

# Zero Emission Electric Vehicle Infrastructure Council (ZEEVIC) January Meeting

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**Meeting Date:** January 12, 2023

**Meeting Location:** Hybrid - Teams Meeting and MDOT HQ

## **ZEEVIC Members/Appointed Representatives in Attendance:**

- Lewis, Earl R. Jr. (MDOT), ZEEVIC Chair
- Fleischmann-Groncki, Kristy (BGE)
- Forsythe, Nina (City of Frostburg/MML)
- Delegate Fraser-Hidalgo, David (MGA)
- Jones, Mike (MEA)
- Koerner, Steve (bp pulse fleet)
- Miller, Kevin (ChargePoint)
- Mosier, Kevin (PSC)
- Shaw, Jeff (SMECO)
- Shin, Hyeon-Shic, Ph.D., (Morgan State University)
- Thompson, Elvia (Annapolis Green)
- Verchinski, Paul (Public)
- Wall, Michael (Clinton Electric)
- Wilson, Scott (EVADC)
- Wimmer, Robert (TMNA)
- Xu, Bihui (MDP)
- Young, Weston (Worcester County/MACO)

## **ZEEVIC Member Alternates:**

- Hoover, Fred (OPC)
- O'Connor, Dan (PHI)
- Shepherd, Tim (MDE)

## **Other Presenters:**

- Chen, Joey (PSC)
- Dupont, Samuel (BGE)
- Hendrick, Jennifer (BGE)
- Keating, Neil (Potomac Edison)

## **Staff:**

- Burke, Virginia (MDOT)
- Cortazzo, Sophia (MDOT)
- Janousek, Dan (MDOT)
- Lipford, Sharron (Sharp & Co., supporting MDOT)
- Proctor, David (Sharp & Co., supporting MDOT)
- Sawada, Leo (Jacobs, supporting MDOT)

## **Welcome and Announcements**

- Maryland passed the milestone of 60,000 registered EVs as of 11/30/22. 62,744 EVs were registered by the close of 2022 (as of 12/31/22).
- More than a quarter million EV's were sold in the U.S. in 2022, according to a report by the National Resources Defense Council.
- The *U.S. National Blueprint for Transportation Decarbonization* was released, a first-of-its-kind strategy for federal leadership and partnerships to decarbonize the entire U.S. transportation sector.

## **Public Comments**

- Nina Forsythe - Commented that EV drivers should be able to go up to any charging station and use their own credit card instead of using a special card, as it can be discouraging for new EV drivers. This should work just like gas stations.

- Weston Young - Asked for any resources or direction that is available for fire fighters, especially volunteer fire fighters, when batteries catch on fire. Fire suppression recommendations would be appreciated.
  - Tesla's First Responders Page was shared by a meeting participant: <https://www.tesla.com/firstresponders>
- Lanny Hartmann – Asked for ZEEVIC to write a letter to the Public Service Commission regarding the issue of charger reliability, and to encourage them to gather data on inoperable chargers. He recommended a template for reporting broken charger events that would include: when the issue was discovered; why the charger was inoperable; a timeline on what was done to restore operation; and when the charger was back in service.

## 2023 Legislative Session

### Delegate David Fraser-Hidalgo, Maryland State Delegate, District 15

- Working on a bill to be called the EV Charging Reliability Act, to establish uptime requirements for EV charging stations, expand the PSC pilot program, and other aspects.
- Sponsored HB0007 and HB0123, which have been referred to House Environment and Transportation Committee for review

Bills introduced to date, which ZEEVIC will monitor:

1. HB0007 - Electric Vehicle Recharging Equipment Rebate Program – Renewal  
<https://mgaleg.maryland.gov/mgawebsite/Legislation/Details/hb0007?ys=2023RS>
2. HB0101 - Condominiums - Common Elements - Clean Energy Equipment  
<https://mgaleg.maryland.gov/mgawebsite/Legislation/Details/HB0101>
3. HB0123 - Vehicle Laws – HOV Lanes – Plug-In Electric Drive Vehicles  
<https://mgaleg.maryland.gov/mgawebsite/Legislation/Details/hb0123?ys=2023RS>

