



# MARYLAND ZERO EMISSION

**Electric Vehicle Infrastructure Council**

May 20, 2026

# Agenda

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- Welcome
- Public Comments
- Zero Emission Vehicle Infrastructure Plan (ZEVIP)
- 2026 Maryland General Assembly (MGA) Legislative Session Recap
- ZEEVIC Updates – Review of House Bill 451
- Maryland Department of Agriculture (MDA) EVSE Registration Update
- State Agency and Others' Announcements
- Closing Remarks

# Welcome

Deron Lovaas, ZEEVIC Chair & MDOT Chief of Environment and Sustainable Transportation



# ZEEVIC New Member Welcome

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**Delegate Darrell Odom**

ZEEVIC Seat: House of Delegates

Affiliation: District 27A Charles and Prince George's Counties

# Public Comments



A stylized graphic in the top right corner shows two hands, one in red and one in white, cupping a globe. The globe is composed of yellow, grey, and red segments. The hands are rendered in a simple, flat style.

# Zero Emission Vehicle Infrastructure Plan (ZEVIP)

Amanda Hinh, MDOT



# The Zero Emission Vehicle Infrastructure Plan

May 20, 2026





# MARYLAND

## ZERO EMISSION

### Vehicle Infrastructure Plan

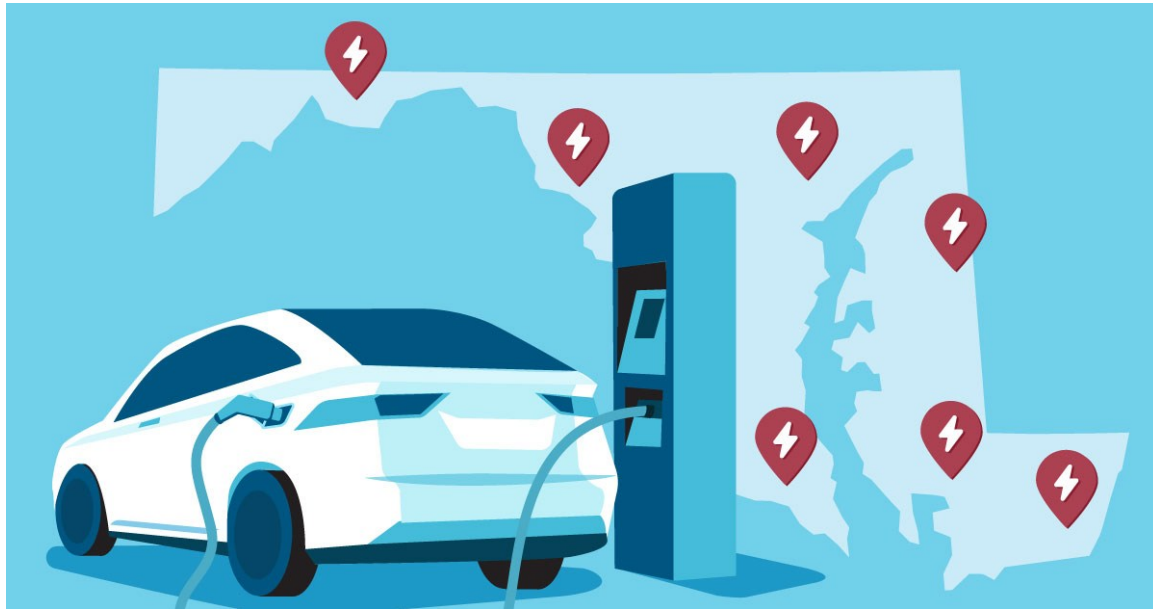
## What is the ZEVIP?

Maryland's first statewide, five-year strategy document to build a more connected and convenient public charging infrastructure network.

