



America, 23 of those located in Ontario. With the operation of *REALice*, EGI estimates an annual energy savings of approximately \$34,000 (23% natural gas savings, 10% electricity savings), making the payback period just over 12 months.

## **DISCUSSION:**

Elexicon's April 2023 Energy Savings Report (attached, page 4) looks at the arena's gas and electricity consumption since the installation of *REALice* last Fall and has calculated a total savings of \$24,460 from October 2022 – April 2023 (7 months, excluding January data due to 2022 COVID impact). The total energy savings for the month of April 2023 alone, shown on page 4, is \$4,328. This level of savings is on track, if not better, for Elexicon's annual estimated savings for our facility. The actual cost of the *REALice* supply and installation was \$45,000, making the return on investment just over 12 months.

Not only will this savings be reflected in our operating budget, but it will also assist with our Capital investments. The twin pad facility currently has three (3) refrigeration compressors, which now require less daily usage and draw, therefore adding to the lifetime use of the mechanical equipment. The report on page 2 shows the before and after usage in kWh for the three (3) compressors.

## **ALIGNMENT TO STRATEGIC PRIORITIES:**

- 5.1.2 - Community Well-Being
  - Seek means to reduce our carbon footprint and find energy efficiencies.
- 5.3.7 - Community Well-Being
  - Maintain and plan for future investments in civic infrastructure.
- 5.5.6 - Community Well-Being
  - Identify opportunities to enhance community facilities.

## **RECOMMENDATION**

THAT Report PR-12/23 of Amanda Ferraro, Director of Community Services and Hunter Gardner, Arena and Recreation Manager be received for information;

Respectfully Submitted by:

Amanda Ferraro, Director of Community Services  
and Hunter Gardner, Arena and Recreation Manager