



County Fleet Electric Vehicle Charging Stations

(P362505)

Category	General Government	Date Last Modified	03/09/24
SubCategory	Fleet Management	Administering Agency	General Services
Planning Area	Countywide	Status	Preliminary Design Stage

EXPENDITURE SCHEDULE (\$000s)

Cost Elements	Total	Thru FY23	Est FY24	Total 6 Years	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	Beyond 6 Years
Construction	750	-	-	750	750	-	-	-	-	-	-
TOTAL EXPENDITURES	750	-	-	750	750	-	-	-	-	-	-

FUNDING SCHEDULE (\$000s)

Funding Source	Total	Thru FY23	Est FY24	Total 6 Years	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	Beyond 6 Years
Current Revenue: General	750	-	-	750	750	-	-	-	-	-	-
TOTAL FUNDING SOURCES	750	-	-	750	750	-	-	-	-	-	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 25 Approp. Request	750	Year First Appropriation	
Appropriation FY 26 Approp. Request	-	Last FY's Cost Estimate	-
Cumulative Appropriation	-		
Expenditure / Encumbrances	-		
Unencumbered Balance	-		

PROJECT DESCRIPTION

This project provides for the purchase and installation of electric vehicle (EV) charging stations and associated infrastructure improvements at county facilities. EVs in the county fleet have electric motors powered by rechargeable batteries, with most EVs able to travel over 200 miles on a charge.

Level II EV charging adds twenty to thirty miles of driving range per hour of charging. Level III DC fast charging can charge a vehicle to 80% in as little as 20 minutes.

Electric vehicle charging infrastructure will be installed and operated on County-owned sites, including the Executive Office Building garage, Public Safety Headquarters, Wheaton Headquarters, and the Seven Locks Road maintenance facility. Level III chargers will be installed at county-owned fuel sites to support county vehicles that need to charge outside of their designated storage location.

ESTIMATED SCHEDULE

In FY25, six level II chargers and four level III chargers will be installed at various county facilities. The Department of General Services is currently working to identify the additional charging needs and infrastructure improvements needed to support the full transition of the county fleet to zero emissions.

PROJECT JUSTIFICATION

The county's Climate Action Plan calls for the county to reach zero greenhouse gas (GHG) emissions by 2035. To achieve the zero GHG emissions 2035 goal and fully transition the county's non-transit fleet, the county will need to purchase approximately 2,000 zero-emission light-duty vehicles, 250 medium/heavy-duty trucks, and 240 pieces of motorized equipment along with the electric charging equipment and infrastructure to support them.

OTHER

The Department of General Services is working to examine county facilities, existing infrastructure, and the county vehicle fleet and develop a plan to build a comprehensive vehicle charging network. In addition to highlighting future funding needs, the plan will serve as a guide for future grant applications and opportunities. The plan will also help to identify ongoing operating costs for maintenance of EV charging infrastructure.

COORDINATION

Department of Environmental Protection, Department of Transportation, Department of Recreation, Montgomery County Public Libraries, Montgomery County public safety agencies, Pepco, First Energy/Potomac Edison, BG&E, City of Rockville.