

2023 ZEV Policy Scorecard is posted for public comment. Comments are most useful if received by November 9, 2023. Submit comments via email to: zeevic@mdot.maryland.gov

DRAFT

In 2023, ZEEVIC updated Maryland’s ZEV Policy Scorecard. This Scorecard outlines policy options that have been considered or enacted across the United States to promote ZEV adoption and accelerate ZEV recharging and refueling infrastructure. The footnotes indicate the status of the policies/incentives in other States. The purpose of the Scorecard is to inform public policy decisions about how to advance EV infrastructure. The Scorecard focuses on policies and programs currently active in Maryland, and it is not intended to capture Federal policies and incentives.

State Policies to Support Zero Emission Vehicle (ZEV) Deployment ¹	Active in Maryland?	Description	
Goals			
State ZEV Adoption Goal ²	Yes	<ul style="list-style-type: none"> • 300,000 EVs registered by 2025 • 600,000 EVs registered by 2030 	
State Light-Duty Fleet Procurement Goal ³	Yes	<ul style="list-style-type: none"> • Climate Solutions Now Act (2022) • 100% State Fleet of passenger vehicles must be ZEV by 2031 • 100% State Fleet of LDVs must be ZEV by 2036 	
State Infrastructure Deployment Goal ⁴	Yes	<ul style="list-style-type: none"> • MD National Electric Vehicle Infrastructure (NEVI) Plan • Build out 23 Alternative Fuel Corridors 	
Greenhouse Gas (GHG) Emission Reduction Target ⁵	Yes	<ul style="list-style-type: none"> • Climate Solutions Now Act (2022) • 60% emission reduction by 2031, net-zero by 2045 	
ZEV Funding for EJ Communities ⁶	Yes	<ul style="list-style-type: none"> • MD NEVI Plan • Justice40 mandates 40% of federal investments go to disadvantaged communities 	
Financial Incentives			
Point of Sale Rebates ⁷	No		
Rebates for New EVs ⁸	No		
Rebates for Used EVs ⁹	No		
Rebates or Grants for EV Infrastructure ¹⁰	Yes	<ul style="list-style-type: none"> • MEA Electric Vehicle Supply Equipment (EVSE) Rebate Program • MDE Electric Corridors Grant Program (ECGP) 	
Grants for Alternative Fuel Technologies ¹¹	Yes	<ul style="list-style-type: none"> • MEA grant & loan program, Clean Fuels Incentive Program (CFIP) • MEA Maryland Smart Energy Communities (MSEC) Program 	
Grants for Workplace Charging ¹²	Yes	<ul style="list-style-type: none"> • MDE Charge Ahead Grant Program, • BGE and PHI Commercial Customer Charging Rebate 	
Tax Credit – EV Purchase	Light-duty Vehicles ¹³	Yes	<ul style="list-style-type: none"> • MD Transportation Statute (§13–815)
	Medium- and Heavy-Duty Vehicles ¹⁴	Yes	<ul style="list-style-type: none"> • Clean Cars Act of 2022 (HB1391, CH0234)
Tax Credit – EV Infrastructure ¹⁵	No		

¹ Footnotes indicate States where the policy is active. Bolded states border MD and make up part of the southern Mid-Atlantic Region.

² CA, CO, CT, MA, MN, NJ, NY, NY, NC, OR, RI, VT, WA

³ CA, CT, IL, MN, NC, NH, OR, TN

⁴ CA, CO, CT, ME, MA, NJ, NY, OR, RI, VT

⁵ CA, CO, CT, HI, MA, ME, MN, NV, NJ, NY, OR, RI, VT, **VA**, WA

⁶ All 50 states (including **DC**)

⁷ CA, CO, CT, **DE**, MA, NY, OR, **PA**

⁸ AK, AZ, CA, CO, CT, FL, IL, MA, ME, MI, MN, MS, NE, NJ, NV, NY, OK, OR, **PA**, TX, VT, WA

⁹ AK, AZ, CA, CT, FL, IL, MA, ME, MI, MN, MS, OR, NJ, NV, NY, OK, OR, **PA**, TX, VT, WA

¹⁰ 42 States (including **DC**, **DE**, **PA**, and **VA**)

