Zero Emission Electric Vehicle Infrastructure Council (ZEEVIC) September Meeting

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 18th – Poolesville
  - September 25th – Frostburg and Clarksville
  - September 26th – 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:
<table>
<thead>
<tr>
<th>Date</th>
<th>Task</th>
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<tbody>
<tr>
<td>October 1st</td>
<td>ZEEVIC Member Text Due</td>
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<tr>
<td>October 31st</td>
<td>Program Numbers Cutoff</td>
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<tr>
<td>November 5th</td>
<td>Program Numbers Due</td>
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<tr>
<td>December 1st</td>
<td>Report Due</td>
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**Utility Updates**

- Utilities were required to submit Mid-Course Reports on September 15\(^\text{th}\). 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\(^\text{th}\). Comments are due on October 6\(^\text{th}\).
  - BGE Pilot Program Requests
    - 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 26th the Governor’s Office issued press release regarding announcement of awardees for the 1st round of funding.
    - MDE and MEA are accepting comments on VW EVSE Grant Program until September 30th.
    - 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 1st and will close on December 31st.
    - 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).