

Zero Emission Electric Vehicle Infrastructure Council (ZEEVIC) July Meeting

Meeting Date: July 19, 2022

Time: 3:00 - 5:00 PM

Meeting Location: Phone/Webinar and MDOT HQ

ZEEVIC Members/Appointed Representatives in Attendance:

- R. Earl Lewis, Jr. (MDOT), ZEEVIC Chair
- Joe Alfred (Ally Power)
- David Edmondson (City of Frederick/MML)
- Kristy Fleischmann-Groncki (BGE)
- Nina Forsythe (City of Frostburg/MML)
- Quiera Harris (Parking Authority Baltimore City/MACO)
- Mike Jones (MEA)
- Elvia Thompson (Annapolis Green)
- Paul Verchinsky (Public)
- Mike Wall (Clinton Electric)
- Scott Wilson (EVADC)
- Robert Wimmer (TMNA)
- Bihui Xu (MDP)
- Weston Young (Worcester Co/MACO)

ZEEVIC Member Alternates:

- Joey Chen (PSC)
- Wade Haerle (Commerce)
- Fred Hoover (OPC)
- Brianne Jordan (PHI)
- Ben Kessler (Chargepoint)
- Tim Shepherd (MDE)

Other Presenters

- Amanda Best (PSC)
- Brian Booher (Montgomery County)
- Richard Moore (Connected DMV)
- Neal Keating (Potomac Edison)

Staff:

- Virginia Burke (MDOT)
- Dan Janousek (MDOT)
- Rebecca Bankard (MDOT, Baker)
- David Proctor (Sharp & Co., supporting MDOT)
- Leo Sawada (Jacobs, supporting MDOT)
- Nadiya Kutishcheva (Sharp & Co., supporting MDOT)
- Sophia Cortazzo (MDOT)

Announcements

- Federal Electric Vehicle Working Group (EVWG)– ZEEVIC Member Paul Verchinsky is nominated for appointment to the EVWG, established by the Infrastructure Investment and Jobs Act (IIJA). Membership of the EVWG will be 25 members representing federal and non-federal stakeholders: <https://driveelectric.gov/files/ev-working-group-charter.pdf>
- Alternative Fuel Corridor (AFC) Round 6 Designations – Four corridors nominated by MDOT in response to the FHWA’s request for nominations were designated:
 - MD 200/Intercounty Connector was designated a ‘Pending’ Electric Vehicle AFC
 - I-95, I-495 and I-695 were designated ‘Pending’ Hydrogen AFCs.
- HOV Sunset – On September 30, 2022, eligibility will sunset for Electric Vehicles to use HOV lanes. Prior to the sunset date, EVs are able to use HOV lanes if they display a permit issued by the MVA.

- Training for the EV Future –ChargePoint and the National Electrical Contractors Association (NECA) are launching a partnership to train electrical contractors on installing EV charging infrastructure.

Public Comments

- None

Montgomery County EV Purchasing Cooperative

montgomerycountymd.gov/zev

Brian Booher, Montgomery County Department of Environmental Protection

- Program Overview
 - The program came out of 2021 Climate Action Plan Emissions reduction goals (80% by 2027 and 100% by 2035). On-road transportation accounts for 36% of emissions. Emissions to be reduced by:
 - Reducing Vehicle Miles Traveled: Encouraging greater use of transit, cycling and shared mobility options
 - Electrifying public transportation and the County vehicle fleet
 - Supporting a transition to zero-emissions vehicles (ZEV) for residents and businesses
 - EV Purchasing Co-op offers residents and businesses:
 - Negotiated discounts on new and pre-owned vehicles
 - Improve EV purchasing process. Education and information to help you buy an EV, find public charging, install charging, and get incentives.
 - Events where you can experience EVs and learn from experts
 - Electrified Dealership Network of knowledgeable, enthusiastic local dealers
- EV Pledge: Challenging residents and businesses to pledge to make their next vehicle electric. Deals offered are not limited to people who have taken the pledge. Over 1,000 residents took the pledge by May 31.
 - Non-County residents are welcome to take the pledge.
- Electrified Dealer Network: Provides local dealers training on EV technology, promotion on County’s website, coordination with County for promotional events, sales leads from EV pledges.
 - Dealerships are currently able to sell actively at full price but will be ready to use the promotions when appropriate.
 - 25 locations representing 15 auto brands
- Continued goals:
 - Promote and grow pledges
 - Expand education and events
 - Build relationships and evaluate purchasing options w/ dealerships and manufacturers
 - Secure and promote regular deals from dealer partners
 - Continue to organize events and education
 - Explore ways to expand Co-op to neighboring regions
- Montgomery County EV Purchasing Cooperative first program of its kind in the state, collaborating with EVADC and Poolesville Green on Poolesville Day Event