¹¹ CA, CT, **DE**, IL, IN, IA, LA, MA, ME, MI, MN, NC, NM, NV, OH, OR, SD, TX, UT, **VA**, VT, WI, WY

¹² WA

¹³ CO, **DC**, LA, MT

¹⁴ CA, CT, MA, UT

¹⁵ **DC**, GA, LA, NY, OK, UT, WA



State Policies to Support Zero Emission Vehicle (ZEV) Deployment		Active in Maryland?	Description
Financial Incentives (continued)			
Tax Exemption for ZEVs and Infrastructure ¹⁶		No	
ZEV Registration Fee Exemption ¹⁷		No	
Off-Peak Charging Credit ¹⁸		Yes	• Incentive offered in territory of the following utilities: BGE, Delmarva, Pepco, Potomac Edison
Non-Financial Incentives			
Reserved Parking on Public Property ¹⁹		Varies	• Jurisdictions include Montgomery County, Howard County, Baltimore County, and Emmittsburg.
ZEV Infrastructure Multi-State Collaboration ²⁰		Yes	• Multi- State Medium- and Heavy-Duty ZEV Action Plan (2022) • Light-Duty Vehicle 2018-2021 Multi-State ZEV Action Plan
ZEV Infrastructure Planning and Coordination ²¹		Yes	• Zero Emission Electric Vehicle Infrastructure Council (ZEEVIC)
ZEV Sale Requirements	Light-duty Vehicles ²²	Yes	• Advanced Clean Cars II (ACC II)
	Medium- and Heavy-Duty Vehicles ²³	No	• Clean Trucks Act of 2023 (HB0230)
Utility EVSE Programs ²⁴		Yes	• PC44 EV Pilot Program
Right-To-Charge Requirements ²⁵		Yes	• House Bill 0110, 2021
Consumer Education on EV Charging ²⁶		Yes	• PC44 EV Pilot Program • MarylandEV
Data Disclosure to Utilities ²⁷		Yes	• PC44 EV Pilot Program
Charging Signage Standardization ²⁸		Yes	• Senate Bill 146, 2022
HOV Lane Access ²⁹		Yes	• House Bill 123, 2023
Zero-Emission School Bus Pilot Program ³⁰		Yes	• Climate Solutions Now Act (2022) • BGE proposed a pilot to the PSC.
Innovative Policies			
Define EVSE Zoning Requirements ³¹		No	
Streamline ZEV Infrastructure Permitting ³²		No	
Right-Of-Way Charging		No	
PSC Mandated EV Plan by Utilities		No	
Alternative to Motor Fuel Tax	Annual EV Fee ³³	No	
	Other Policy	No	

¹⁶ AZ, CA, DC, MI, NJ, NC, OK, RI, UT, WA

¹⁷ AZ, CT, OR

¹⁸ AL, AZ, CA, CO, DC, DE, FL, GA, IL, IN, KY, LA, MA, MN, NC, NH, NJ, NY, OH, PA, SC, TX, UT, VA, WA, WI, WV

¹⁹ AZ, CA, CO, DC, FL, HI, IL, MA, ND, NV, OR, RI, WA

²⁰ AZ, CA, CO, CT, DC, DE, HI, ID, ME, MA, MT, NH, NJ, NM, NC, NV, NY, OK, OR, PA, RI, UT, VA, VT, WA, WY

²¹ CO, DC, NH, RI

²² CA, CO, CT, DC, DE, ME, MA, MN, NJ, NV, NY, OR, PA, RI, VT, VA, WA

²³ CA, CO, CT, ME, MA, NC, NJ, NY, OR, PA, RI, VT, WA

²⁴ AL, AK, AZ, CA, CO, CT, DC, DE, FL, GA, HI, ID, IN, IA, KS, LA, MA, ME, MI, MN, MS, MO, NE, NV, NH, NJ, NM, NY, NC, OH, OK, OR, RI, TN, TX, UT, VT, VA, WA, WI, WV, WY

²⁵ CA, CO, DE, FL, HI, NJ, NY, OR, VA

²⁶ AZ, CA, CO, HI

²⁷ AZ, CA, CO, FL, KT, MO, MS, NC, NM, NV, VT

²⁸ CA, NH, NY, ND, OH, SD, VA, WA

²⁹ AZ, CA, GA, HI, NJ, NY, NC, UT, VA

³⁰ All 50 states (including DC)

³¹ WA

³² CA

³³ AL, AK, CA, CO, GA, HI, ID, IL, IN, IW, KA, MI, MN, MS, MO, NE, NC, SC, ND, SD, OH, OK, OR, TN, UT, VA, WA, WV, WI, WY