## Mid-Atlantic Hydrogen Hub Update

### Earl Lewis (MDOT), ZEEVIC Chair

- The Mid-Atlantic Hydrogen Hub (MAHH) submitted its Concept Paper to the US Department of Energy (US DOE) in November 2022. US DOE Regional Clean Hydrogen Hubs program—or H2Hubs— includes up to \$7 billion to establish 6 to 10 regional clean hydrogen hubs. Proposed by Connected DMV, the MAHH has support from a cross-sector coalition of more than 40 partners representing Washington, D.C., Maryland, and Virginia. Of 79 submissions, MAHH was among 33 invited to advance a Regional Hydrogen Hub application by April 2023.
- <https://www.connecteddmv.org/post/mid-atlantic-coalition-announces-bid-to-advance-its-sustainable-regional-hydrogen-hub>
- Audience question about where a hub might be sited.

## **School Bus Electrification - BGE Electric School Bus Pilot Program (Draft Proposal)**

### **Samuel Dupont (BGE) & Jennifer Hendrick (BGE)**

- Proposal based on 2022 Maryland authorizing legislation - a provision of the Climate Solutions Now Act and HB 696.
- Provides up to \$50mm in BGE-funded rebates to cover the incremental cost of an electric school bus vs. a fossil-powered unit.
- Provides other rebates for make-ready and charging infrastructure.
- Creates foundation for Vehicle-2-Grid construct by requiring buses and chargers to have bidirectional power flow capability.
- Utility will be able to use latent battery capacity for V2G benefits during time periods when buses aren't required for student transport.
  
- Audience questions about: what year Maryland's school buses may be fully electric; how BGE anticipates handling demand charges; how program may accommodate rural school bus drivers parking buses at their home; whether the size of awards might be based on the lifecycle emissions of the bus being replaced.

## **School Bus Electrification - Perspectives on Funding**

### **Tim Shepherd (MDE)**

- Medium-Heavy diesel trucks represent one of the largest emitters of fine particulate matter, which can cause significant respiratory problems. Medium and heavy-duty trucks represent the second largest contributor to both CO<sub>2</sub> and NO<sub>x</sub> in the state. The majority of Maryland is still in non-attainment for ground level ozone, and Maryland is the fourth most vulnerable state to the effects of sea level rise. To achieve both our CO<sub>2</sub> and NO<sub>x</sub> goals we will need significant reductions from the medium and heavy-duty sector. Maryland has between 8,000 to 10,000 public and private school buses operating in the state.
- Additional Points:
  - EPA Clean School Bus Program
  - MDE's Experience under VW Program
  - Climate Solutions Now Act of 2022
  - PSC/Utilities Electric School Bus Pilot Program
  
- Audience question about the possibility of retrofitting existing buses as a method to save on costs; scrappage requirements; Maryland school buses sold to other states after the 12-year lifecycle.

## **Maryland NEVI Program Updates**

### **Dan Janousek (MDOT)**

- Program development is underway, with involvement by MDOT SHA and MEA.
- Meeting with federal partners and other States' NEVI offices in Philadelphia Jan 19, 2023.
- MDOT released a new RFI to solicit feedback and recommendations for a future RFP for the development of electric vehicle charging networks within Maryland.
  - Information gathered through public comment will inform decisions on whether and how to proceed with an end-to-end data-collection to data-reporting solution. The intended purpose of the RFI is to gather information to educate the State on Electric vehicle supply

equipment (EVSE) and electric vehicle infrastructure deployment data, data-reporting, software, network, communications, and cyber-security needs.

- RFI will close 2/13/2023 at 2:00 PM.
- EVSE End to End Data Collection and Data Reporting Solution (BPM035188)  
[https://emma.maryland.gov/page.aspx/en/bpm/process\\_manage\\_extranet/53685](https://emma.maryland.gov/page.aspx/en/bpm/process_manage_extranet/53685)
- NEVI & the state of EV infrastructure will be a topic at Preservation Maryland’s Power 2Go Symposium – February 13 in Grasonville, MD. Free to attend:  
<https://www.preservationmaryland.org/event/power-2go-a-symposium-to-increase-equity-and-accessibility-of-historical-cultural-and-recreational-destinations/>

