintenance and updates to the aging infrastructure, staff recommend replacement of the current T5 light fixtures to the LED light fixtures with a dimmable switch and request Councils approval to proceed with the quote received by Cheetah Electric and fund the project from the Recreation Reserve Fund. As well as approval to proceed with the application with Save on Energy for additional funding opportunity.

Strategic Action Plan Checklist:

What aspect of the Brockton Strategic Action Plan does the content/recommendations in this report help advance?

- Recommendations help move the Municipality closer to its Vision N/A
- Recommendations contribute to achieving Heritage, Culture, and Community N/A
- Recommendations contribute to achieving Quality of Life Yes
- Recommendations contribute to achieving Land Use Planning and the Natural Environment N/A
- Recommendations contribute to achieving Economic Development N/A
- Recommendations contribute to achieving Municipal Governance N/A

Financial Impacts/Source of Funding:

- Do the recommendations represent a sound financial investment from a sustainability perspective? Yes

The conversation of the lighting was not included in the 2023 budget, however there is a total saving from other approved capital projects of \$32,000. Staff recommend reallocating the funding to the light conversation, which will also provide additional annual operational cost savings.

Respectfully Submitted by:



Trish Serratore, Chief Financial Officer/Acting Director of Community Services

Reviewed By:



Sonya Watson, Chief Administrative Officer