National Capital Hydrogen Center – Hydrogen Green Print

<https://www.connecteddmv.org/hydrogen>

Richard Moore, Vice President of Climate & Energy, Connected DMV

- Program Overview
 - Thinktank/“Do Tank” consisting of representatives from government, academic, industry, community
 - Develop Hydrogen Energy solutions to promote regional economic renewal and social equity
- Key projects:
 - DMV Hydrogen Green Print – Completed – see: [connecteddmv.org/hydrogen](https://www.connecteddmv.org/hydrogen)
 - Assessment of how much hydrogen could be produced and consumed in area, proposed locations, policy resources
 - Conclusion: Results could deliver immediate impacts. Plan promotes results by 2030 - Over 2 million metric tons of CO2 evaded, 9000 cumulative jobs created, economic tax revenue, societal cost reduction
 - H2DMV – Multi project program
 - Focus on area’s hydrogen production resources (i.e. solar, wind, natural gas, landfills)
 - Use of hydrogen in focus areas - Regional Airports/Maritime Ports, Regional Commercial and Public Surface Transportation, Resilient Power
 - Promote Hydrogen can be a source of power to support EV Charging
 - Focus is on clean hydrogen (produced with renewable energy). A calculation is performed to assess carbon intensity as measure of a clean hydrogen.
 - Focus is promoting hydrogen in places where battery electric model is operationally/financially not appropriate. For instance, long haul trucking.

PSC PC 44 EV Workgroup

<https://www.psc.state.md.us/transforming-marylands-electric-grid-pc44/>

Amanda Best, Public Service Commission

Updates from Subgroups formed by PSC Order 90036, under PSC PC 44:

Fleet Subgroup	<ul style="list-style-type: none"> • Subgroup met 5 times between 3/1/22 and 6/28/22 • Discussed support for fleet electrification, fleet studies, EV transition planning, challenges and opportunities for fleets, hydrogen and electric fueling stations, state programs, programs in other states, and private financing for fleets. • Filed final fleet proposal from BGE, Pepco, and Delmarva on 6/30 • Will be reviewed at Commission Administrative Meeting (7/27) 				
		BGE	Pepco	Delmarva	Total
	Fleet Assessments	50	35	15	100
	Make-Ready Incentives	100	70	30	200
	EVSE Incentives	100	70	30	200
	Total	250	175	75	500

Reliability Subgroup	<ul style="list-style-type: none"> • Work group met 4 times between 2/10/22 and 7/6/22 to discuss reliability standards and utility reporting • Discussed the limited number of existing standards in other states, available data from utilities in the pilot, and potential ways to calculate uptime and reliability • Finalizing interim work group report for filing before August 1 recommending reliability reporting begin in February 2023 • The group will make recommendations based on federal standards set in fall 2022
EV Metering	<ul style="list-style-type: none"> • Subgroup met 3 times between 2/9/22 and 6/9/22 • Reviewed testing regulations for submeters after initial pilot programs are completed • Discussed the COMAR waivers approved for Pilot, EVSE requirements in Handbook 44, draft straw proposal, and metering standards for utilities and EV meters • An updated straw proposal was circulated to the Subgroup on 7/5 with the next meeting 8/9. • A final report is due 12/31/23
Rate Design	<ul style="list-style-type: none"> • Work group met 3 times between 3/10/22 and 4/28/22 to continue discussions on commercial EV rate design • Reviewed what other states/utilities groups are doing throughout the country. Picked Arizona Public Service Company Rate Rider for DCFC (Fast Charging) to use as template for potential MD rate for Commission consideration • The utilities and EV charging companies are working together to finalize a rate proposal for the work group’s review at a future meeting • Goal of filing a final proposal with Commission in 2022
Make-Ready, Carshare, Charging + Other Technologies	<ul style="list-style-type: none"> • Work group met 3 times between 3/17/22 and 7/11/22 to the combined topics of make-ready, carshare programs, pairing EV charging with other technologies (i.e. Solar, Battery Storage), and Pilot education and outreach • Interest expressed potentially pursuing proposals for the topics above, but not enough consensus to do so prior to pilot ending • Will wrap these issues into discussions to begin later this year on what’s next after the Pilot and file status report with Commission by August 1

Maryland State Plan for NEVI Formula Funding Deployment

<https://evplan.mdot.maryland.gov/>

Dan Janousek, MDOT

Rebecca Bankard, Michael Baker International

Program Overview

- ZEVIP (Maryland Zero Emission Vehicle Infrastructure Plan) - Provides funding for the installation of new and upgraded electric vehicle charging equipment infrastructure along priority corridors.
- NEVI (National Electric Vehicle Infrastructure) – Program detailing use of funding.
 Available Online: <https://evplan.mdot.maryland.gov/>
 - Submitted to FHWA (Federal Highway Administration)
 - Required by 8/1/22. Submitted to joint office July 15, 2022.
 - Plan approval is expected by end of September 2022.
 - Distributes \$60 million in MD



- Short Term Focus - Grants for alternative fuel corridors (AFCs), DC Fast chargers
 - 40-45 Sites to build out AFCs, \$350K - \$1 Million Per Site
- Long Term Focus – Community charging with a focus on rural and disadvantaged communities

Maryland ZEVIP Planning Toolkit

- Identify priority charging station locations
- Scoring based on
 - GIS Based Maryland Site Information Tool
<https://storymaps.arcgis.com/stories/b83f23cdf1e349a8bd314c9eaf647c73>
 - Other considerations: area resiliency, nearby amenities, utility providers, grid capacity, innovations (solar, storage, mobile charging), cost, greater deployment efforts

