



DEPARTMENT OF
**ENVIRONMENTAL
PROTECTION**
MONTGOMERY COUNTY • MARYLAND

Zero-Emissions Vehicle Planning

July 28, 2022



Climate Action Plan

Montgomery County's 2021 **Climate Action Plan** sets a goal to reduce greenhouse gas emissions by 80% by 2027 and 100% by 2035. With road transportation accounting for 36% 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

Wide Range of Transportation Actions

T-1: Expand Public Transit

T-2: Expand Active Transportation and Micromobility Network

T-3: Private Vehicle Electrification Incentives and Disincentives

T-4: Constrains Cars in Urban Areas, Limit Major New Road Construction

T-5: Zero Emissions Public Buses and School Buses

T-6: Electrify County and Public Agencies Fleet

T-7: Expand the Electric Vehicle Charging Network

T-8: Transportation Demand Management and Telework Strategies

T-9: Traffic Management Systems

T-10: Electric Vehicle Car Share Program for Low-Income Communities

T-11: Off-Road Vehicle and Equipment Electrification

T-12: Advocate for a Vehicle Carbon/ Gas Tax or VMT Tax

T-13: Advocate for Rail Alternative Fuels

Why Electric Vehicles?

The Climate Action Plan envisions 75-85% of transportation emissions reductions coming from vehicle electrification. EVs will provide a wide range of benefits to County residents:



Zero tailpipe pollution and 50% lower lifecycle emissions



Lower cost of ownership from electricity and maintenance costs



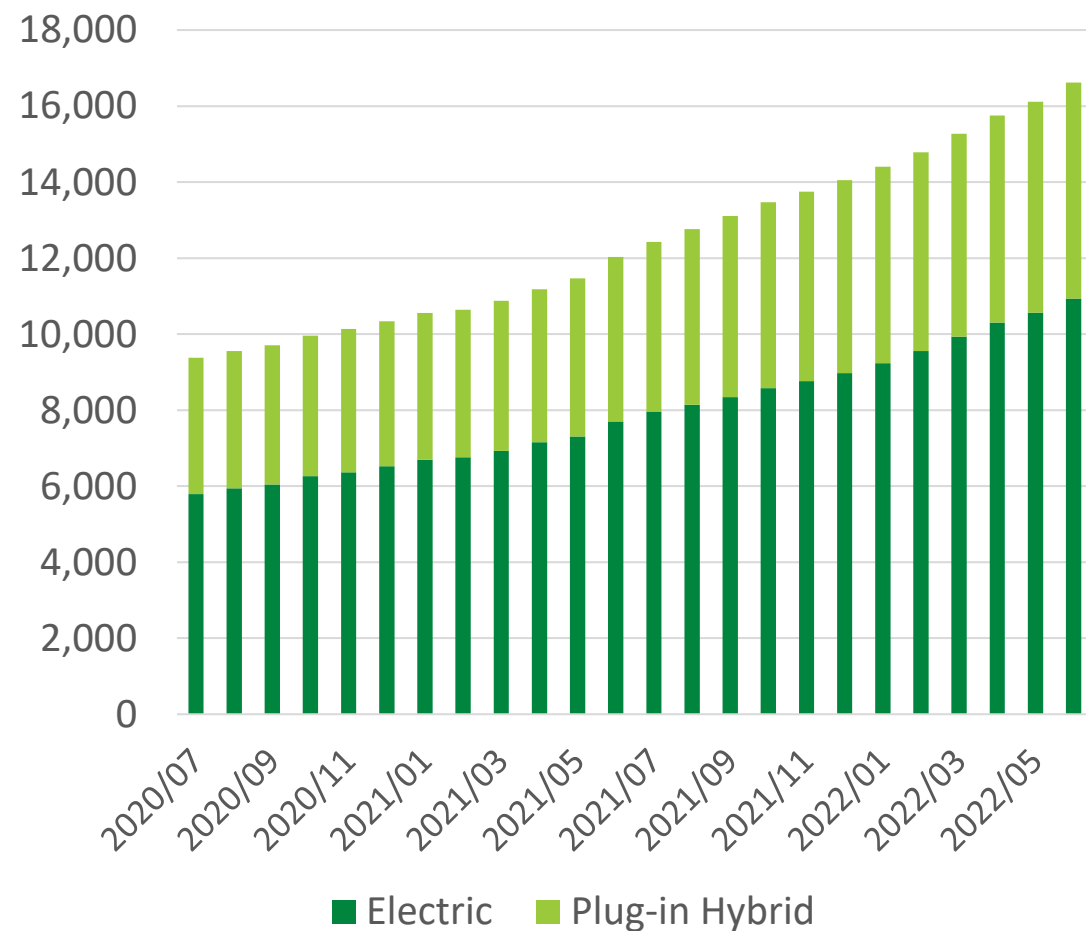
Convenient charging at home, work, or your destination



