



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.