**Utility Updates**

<p><b>BGE</b> Kristy Fleischmann</p>	<p>EVSE Pilot Program Update</p> <ul style="list-style-type: none"> <li>● Residential: 2,546</li> <li>● Multifamily: 203 ports</li> <li>● BGE-owned Multifamily: 16 L2s</li> <li>● Public: 259 live, 137 in progress</li> <li>● TOU Rate: 1,504 participants</li> <li>● Fleet program approved 9/14/2022</li> <li>● Smart Charge Management – LIVE! (Goal is to enroll 1,000 drivers)</li> </ul>	<p>Events &amp; Outreach</p> <ul style="list-style-type: none"> <li>● Maryland Auto Show – March 10 - 12 in Baltimore</li> <li>● WMAR ‘Steering Change’ Series: first episode will air next month</li> </ul>
<p><b>PHI</b> Dan O’Connor</p>	<p>Reported numbers on residential, Multi-Unit Dwelling, and TOU participant applications.</p>	<p>Events &amp; Outreach</p> <ul style="list-style-type: none"> <li>● Washington DC Auto Show January 20-29</li> </ul>
<p><b>SMECO</b> Jeff Shaw</p>	<p>EVSE Pilot Program Update</p> <ul style="list-style-type: none"> <li>● 32 EVSE Installed (29 Level 2, 3 DC Fast)</li> </ul>	<p>Other Programs</p> <ul style="list-style-type: none"> <li>● Filed Residential Rebate, Multi-family, and managed Charging with MD PSC (decision pending)</li> </ul>
<p><b>Potomac Edison</b> Neil Keating</p>	<p>EVSE Pilot Program Update</p> <ul style="list-style-type: none"> <li>● Residential Rebates: 429</li> <li>● Multifamily: 6</li> <li>● Public: 24 Level 2, 10 DC Fast Chargers</li> <li>● TOU Rate: 500 participants</li> </ul>	<p>Events &amp; Outreach</p> <ul style="list-style-type: none"> <li>● EV Driven Social Media Video Campaign launched on 10/28/22 that will run through March 2023; promotes residential rebates.</li> </ul>

**MarylandEV.org and Outreach Updates**

**David Proctor, Sharp & Company**

- Reviewed highlights from the analytics of the MarylandEV.org website, organic and paid social media, shared content post examples as well as the social media ad analytics.

**State Agency Updates**

**PSC – Joey Chen**

- The PC44 EV Work Group filed a supplemental reliability summary report with the Commission on December 1, 2022. A Commission decision is pending.



- BGE, Pepco, and DPL filed proposed changes for the demand response portion of their Smart Charge Management project on December 20, 2022. A Commission decision is pending.
- SMECO filed its supplemental application for residential and multi-unit dwelling EV programs on December 20, 2022. A Commission decision is pending.
- The PC44 EV Metering Subgroup filed a report with the Commission on December 22, 2022. A Commission decision is pending.

#### **MDE – Tim Shepherd**

- EVSE Infrastructure Grants (Round 2)
  - AG finalized Agreements for both the CAGP and ECGP and Agreements have been sent out for signatures
  - Expect Agreements to all be signed by February/March 2023
- Vehicle Replacement Grants
  - Contacted applicants whose projects are still outstanding
  - May re-open several funding categories in 2023

#### **MEA – Mike Jones**

- FY 2023 EVSE Rebate Program funding was depleted by 11/30/22. Will continue to accept & hold applications for EVSE rebates.
- Clean Fuels Incentive Program (CFIP) received 11 applications, of which 8 are for Electric Vehicles. Potential for second round of applications.
- Clean Fuels Technical Assistance (CFTA) Program received 3 applications by 12/31/22 due date.

Audience question about State’s Excise Tax Credit for PHEVs (which will go into effect 7/1/2023) and definition of “base purchase price” for qualifying for the tax credit. - - MVA is in the process of defining “base purchase price” and expects to release educational material to dealers.

#### **MDP – Bihui, Xi**

- Working with MDOT on a short article about the new EV parking signage standard.

#### **DGS – Emily Soontornsaratool**

- There are 18 active projects across the state and state agencies including DPSCS, MDH DMIL, MDOT MVA and DGS owned. These will collectively add 59 level 2 charging stations / 118 charging ports. Future projects are being planned with DHCD, DJS, DGS, DPSCS and MDH.

#### **Closing Remarks**

- New ZEEVIC appointments will wait for a new Governor Appointments process.

**Next ZEEVIC Meeting**

**March 8, 2023**