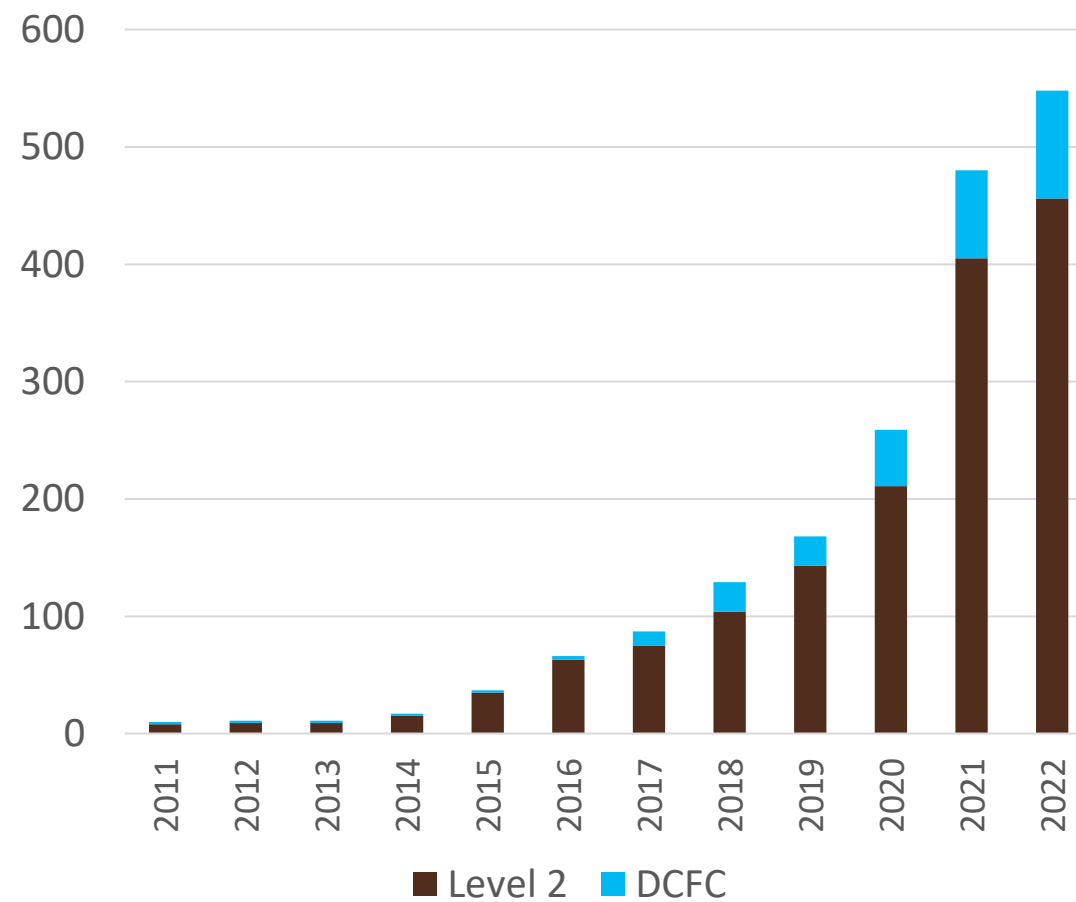
Fast acceleration, powerful performance

Montgomery County EV Data

Plug-in Vehicle Registrations



Public EV Charging Plugs



EV Purchasing Co-op

The EV Purchasing Co-op offers residents and businesses:

1. Discounts on new and pre-owned vehicles*
2. Information to help you buy an EV, find public charging, install charging, and get incentives
3. Events where you can experience EVs
4. Electrified Dealership Program of knowledgeable, enthusiastic local dealers

*Discussions continue with dealerships to offer incentives



Pilot Phase Goal met: over 1,000 Pledges
Pilot Phase Report available on ZEV website

Webinar: Condos Coops and Townhomes

DEP is partnering with the Commission on Common Ownership Communities (CCOC) and the Montgomery County Green Bank to help educate residents and board members of condos, co-ops, and townhomes about EV charging. Including:

- ✓ Benefits of EV charging
- ✓ Project planning
- ✓ Shared parking
- ✓ Incentives and financing
- ✓ Permitting and construction

Webinar Series:

- Tuesday Sep. 6, 6-8pm
- Sunday Sep. 11, 10am-12pm

Register: <https://bit.ly/3zJjzVD>

Zero-Emissions Vehicle Plan

The County plans to develop a Zero-Emissions Vehicle Plan that proposes detailed strategies and programs to pursue. Plan elements will include:

Transportation Choice

- Incentives, community engagement and education, and other programs that accelerate private sector transition to EVs and support transit, walking, cycling, and vehicle sharing

Charging Infrastructure

- Leverage federal and state funding to build a robust, equitable, and reliable charging infrastructure in single-family homes, multifamily communities, workplaces, and public locations

ZEV Ecosystem

- Collaborate with regional partners to build capacity for zero emissions vehicles, including workforce education, supply chains, clean electricity, and battery recycling

Timeline

- **Summer 2022:**
Draft Plan Framework
- **Late 2022/Early 2023:**
Stakeholder
Engagement and Input
- **Target Mid 2023:**
Draft and Final Plan

Questions?

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