### Developed in response to:

- Executive Order 01.01.2024.19, "Leadership by State Government: Implementing Maryland's Climate Pollution Reduction Plan"
- Inquiries from public and private partners for state guidance on where to site additional public charging for light-duty electric vehicles (EVs)

# ZEVIP Overview



## What it is:

- State of Maryland “**playbook**” for state agency coordination on EV charger deployment from now through 2031
- **Predictability** in how the state will continue to support EVs and public charging infrastructure
- Reflection of **integrated feedback** from interagency coordination, as well as stakeholder and public engagement
- Low, medium, and high **scenarios assessment** of projected EV growth and charging infrastructure needs
- Evaluation of **current opportunities** for siting additional public charging infrastructure
- **Updated** and amended every three years, as needed

# Frameworks for Scenario Development

LDV adoption scenarios developed in coordination and collaboration with the Maryland Department of the Environment to better understand federal and market uncertainties.

## High

Reflects the retention of federal incentives. Most lenient of the Advanced Clean Cars (ACC) II Program implementation.

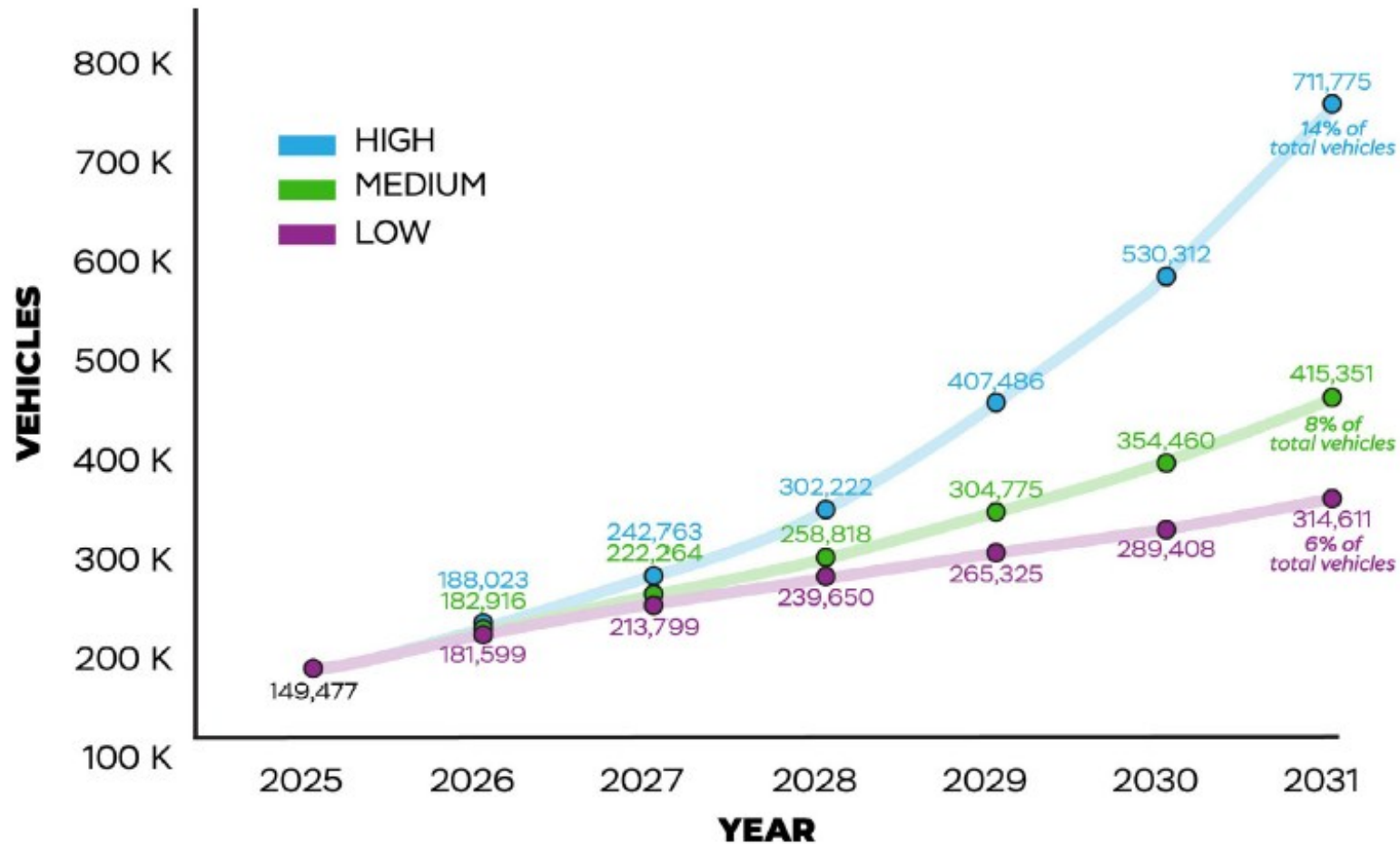
## Medium

Reflects a full federal repeal of vehicle tax incentives under the Inflation Reduction Act (IRA). This scenario does not include ACC II implementation.