ZEV Policy Scorecard: Definitions

Policy Type		Policy Description
Goals		
State ZEV Adoption Goal		A state aims to have a certain number of ZEVs registered by a certain year.
State Light-Duty Fleet Procurement Goal		Requires the state fleet to procure a certain number of ZEVs when purchasing and/or replacing vehicles.
State Infrastructure Deployment Goal		A state aims to have a certain number of EVSE or hydrogen refueling stations installed by a certain year.
Greenhouse Gas (GHG) Emission Reduction Target		A state aims to reduce GHG emissions by a certain amount by a certain year compared to a baseline year level.
ZEV Funding for EJ Communities		A state sets funding targets for prioritized ZEV funding to EJ communities.
Financial Incentives		
Point-Of-Sale Rebates		Applies the rebate amount directly to the sale price of a ZEV, allowing consumers to realize savings immediately.
Rebates for New EVs		Rebates for the purchase of a new EV.
Rebates for Used EVs		Rebates for the purchase of a used EV.
Rebates or Grants for EV Infrastructure		Financial award for the cost of equipment, installation, construction, and/or operation costs of EVSE.
Grants for Alternative Fuel Technologies		Financial award for technology that reduces the GHG emissions from ICE vehicles (e.g., idle reduction technology).
Grants for Workplace Charging		Financial award for the cost of equipment, installation, construction, and/or operation costs of EVSE for workplace charging.
Tax Credit – EV Purchase	Light-Duty Vehicles	Provides the buyer of an EV with a tax credit for the vehicle purchase.
	Medium- and Heavy-Duty Vehicles	
Tax Credit – EV Infrastructure		Provides the buyer of EVSE or hydrogen refueling infrastructure with a tax credit.
Tax Exemption for ZEVs and Infrastructure		Costs associated with ZEVs, EVSE, and hydrogen refueling infrastructure are exempt from state taxes.
ZEV Registration Fee Exemption		ZEVs do not pay state motor vehicle registration fees.
Off-Peak Charging Credit		Incentives offered by utility companies to promote usage of electricity during times of low demand.

ZEV Policy Scorecard: Definition (continued)

Policy Type		Policy Description
Non-Financial Incentives		
Reserved Parking on Public Property		Parking spaces are reserved for ZEV use only. This can be particularly useful for EVSE installed in parking lots or garages, preventing ICE vehicles from using spaces designated for charging.
ZEV Infrastructure Multi-State Collaboration		Plans, councils, task forces, commitments, or agreements between states that promote the deployment of ZEV infrastructure.
ZEV Infrastructure Planning and Coordination		State-wide approaches to promoting ZEVs and Infrastructure.
ZEV Sales Requirements	Light-Duty Vehicles	The adoption of Title 13 of the California Code of Regulations in whole or in part.
	Medium- and Heavy-Duty Vehicles	The adoption of the Advanced Clean Trucks rule in whole or in part.
Utility EVSE Programs		Utility company actions in support of EVSE deployment. Legislation may be directed at the utility or at the state's public utility commission.
Right-To-Charge Requirements		Prevents HOAs, condominiums, MUDs, and other community-style residences from prohibiting the installation of EVSE.
Consumer Education on EV Charging		Conducts outreach activities to the public and private entities to educate the public on EV technologies and charging infrastructure.
Data Disclosure to Utilities		State, local jurisdictions, and utility regulators provide information to enable strategic planning to ensure adequate electric demand.
Charging Signage Standardization		Creates uniform design, placement, and content for signage indicating EVSE availability or access.
HOV Lane Access		Allows ZEVs to access HOV lanes at any time or specific times for a reduced or no price regardless of the number of vehicle occupants.
Zero-Emission School Bus Pilot Program		Pilot program to purchase zero emission school buses, install charging infrastructure, and transition to zero emission school bus fleets.
Innovative Policies		
Define ZEV Zoning Requirements		Clear Zoning Code language related to permissions and siting of ZEV Charging equipment.
Streamline ZEV Infrastructure Permitting		Removes barriers for permitting the development of EVSE and hydrogen refueling infrastructure. Ideally, this would provide for a unique, easier permitting process for this type of infrastructure and construction.
Right-Of-Way Charging		Allows EVSE to be installed along streets (e.g., curbside, light posts)
PSC Mandated EV Plan by Utilities		A State's Public Utility Commission mandates utility companies to develop strategic plan to accommodate transportation electrification needs.
Alternative to Motor Fuel Tax		In response to diminishing revenue from the Motor Fuel Tax, States may enact alternatives sources of funding. Alternative sources of revenue could be a registration fee on EVs, a mileage-based user fee (MBUF) or a roadway user charger (RUC).