



## LED Streetlight Conversion (TA22)



**Description:** This 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.

**Changes from Previous Year:** \$50,000 was added during FY 2024 to fund the award of Phase 2. Additionally, the unfunded portion of this project was funded, and the total project cost increased based on most recent bid pricing.

### Current Project Appropriations

Prior Appropriations:	2,150,000
Less Expended as of 4/15/24:	502,395
<b>Total Carryover:</b>	<b>1,647,605</b>
New Funding:	1,400,000
<b>Total FY 2025 Appropriations:</b>	<b>3,047,605</b>

**Guiding Principle:** Stewardship of the Env. and Infrastructure

**Mandate/Plan:** Climate Action Plan; Vision Zero Action Plan

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

**Project Timeline and Total Cost by Type:** The city was awarded a grant, which reduced Capital Projects Fund appropriations. Funding increased due to construction market conditions reflecting Phase 1 bid pricing, as well as funding the previously unfunded Phase 3.

Type	Estimated Start		Estimated Completion		Estimated Cost			
	Original	Current	Original	Current	Original	Current	\$ Change	% Change
Planning / Design	-	-	-	-	-	-	-	-
Construction	FY 2023	FY 2023	FY 2025	FY 2025	1,000,000	3,550,000	2,550,000	255%
Other	-	-	-	-	-	-	-	-
<b>Project Total (\$):</b>					<b>1,000,000</b>	<b>3,550,000</b>	<b>2,550,000</b>	<b>255%</b>

**Project Funding:** This project is fully funded, and includes MEA grant funding as well as funding anticipated through the Pepco EmpowerMD rebate program.

Source	Prior	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Future	Total
Paygo (Cap)	1,400,375	1,325,000	-	-	-	-	-	2,725,375
Grants (Cap)	749,625	75,000	-	-	-	-	-	824,625
<b>Total Funded (\$)</b>	<b>2,150,000</b>	<b>1,400,000</b>	-	-	-	-	-	<b>3,550,000</b>
Unfunded (Cap)	-	-	-	-	-	-	-	-
<b>Total w/Unfunded (\$)</b>	<b>2,150,000</b>	<b>1,400,000</b>	-	-	-	-	-	<b>3,550,000</b>

**Operating Cost Impact:** Operating cost reduction in streetlight electricity.

Fund	Prior	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Future	Total
General	-	-	(130,000)	(30,000)	-	-	-	(160,000)

**Project Manager:** Andrew Luetkemeier, Principal Transportation Engineer, 240-314-8524.

**Notes:** This project first appeared in the FY 2022 CIP. FY 2025 work includes the completion of Phase 2 and Phase 3 (decorative fixtures). The city anticipates receiving rebates through the Pepco EmPowerMD incentive program, as funding from the program allows, and will continue to seek other grants from MEA or other sources.