Montgomery County Zero-Emissions Vehicles

www.MontgomeryCountyMD.gov/ZEV
Montgomery County’s Climate Action Plan sets a goal to reduce greenhouse gas emissions by 80% by 2027 and 100% by 2035. With transportation accounting for 42% of emissions in the County, this will require:

1. Encouraging greater use of transit, cycling and shared mobility options
2. Electrifying public transportation and the County vehicle fleet
3. Supporting a transition to zero-emissions vehicles (ZEV) for residents and businesses
The “Electric Vehicle Revolution” is underway. Electric Vehicles (EVs) offer many benefits compared to internal combustion engine (ICE) vehicles:

- Zero tailpipe emissions and clean, quiet engines
- Lower cost of ownership from electricity and maintenance costs
- Convenient charging at home, work, or your destination
- Fast acceleration, powerful performance
Electric Buses

• Ride-On currently operates 4 battery-electric buses (BEBs)
• 10 BEBs are on order
• A request for proposals on a 3-year, 86-bus procurement will be issued in FY23
• The County is building a 5.6 Megawatt (MW) solar-powered microgrid to support BEB charging at the Brookeville Smart Energy Bus Depot

Passenger Vehicle Fleet

• The County has 45 passenger EVs in service with an additional 50 ordered in FY22
• Planning to order another ~50 in FY23 conditional on approved funding
• There are approximately 900 non-public safety light-duty vehicles in the County fleet
• The County is piloting the Ford Mach-E for use by County police
Montgomery County is expanding EV charging at County facilities and parking garages

- 20 Level II charging stations in County parking facilities in Bethesda, Silver Spring, and Wheaton ($0.13/kilowatt hour plus parking fees)
- RFP issued to install ~60 additional stations at public facilities across the County
Home and Workplace Charging Guide

- **Department of Permitting Services** provides guidance on applying for permits to install residential and commercial EV charging.

- Most residential projects only require a standard electrical permit, while commercial projects may also require a building permit.

- The County allows residents to apply for a permit to install curb-side EV charging in the public right-of-way, with some conditions.

- The County is exploring ways to expand access to home charging for residents without private, off-street parking. This includes engaging with multifamily property owners, Condominium Associations and Townhome Home Owners Associations (HOAs).
This tool helps locate EV charging infrastructure in your community and plan charging stops around the county and the region.
Montgomery County launched the EV Purchasing Co-op (EVPC) pilot from January-May 2022 to help the private sector transition to electric vehicles. Residents and businesses join the EVPC by pledging to make their next vehicle an electric vehicle.

**Why Take the Pledge?**

1. **Show strong demand** for EVs to increase supply of vehicles and variety of choices provided to local dealers, generate business interest, and support EV-focused events
2. Get connected to a **local community** of EV experts and drivers
3. Opt-in to be contacted by knowledgeable dealers in the **Electrified Dealer Network**
4. Get up-to-date information about EV technology, local charging networks, and available incentives through the newsletter and **EV Resource Hub**

**Take the Pledge** on our website: www.montgomerycountymd.gov/zev
The Electrified Dealer Network helps local dealers become “EV Experts” and provide the best possible information to EV buyers.

The program is open to Montgomery County dealerships that make their sales staff available for virtual training. The ZEV resource hub lists the dealers who are participating in this program, and we are onboarding more dealers as they express interest.

Benefits for Dealers:

- Training and educational resources on EV technology, available incentives, and local charging
- Free promotion on the County’s online ZEV resource hub
- Coordination with the County on Ride-and-Drive events and live promotion opportunities
- Qualified EV sales leads from the EV Purchasing Co-op pledges

In the Network today:
24 dealership locations representing 15 auto brands
EVPC Bulk Purchases: What’s next?

The EVPC is currently in a pilot phase to evaluate interest from residents, businesses, community partners, and auto dealerships. As of June 2022, over 1,000 residents and business have signed the pledge!

The goals of the next phases of the EVPC will be to leverage pledges to negotiate discounted prices for new and pre-owned vehicles and other special offers from local businesses.

Pilot Phase (Early 2022)
- Launch pledge
- Initial dealership engagement
- Education and promotional events
- Connect buyers to dealers

Phase Two (Late 2022)
- Continue to grow pledges
- Expand education and promotional programs
- Evaluate purchasing options w/ dealerships and manufacturers

Purchasing Phase (~2023)
- Request quotes for bulk purchases
- Develop process for residents and businesses to reserve discounted vehicles
# Federal, State, and Local Incentives

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<th><strong>Federal</strong></th>
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<td>- Up to $7,500 tax credit for qualifying EV models</td>
<td>- <strong>HOV lane permits available thru MVA</strong>&lt;br&gt;- State incentive programs are currently inactive&lt;br&gt;- EVSE tax credit funds depleted for FY22&lt;br&gt;- New excise tax credit for vehicles will be effective July 2023</td>
<td>- <strong>Montgomery County Green Bank</strong>: Financing available for residential, multifamily, and commercial EVSE installation</td>
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*Current as of May 9, 2022*
Utility Incentives

Potomac Edison EVDriven
- $300 residential EVSE rebate
- Multifamily charging - Up to $20,000 (40%)

Pepco EVSmart
- Residential managed charging program
- Multifamily charging incentive - Up to $15,000 per charger
- $300 residential EVSE rebate - fully subscribed
- Whole house Time-of-Use Rate

Baltimore Gas & Electric EVSmart
- $50 annual incentive for Smart Charger
- Commercial charging rebate – Up to $15,000 per charger
- Time-of-Use Rate for EV charging

*Current as of May 9, 2022
Environmental Impact of EVs

Compared to ICE vehicles:
- 50% lower life-cycle GHG emissions
- Zero tailpipe emissions
- Better governance of raw resources
Questions?
Contact

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