



**CITY OF NOVI CITY COUNCIL
JANUARY 23, 2023**

SUBJECT: Approval to award Great Lakes Power and Lighting the Civic Center LED lighting retrofit project in the amount of \$65,594.16.

SUBMITTING DEPARTMENT: Integrated Solutions, Facilities Management

EXPENDITURE REQUIRED	\$ 65,594.16
AMOUNT BUDGETED	\$ 66,000
APPROPRIATION REQUIRED	\$ 0
LINE ITEM NUMBER	101-265.00-976.086

BACKGROUND INFORMATION:

The current fluorescent lighting fixtures in the Civic Center include 560 units in offices, workspaces, stairwells, and conference rooms. These fluorescent fixtures are not energy efficient and often burn out, requiring continuous replacements and increased costs.

This retrofitting project would replace the existing fluorescent bulbs with updated LED bulbs in all 560 fixtures; with project costs includes wiring, bulbs, conduit, fittings, and labor. The operational impact would be a reduction in electricity usage, increased efficiency, and improved longevity resulting in overall lower utility costs.

Estimated operating savings from converting to LED is \$5,204.44 per 100 fixtures annually and estimated energy savings is 47,304 kWh per 100 fixtures annually. Overall, switching to LED lighting will reduce energy usage at the Civic Center by 25%-35% on average and upwards of 75% energy costs savings over 25 years, depending on rates and usage.

Fluorescent Operation (100 fixtures w/2 tubes per fixture)
Annual Energy Consumption: 75,336 kWh
Annual Operating Costs: \$8,286.96

LED Operation (100 fixtures w/2 tubes per fixture)

Annual Energy Consumption: 28,032 kWh

Annual Operating Costs: \$3,082.52

RECOMMENDED ACTION: Approval to award Great Lakes Power and Lighting the Civic Center LED lighting retro fit project in the amount of \$65,594.16.



N 42° 43' 39" ♦ W 82° 41' 81"

Quotation

Date: January 4, 2023

To: City of Novi

Attn. Marcus

Project: Lighting retro fit at the Civic center

In accordance with your request we are pleased to quote the electrical installation required for the above referenced project as follows:

- 18 retro trims included
- 1140 4' Led tubes included
- 28 3' LED tubes included
- 183 2' tubes included
- 30 U LED tube lighting included
- 12 2x2 flat panel lights included
- 6 stair lights included
- 30 new sconces included
- All wire, fittings, and conduit included

Total Price \$65,594.16

Thank you for the opportunity. If you require additional information please do not hesitate to contact me.

Sincerely,
Alan Thueme
Purchasing agent
Great Lakes Power & Lighting, Inc.
E-mail: athueme@greatlakespwr.com
Cell Ph: 586-855-0960