

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

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**Meeting Date:** September 15, 2021

**Meeting Location:** Phone/Webinar and MDOT HQ

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

- R. Earl Lewis, Jr. (MDOT), ZEEVIC Chair
- Joe Alfred (Ally Power)
- Delegate Tony Bridges (MD Assembly)
- Liam Davis (Baltimore City/MACO)
- Kristy Fleischmann-Groncki (BGE)
- Nina Forsythe (City of Frostburg/MML)
- Delegate David Fraser Hidalgo (MD Assembly)
- Mike Jones (MEA)
- Kevin Miller (ChargePoint)
- Kevin Mosier (PSC)
- Jeff Shaw (SMECO)
- Elvia Thompson (Annapolis Green)
- Paul Verchinski (Public Representative)
- Michael Wall (Clinton Electric)
- Bob Wimmer (Toyota)
- Bihui Xu (MDP)
- Weston Young (Worcester County/MACO)

**ZEEVIC Member Alternates:**

- Tim Shepherd (MDE)
- Timothy Bugh (Pepco)

**Other Presenters:**

- Efon Epanty (Prince George's County)
- James Turner (Prince George's County)
- Emanuel Wagner (Palamedes Strategies)
- Neil Keating (First Energy)
- Emily Soontornsaratool (DGS)

**Staff:**

- Virginia Burke (MDOT)
- Dan Janousek (MDOT)
- Haley Erickson (ICF supporting MDOT)
- Carrie Giles (ICF supporting MDOT)
- Rebecca Bankard (Baker supporting MDOT)

**Welcome and Announcements**

- MDOT Deputy Secretary, R. Earl Lewis, Jr. welcomed all meeting participants.
- David Lapp, Office of the People's Council, will become a ZEEVIC member on October 1, 2021.
- MDOT Deputy Secretary, R. Earl Lewis, Jr. has been asked to sign joint letter of support to Congressional delegation to support zero-emission buses. The letter will be shared when final.

**Prince George's County Battery Electric Buses (BEBs)**

- Prince George's County has received the following funding for BEBs and electric vehicle supply equipment (EVSE):
  - Federal Transit Administration (FTA) Low or No Emission Vehicle Grant Program:
    - \$2.2 million in fiscal year (FY) 2019 for the purchase of 4 BEBs and electric vehicle supply equipment (EVSE); and,
    - \$5.1 million in FY 2021 to purchase 4 BEBs, 3 EVSEs, and 1 pantograph charger.
  - \$2.4 million from the Volkswagen Mitigation fund to purchase 8 BEBs.



- Prince George’s County Department of Public Works and Transportation (DPW&T) is leasing 4 batteries from Proterra. Proterra will replace batteries every 6 years of service.
- The County is seeking additional funding through Bipartisan Infrastructure Investment and Jobs Act for BEBs, EVSE, and facility retrofitting costs.
- The County is designing and building a charging system for BEB use, including:
  - Construction, drainage, and lighting enhancements;
  - EVSE installation;
  - Multi-dispenser charging system;
  - Upgrading the facility transformer to accommodate a larger electricity load; and,
  - Future proofing facilities for a growing electric fleet.
- The County noted that the largest operational constraints encountered are time and funding.
- Buses will only operate along specific routes until EVSE infrastructure is more widespread.

### Hydrogen Fuel Cell Infrastructure Market Development Update

- Hydrogen stations are now able to fully fuel 290 cars per day.
- Station costs have decreased from \$1.6 million per station to \$1 million per station.
- Fuel cell electric vehicle (FCEV) sales have been increasing from 2016 to 2021.
- 90% of hydrogen dispensed in CA for transportation is renewably sourced due to CA’s low carbon fuel standards (LCFS) program.
- In Maryland, and across the United States, there is stronger policy support for electric vehicles than for FCEVs.
- Policy recommendations for Maryland:
  - Develop LCFS that encourages investment in renewable fuel pathways
  - Rate base hydrogen infrastructure for gas utilities
  - Create tax credits for hydrogen infrastructure, remove sales tax from hydrogen fuel, and waive excise taxes for ZEVs
  - Incentivize renewable hydrogen production with tax credits or renewable energy standards
  - Incorporate hydrogen and long-duration energy storage in state energy planning
  - Adopt FCEV bulk purchase programs
- Developing zero-emission hydrogen depends on lifecycle decarbonization.

