



# County Fleet Electric Vehicle Charging Stations

(P362505)

|               |                    |                      |                  |
|---------------|--------------------|----------------------|------------------|
| Category      | General Government | Date Last Modified   | 06/17/26         |
| SubCategory   | Fleet Management   | Administering Agency | General Services |
| Planning Area | Countywide         | Status               | Ongoing          |

## EXPENDITURE SCHEDULE (\$000s)

| Cost Elements      | Total  | Thru FY25 | Est FY26 | Total 6 Years | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | Beyond 6 Years |
|--------------------|--------|-----------|----------|---------------|-------|-------|-------|-------|-------|-------|----------------|
| Construction       | 19,611 | 12        | 4,599    | 15,000        | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 | -              |
| TOTAL EXPENDITURES | 19,611 | 12        | 4,599    | 15,000        | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 | -              |

## FUNDING SCHEDULE (\$000s)

| Funding Source              | Total  | Thru FY25 | Est FY26 | Total 6 Years | FY 27 | FY 28 | FY 29 | FY 30 | FY 31 | FY 32 | Beyond 6 Years |
|-----------------------------|--------|-----------|----------|---------------|-------|-------|-------|-------|-------|-------|----------------|
| Current Revenue: General    | 13,250 | 12        | 738      | 12,500        | -     | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 | -              |
| Current Revenue: Motor Pool | 6,361  | -         | 3,861    | 2,500         | 2,500 | -     | -     | -     | -     | -     | -              |
| TOTAL FUNDING SOURCES       | 19,611 | 12        | 4,599    | 15,000        | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 | -              |

## APPROPRIATION AND EXPENDITURE DATA (\$000s)

|                             |       |                          |       |
|-----------------------------|-------|--------------------------|-------|
| Appropriation FY 27 Request | 2,500 | Year First Appropriation | FY25  |
| Appropriation FY 28 Request | 2,500 | Last FY's Cost Estimate  | 4,611 |
| Cumulative Appropriation    | 4,611 |                          |       |
| Expenditure / Encumbrances  | 25    |                          |       |
| Unencumbered Balance        | 4,586 |                          |       |

## 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 20 to 30 miles of driving range per hour of charging. Level III DC fast charging can charge a vehicle to 80 percent in as little as 20 minutes. Electric vehicle charging infrastructure will be installed and operated on County-owned sites, including the Leggett 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

The Department of General Services is actively assessing additional charging requirements and infrastructure enhancements necessary

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to fully transition the County fleet to zero-emission vehicles across 200 County sites. In FY25, installation of charging infrastructure began at several County facilities, including the 6th District Police Station, Public Safety Headquarters, and multiple fire stations, with completion scheduled for FY26. In FY26, work will commence on charging infrastructure at County fleet fueling depots, including Seven Locks, Colesville, and Gaithersburg locations, with completion anticipated in FY27. Projects in FY28-32 will be selected and adjusted based on fleet EV vehicle use and domicile locations.

## **COST CHANGE**

Cost increase due to added funding in FY27-32.

## **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.

## **FISCAL NOTE**

This project includes funding from the Motor Pool Internal Service Fund.

## **COORDINATION**

Department of Environmental Protection, Department of Transportation, Department of Recreation, Montgomery County Public Libraries, Department of Police, Fire and Rescue Service, Pepco, First Energy/Potomac Edison, Baltimore Gas and Electric, City of Rockville