## Low

Assumes EV sales will remain flat at 10%. This scenario does not include federal incentives or the implementation of ACC II.

# Projected EV Populations Under Scenarios



# Simplified Projected Public Charging Needs

| SCENARIO | TOTAL PROJECTED EVs | PUBLIC DCFC CHARGING PORTS NEEDED | PUBLIC LEVEL 2 CHARGING PORTS NEEDED |
|----------|---------------------|-----------------------------------|--------------------------------------|
| LOW      | 314,611             | 585                               | 10,063                               |
| MEDIUM   | 415,351             | 585                               | 11,664                               |
| HIGH     | 711,775             | 1,058                             | 20,467                               |

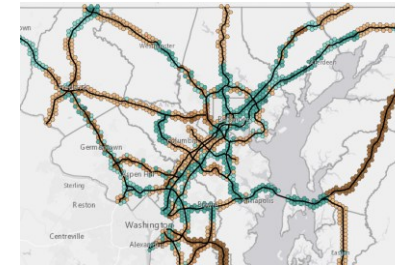
*Balancing modeled outputs from EVI-Pro Lite with stakeholder-reported needs is essential for accurately characterizing the range of Maryland's charging requirements. Both the public ZEVIP Survey and Maryland's NEVI gap analysis identify specific deficiencies not captured by EVI-Pro Lite's statewide capacity totals.*



# Maryland EV Charging Suitability Tool

## Now Available Online

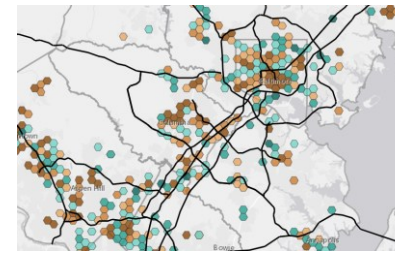
- Maryland is divided into unique, 1-mile hexagonal bins containing normalized and weighted data.
- Color shading indicates suitability for future infrastructure under each charging category
  - **Corridor** – Fast charging along highways
  - **Workplace** – Level 2 (L2) charging at places of employment
  - **High-density residential** – L2 charging for multi-unit residential communities
  - **Neighborhood & amenity** – L2 charging at neighborhood spots where people gather



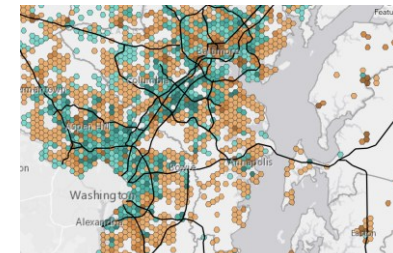
**Corridor**



**Workplace**



**High-Density Residential**



**Neighborhood & Amenity**



# Key Targets and Actions

State  
Interagency  
Workgroup

ZEVIP Survey

- Defined targets
- Supporting recommendations
- Intended outputs
- Responsible state agencies
- Approximate timelines

## Target 1: Increased EV Sales

- EV market study for incentives
- Updated MHDV scenarios-based projections
- Fleet transition technical assistance

## Target 2: Expanded EV Charger Deployment and Reliability

- Strategically invest NEVI funds to close gaps
- Real-time data sharing
- Best practices for permitting
- Long-term plan for chargers on state property
- Improve workforce training for EV chargers

## Target 3: Strategic Utility Grid Integration

- Align utility hosting capacity with infrastructure planning tools
- State incentives for make-ready
- Continue integrating EV planning in electricity system planning
- Evaluate tools/programs for peak demand

