



AEG Washington Stakeholder Challenge

Mobility and Transportation



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Program Overview

Utility Public Charging Programs were approved by the Maryland Public Service Commission to support the clean energy and climate goals throughout the State.

Maryland's ZEV goal includes having more 300,000 EVs on the road by 2025; to meet this goal, more than 100,000 EVs must be added to the Pepco region territory

The EVsmart program will provide the necessary infrastructure to encourage EV adoption by our customers.

A total of 250 Electric Vehicle (EV) Public Charging Network stations will be installed on government-owned or controlled property within Pepco's Maryland service territory, at no cost to the government site hosts.

Pepco owns, operates, and maintains the EV chargers

Two types of chargers (Level 2 and DC Fast) are available, allowing EV drivers the flexibility and peace of mind to drive farther



Community Benefits to Maryland

The EVsmart program will provide solutions in Prince George's and Montgomery County in areas that currently lack EV charging infrastructure, supporting the County's goals to reduce GHG by 80% by 2050.

An increase in public chargers will make EVs more attainable for Prince George's County residents that lack home charging opportunities.

Public charging stations co-located at community-oriented facilities will integrate clean energy solutions with the County's existing commitments to public recreation, culture, health, and education.



Regarding Mobility & Transportation, to achieve Washington D.C.'s 2050 Carbon & Equity goals, the most critical obstacle to overcome is

Lack of sufficient EV sales to accelerate the market on EV Adoption so that Washington D.C. and Maryland can meet their clean energy goals.

Challenges and Barriers

Customers are reluctant to purchase Electric Vehicles without critical charging infrastructure in place
– Range Anxiety

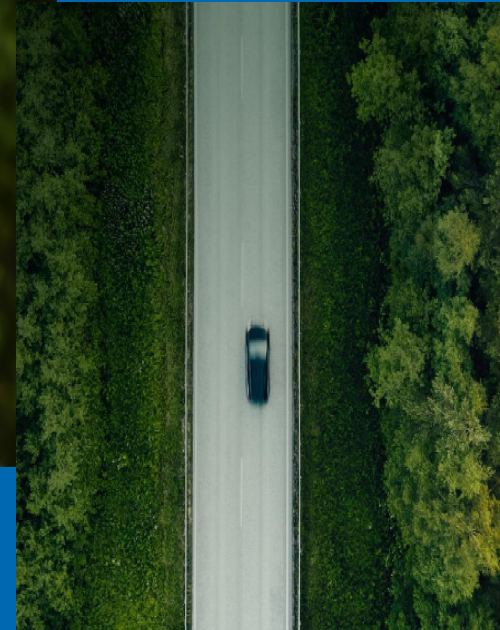
Market has been slow to create a public charging without a certain level of EV adoption across the DC Metropolitan Region

COVID has highlighted inequalities and disparities across minority communities. Vehicle Cost and charging deserts is preventing communities from taking advantage of the benefits from clean transportation



What can Pepco enable to help overcome the barriers and challenges?

- ⚙️ Equitable Access to electrical vehicle charging throughout the service territories
- ⚙️ Affordable rates so that all customers can have access to lower transportation cost
- ⚙️ Opportunities for customers living in multi-family housing to purchase and own electric vehicles
- ⚙️ Grid Benefits to strategically place charges to reduce impact on the grid while the city pushes towards its clean energy goals



Next Steps

What Solutions can Pepco facilitate to help overcome these challenges:

Leverage Rebates and Programs to incentivize new construction of residential home to include EV ready charging

Continue to allow Pepco to build out public charging infrastructure, creating equity and jobs

Increase education and awareness of EV benefits to increase equity in our most vulnerable communities

Incentivize dealerships to expand the resale market for Electric Vehicles