### Social Media, Maryland EV, and Outreach Updates

- The [Maryland EV Journey](#) is getting good traffic. Please continue to share this resource.
- National Drive Electric Week Events:
  - September 18<sup>th</sup> – Poolesville
  - September 25<sup>th</sup> – Frostburg and Clarksville
  - September 26<sup>th</sup> – Annapolis

### 2021 Annual Report

- ZEEVIC members will be asked to provide information to be incorporated into the 2021 ZEEVIC Annual Report. ZEEVIC member organizations are asked to share program information, accomplishments, and outreach activities.
- Deadlines associated with the preparation of the Annual Report:

Date	Task
October 1 <sup>st</sup>	ZEEVIC Member Text Due
October 31 <sup>st</sup>	Program Numbers Cutoff
November 5 <sup>th</sup>	Program Numbers Due
December 1 <sup>st</sup>	Report Due

### Utility Updates

- Utilities were required to submit Mid-Course Reports on September 15<sup>th</sup>. Reports are located in the [PSC Docket Case Number 9478](#) and include program numbers and suggested program changes.
  - Pilot Program Mid-Course Hearing is on October 13<sup>th</sup>. Comments are due on October 6<sup>th</sup>.
  - BGE Pilot Program Requests
    - Increase education and outreach budget from 5% to 10%.
    - Residential Program – Requested Changes
      - BGE requests 2,500 additional rebates plus implementation costs.
      - Low-income customers receive an additional \$1,000 rebate.
      - Restructure rebates so customers receive \$300 upfront then \$50 annual credits for enrolling in a TOU rate or charging off-peak 90% of the time.
    - Multifamily Program – Requested Changes
      - Allow BGE to install and operate 100 additional Level 2 EVSE on multifamily properties.
      - Increase multifamily rebate to \$30,000 per site for 2 DC fast EVSE (\$15,000 per DC fast EVSE).
      - Allow tenants a 25% discount for using BGE’s public DC fast EVSE.
      - Provide 1 EV and 1 Level 2 EVSDE at 15 multifamily properties for limited-income customers.
    - Public Program – Requested Changes
      - Create a maintenance contract with Greenlots to provide 98% uptime for BGE’s public charging network for the remaining 2.5 years.
      - Change Level 2 and DC fast EVSE ratio from 80:20 to 60:40.
      - Purchase 100 150kW DC fast EVSE (instead of 50kW).
    - Fleet and Workplace Program – Requested Changes
      - Develop a fleet calculator on BGE’s website.
      - Provide a 50% rebate for Level 2 EVSE, up to \$5,000 per port and \$30,000 per site.
      - Complete 100 technical assessments for fleets in Maryland.
      - Convene a working group to develop fleet EV programs.
  - Potomac Edison Pilot Program Requests
    - Residential Program – Requested Changes
      - Increase education and outreach budget from 5% to 10%.
      - Utilize the Residential Off-Bill Credit program in lieu of an EV-only time-of-use (TOU) rate or increase the budget to reflect implementation of an EV-only TOU rate.
    - Multifamily Program – Requested Changes
      - Install utility-owned Level 2 EVSE at multifamily locations.
    - Public Program – Requested Changes

- Install Level 2 EVSE on gated government properties (e.g., public parks).
    - Co-term EV pilot and storage pilot project at Urbana Park and Ride.
  - Fleet and Workplace Program – Requested Changes
    - Convene a work group to develop fleet EV programs.
- SMECO
  - Allow public facing Level 2 EVSE to be located on property that closes to the public at night.
  - Expand SMECO’s ability to install stronger DC fast EVSE.
  - Future Programs:
    - Submit a filing to develop programs to implement residential and multifamily rebates for EVSE
- PHI
  - Increase education and outreach budget from 5% to 10%.
  - Fleet and workplace Program – Requested Changes
    - Convene a work group to develop fleet EV programs.
  - PHI is hosting Power in the Park to promote EVs.
- Deputy Secretary reviewed draft letter of support to be submitted to the PSC on behalf of ZEEVIC.

### State Agency Updates

- MDE
  - Volkswagen (VW) Settlement EVSE Grants:
    - On August 26<sup>th</sup> the Governor’s Office issued press release regarding announcement of awardees for the 1<sup>st</sup> round of funding.
    - MDE and MEA are accepting comments on VW EVSE Grant Program until September 30<sup>th</sup>.
    - Round 2 of funding expected to open in late November or early December.
- MEA
  - EVSE Rebate Program FY22
    - MEA has processed \$295,000 worth of rebates, totaling 311 EVSE
  - Clean Fuels Incentive Program
    - FY 2022 program opened on September 1<sup>st</sup> and will close on December 31<sup>st</sup>.
    - FY 2022 program is focused on vehicles. Awards of up to \$80,000 per vehicle for medium- and heavy-duty EVs
    - Equity is now included in application evaluation criteria.
  - Clean Fuels Technical Assistance Program
    - Anne Arundel County final report is almost done and will be posted on the MEA website.
- DGS
  - 16 EVSE projects are in the design or construction phase.
  - DGS has completed 21 charging ports at 6 sites.
  - 27 state agencies have submitted requests for EVs.

### Closing Remarks

- The next ZEEVIC meeting is scheduled for November 17, 2021. The meeting is expected to be held in a hybrid meeting format again (online and in-person at the MDOT building).