## Target 4: Tactical Public Engagement and Communications

- Assist high-density residential EV charging
- Increase partnerships for consumer-focused communications
- Increase EV road signage
- Improve engagement from local planning departments
- Engage fleet owners on clean tech transition

# Thank you!

[EVPlan@mdot.maryland.gov](mailto:EVPlan@mdot.maryland.gov)





# 2026 MGA Legislative Session Recap

Josh Cohen, ZEEVIC Legislative WG Chair

# 2026 Legislative Session Recap

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- HB 405 passed, prohibiting condominium or HOA bylaws from unreasonably preventing the installation of EV recharging equipment. This bill passes after previous introduction in the 2024 and 2025 sessions failed.
- HB 451 passed to alter the membership of ZEEVIC, alter ZEEVIC's directives, and repeal the sunset date of the Council.
- HB 969/SB 649 passed, specifying certain requirements surrounding the retail sale of electricity as a vehicle fuel. HB 1225, which proposed to reduce a per-port registration fee, failed. However, the weights and measures program subsequently submitted an action to reduce the fee from \$150 per port to \$75 per port.
- HB 1532 was amended to combine many other bills into one large energy-related bill (Utility RELIEF Act), with implications for EVs and EV charging infrastructure. MDE must begin annual reporting of GHG emission reductions achieved by EVs

# 2026 MGA Passed ZEV Legislation

| Bill Number      | Bill Title and Synopsis  | ZEEVIC Position |
|------------------|--|-----------------|
| HB 405           | <p><b>Condominiums and Homeowners Associations - Governing Documents - Electric Vehicle Recharging Equipment</b><br/>           Prohibiting provisions of the governing documents of a condominium or homeowners association from unreasonably restricting the governing body from installing or authorizing the installation of electric vehicle recharging equipment; establishing that the installation or authorization of electric vehicle recharging equipment by a governing body is subject to certain budget processes of the condominium or homeowners association for a common area renovation or alteration similar in cost or magnitude; applying the Act retroactively; etc.</p> | Support         |
| HB 451           | <p><b>Maryland Zero Emission Electric Vehicle Infrastructure Council - Membership, Duties, and Sunset Repeal</b><br/>           Altering the membership and duties of the Maryland Zero Emission Electric Vehicle Infrastructure Council; requiring the Council to submit annual reports of its work and recommendations to the Governor and the General Assembly by December 1, 2026, and each year thereafter; and repealing the termination date of the Council.</p>  | Support         |
| HB 969<br>SB 649 | <p><b>Electric Vehicle Fuel Sold at Retail - Equipment Requirements, Units of Measure, and Fees</b><br/>           Requiring the owner or possessor of a weight and measure used for the retail sale of electricity as a vehicle fuel to display certain information in a conspicuous manner; requiring all electricity possessed, offered, or exposed for sale and sold at retail as a vehicle fuel to be measured and sold in units of kilowatt-hours; authorizing the owner or possessor of a weight and measure used for the retail sale of electricity as a vehicle fuel to charge certain fees for certain services; etc.</p>  | Did Not comment |
| HB 1532          | <p><b>Utility RELIEF (Reducing Energy Load Inflation for Everyday Families) Act</b><br/>           Transferring the electric universal service program to the Office of Home Energy Programs and requiring the Office to authorize benefits under the program for certain electric customers; establishing the Green and Renewable Energy Efficiency for Nonprofits Loan Program in the Maryland Clean Energy Center; altering certain required procedures related to the permitting, inspection, and interconnection of certain residential solar energy systems; altering the uses of the Environmental Trust Fund; etc.</p>   | Did Not Comment |

