

2024 Streetlighting LED Program

OPS 24001

**AS PART OF THE TAY TOWNSHIP
2024 CAPITAL BUDGET**



OPERATIONAL SERVICES





Project Summary

Tay Township is undertaking a significant initiative to improve street lighting by replacing **140 streetlights** with LED bulbs across various locations within the township. Here's an overview of the project:

Project Overview:

- **Total Streetlights to be Replaced:** 140 streetlights will be upgraded to LED bulbs in various areas throughout the township.

Benefits of LED Streetlights:

- **Energy Savings:** LED bulbs are highly energy-efficient compared to traditional lighting options. They consume significantly less electricity, leading to lower energy costs for the township over time.
- **Reduced Maintenance Costs:** LED streetlights have a longer lifespan than conventional bulbs, reducing the frequency of replacements and maintenance. This will result in lower overall maintenance costs for the township.
- **Reduction in Light Pollution:** LED lights are more focused and can be designed to minimize light spillover, reducing light pollution. This helps improve the quality of life for residents by reducing unnecessary light exposure at night.
- **Environmental Impact:** By reducing energy consumption and the frequency of bulb replacements, LED streetlights contribute to lowering the township's carbon footprint and promoting more sustainable practices.



Goals of the Project:

- **Cost Efficiency:** By shifting to LED lighting, Tay Township aims to achieve long-term savings on energy bills and maintenance costs.
- **Sustainability:** This project aligns with broader environmental goals by decreasing energy usage and minimizing the impact of streetlights on the natural environment.
- **Enhanced Public Safety:** LED streetlights provide better quality illumination, improving visibility on the roads and contributing to safer driving and walking conditions at night.

This upgrade is a positive step toward both economic and environmental sustainability, benefitting the township and its residents in the long term.

BUDGET SUMMARY

- 2024 Capital Budget Cost: \$60,000
- 2024 Actual Year to Date Cost: \$24,284
- *Carry forward the remaining amount to complete in 2025.*

2024 Streetlighting Program Cost Breakdown

- Streetlights
- Electrical
- LED Bulbs

TOTAL

\$24,284