

LED Streetlight Conversion

Overview

Department Public Works

Project Number TA22

Description

This citywide multi-site project provides for the replacement of all city-owned and maintained high pressure sodium (HPS) streetlights (approximately 3,200) with more energy efficient, light-emitting diode (LED) luminaires in three phases. Phase 1 includes approximately 2,000 standard light types, and Phases 2 and 3 each include approximately 600 decorative light types. Conversion of city streetlights to LED is action M-02 of the Climate Action Plan.

Images



Colonial-style LED streetlight

Details

Guiding Principle: Stewardship of the Environment and Infrastructure

Mandate/Plan: Action Plan; Vision Zero Action Plan

Anticipated Project Outcome: Safer streets and smarter, more energy efficient lighting.

Changes from Previous Year: Project completion moved to FY 2027 to complete Phase 3 conversions.

Project Manager: Andrew Luetkemeier, Transportation Engineering Supervisor, 240-314-8524.

Notes: This project first appeared in the FY 2022 CIP. FY 2027 work includes Phase 3 completion. Just under \$1.1 million in Maryland Energy Administration grant funding and Pepco EmpowerMD rebate funding is included in this project. Planned OCI includes an anticipated reduction in electricity costs starting in FY 2028.

Capital Cost

FY2027 Budget

\$0

Total Budget (all years)

\$0

Project Total (to date)

\$3.81M

Detailed Breakdown

Category	Historical Budgeted	FY2027 Requested	FY2028 Requested	FY2029 Requested	FY2030 Requested	FY2031 Requested	Future Budgeted	Total
Construction (Capital Projects Fund)	\$3,805,200	\$0	\$0	\$0	\$0	\$0	\$0	\$3,805,200
Total	\$3,805,200	\$0	\$0	\$0	\$0	\$0	\$0	\$3,805,200

Funding Sources

FY2027 Budget

\$0

Total Budget (all years)

\$0

Project Total (to date)

\$3.81M

Detailed Breakdown

Category	Historical Budgeted	FY2027 Requested	FY2028 Requested	FY2029 Requested	FY2030 Requested	FY2031 Requested	Future Budgeted	Total
Grant (Capital Projects Fund)	\$1,079,825	\$0	\$0	\$0	\$0	\$0	\$0	\$1,079,825
PayGo (Capital Projects Fund)	\$2,725,375	\$0	\$0	\$0	\$0	\$0	\$0	\$2,725,375
Total	\$3,805,200	\$0	\$0	\$0	\$0	\$0	\$0	\$3,805,200

Project Timeline

- **07/1/2023**
Construction Start (FY 2024)
- **07/1/2026**
Construction Completion (FY 2027)