# 2026 Failed ZEV Legislative Proposals

| Bill Number                   | Bill Title   | ZEEVIC Position |
|-------------------------------|--|-----------------|
| <b>SB 59</b><br><b>HB 437</b> | Transportation - Major Highway Capacity Expansion Projects and Impact Assessments (Transportation and Climate Alignment Act of 2026) | Support         |
| <b>SB 622</b>                 | Maryland Strategic Energy Investment Fund - Required Uses - Building Electrification and Transportation Electrification              | Support         |
| <b>HB 1040</b>                | Maryland Strategic Energy Investment Fund - Mandated Uses - Climate Change Programs  | Support         |
| <b>HB 1225</b>                | Weights and Measures - Electric Vehicle Charging Equipment - Registration Fees   | Support         |
| <b>HB 1374</b>                | Alternative Fuel, Fuel-Efficient, and Electric Vehicles - Highway Use Fees   | Support         |
| <b>HB 673</b>                 | Consumer Goods - Restrictions Based on Energy Source - Prohibition (Energy Equality Act of 2026)                                     | Oppose          |
| <b>HB 1019</b>                | School Bus Transition - Propane-Powered School Buses - Grant Program, Fund, and Purchase   | Oppose          |



# ZEEVIC Updates – Review of House Bill 451

Delegate David Fraser-Hidalgo, District 15 Montgomery County

Deron Lovaas, ZEEVIC Chair & MDOT Chief of Environment and Sustainable Transportation

# ZEEVIC Updates – Review of House Bill 451

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**The following will take effect on June 1, 2026:**

- Membership changes
- New directives
- Reporting requirements
- Repeal of sunset date

# ZEEVIC Updates - Membership

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## **ZEEVIC Members to be added:**

- The Secretary of Agriculture, or the Secretary's Designee

## **ZEEVIC Members to be removed:**

- One representative of an institution of higher education in the State with expertise in energy, transportation, or the environment
- One representative of the retail electric supplier community

# ZEEVIC Updates - Directives

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- 1.** Identify barriers and challenges to the integration of zero emission electric vehicle charging infrastructure into the State's transportation network;
- 2.** Identify, develop, and recommend policies and best-practice initiatives for the integration of zero emission electric vehicle charging infrastructure into the State's transportation network, including in residential and commercial areas and buildings;
- 3.** Convene State and local agencies and officials and other interested stakeholders to assist with the alignment and coordination of policies and best-practice initiatives for the integration of zero emission electric vehicle charging infrastructure into the State's transportation network;

# ZEEVIC Updates – Directives (Continued)

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4. Establish performance measures for meeting zero emission electric vehicle-related use, infrastructure, and regulatory goals;
5. Develop targeted policies to support fleet purchases of zero emission electric vehicles;
6. Develop charging solutions for existing and future multidwelling units; and
7. Pursue other goals and objectives that promote the use of zero emission electric vehicles in the State.

# ZEEVIC Updates – Reporting Requirements

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On or before December 1, 2026, and on or before December 1 each year thereafter, the Council shall submit annual reports of its work and recommendations to the Governor and, in accordance with §2-1257 of the State Government Article, the General Assembly.

**ZEEVIC's sunset date has been repealed.**



# Maryland Department of Agriculture (MDA) EVSE Registration Update

Alison Wilkinson  
Chief, Weights and Measures Program



# State Agency and Others' Announcements

# Announcements - MEA

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## → Designing FY27 Programs

- **Medium/Heavy Duty Awards routing**
  - Electric School bus - including
  - Infrastructure - any feedback on cost funding
- **Community EVSE recommendation phase**
- **OPEN → FY27 Energy Challenge**
  - Any Feedback from others on what energy challenge should be addressed (only 1 will be picked per year)
- **EVSE Rebate program closed**

# Announcements – DGS

- DGS hosted its **annual Earth Day event - April 29th** with a showcase of green products and organizations, EV Ride and Drive, and an electric bus ride courtesy of MTA. During the event, Secretary Chaudhry presented the Maryland EV Champion Award to Joseph Hester from the Maryland Department of Juvenile Services, recognizing his leadership, advocacy, and initiative in advancing electric vehicle adoption across Maryland.
- DGS hosted an **Earth Month webinar series** including a session on how to use EV apps and resources. All webinars can be found at:  
<https://www.youtube.com/playlist?list=PLPo6VeFWVvDWYNo1Q23jYF7y8I-0MvItr>



# Closing Remarks

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Upcoming ZEEVIC quarterly meeting: **To Be Announced**

To receive ZEEVIC Meeting Notices, email: [ZEEVIC@mdot.maryland.gov](mailto:ZEEVIC@mdot.maryland.gov)