Outreach / Stakeholder Engagement to Date

- Website (<https://evplan.mdot.maryland.gov/>)
 - 2,070 Page Views | 987 Unique Visitors
 - Maryland EV | ZEEVIC StoryMap | Maryland EV Journey
- MetroQuest Survey
 - 293 Participants
- Webinars
 - 3 Webinars | Over 300 Participants
 - All Webinar Polling Summarized on ZEVIP Website
- Presentations
 - ZEEVIC | Commuter Choice Maryland | MPOs | Council of Governments | Non-Profits

Continuing Outreach

- Public Feedback
 - ZEEVIC Website | ZEVIP Toolkit | NEVI Plan | Program
- Maryland ZEVIP Planning Toolkit
 - Maryland Location-Based Overview
 - Maryland Site Information Tool
 - Corridor & Community Charging
- Targeted Stakeholder Outreach
- ZEEVIC Outreach Activities

ZEEVIC Member Organization Updates - State Agency Updates

MD Dept of Environment (MDE) – Tim Shepherd

- Volkswagen Settlement - EVSE Infrastructure Grant Program
 - Phase II
 - Currently in final stages of review process
 - Hope to make announcements in August
 - MDE received 77 proposals (47 ECGP, 30 CAGP)
 - Approx. \$12.6 million in total requested funds
 - Observations:

- Much better geographic distribution than Round 1(particularly east and west)
 - Power levels are higher than Round 1
- Multi-State Medium- and Heavy-Duty Zero Emission Vehicle (MHD ZEV) Action Plan
 - Action Plan finalized, approved by Governor’s Office, to be released 7/27/22

MD Energy Administration (MEA) – Mike Jones

- EVSE Rebate Program
 - FY23 funding open, now catching up with demand for FY22 funds, which were exhausted in April, 2022.
 - \$400K worth of applications in the queue.
- Clean Fuels Incentive Program (CFIP)
 - FY22 Round 2- 4 awards totaling \$3.9M
 - Chaney Enterprises- \$900K to purchase and deploy 6 electric concrete-mixer trucks at 3 locations in Anne Arundel and Prince George’s County.
 - Sysco- \$1.5M to purchase and deploy 10 Class 8 electric tractors in Jessup, company’s first such deployment on East Coast.
- Clean Fuels Technical Assistance (CFTA) Program
 - Announced on 6/6, application period opened on 6/20.
 - No applications received to date.

ZEEVIC Member Organization Updates – Local Outreach Organizations

EVADC – Scott Wilson

- Events
 - Jan: *DC Auto Show*. We used to be the only EV’s in the building. No more! EVADC offered volunteer support for PHI EV Smart
 - Mar: *MoCo Go Electric!* Worked with Annapolis Green
 - April: *Drive Electric Earth Day*. Members displayed cars at:
 - Einstein HS, Kensington, Sherwood HS, Sandy Spring
 - Kick Gas in Annapolis, helping Annapolis Green
 - MoCo GreenFest, helping Poolesville Green
 - Rockville Science Day, Olney Days Parade
 - Sept: *National Drive Electric Week*.
 - Poolesville Day, helping Poolesville Green
 - Kick Gas in Annapolis, helping Annapolis Green
 - Smaller, local farm markets, others
- Ongoing Efforts
 - Promotion of Montgomery County EV Purchasing Co-op
 - Brought member EV’s to FeBREWary breweries to supplement MoCo DEP table.
 - Made a series of “**EV Charger of the Week**” videos, focused on Montgomery County.
 - <https://youtube.com/playlist?list=PLffuhWGR229BXk8Y2nGsT3fD5FPs6wz-F>
 - Public **Ask An EV Owner** monthly zoom meeting. Would an EV work for me? What should I buy? How will I charge it? <https://evadc.wildapricot.org/Ask>
 - Our famous **EV Info Sheet!** Now there’s room only for EV’s. We’re no longer updating plug-in hybrids. <https://evadc.wildapricot.org/EVInfo>

Annapolis Green – Elvia Thompson

- Outreach Events Update
 - National Driver Electric Week Event in partnership with EVADC, BGE
 - Ongoing - EV Overview /Climate Change Chats at Libraries, Organizations
 - Earth Day 2022 - Annapolis West Street EV Showcase Event with Local Businesses
 - September 2022 - Annapolis Town Center Event in partnership with EVADC
 - October 2022 – National Drive Electric Show

MarylandEV and Outreach Updates – David Proctor

- New outreach items: Booth, banners, postcard handout
- 2022 Outreach Events
 - 7/9/22 – Baltimore Washington One Carnival – 1,200 Interactions
 - 7/23/22 – Washington County Fair
 - 8/20/22 – Wicomico County Fair
 - 9/10/22 – Cumberland Heritage Days (Potential Event)
 - 9/17/22 – Westminster Maryland Wine Festival (Potential Event)
 - 9/24/22 – Leonardtown St Mary’s County Fair (Potential Event)
- Organic and Paid Social Media – Two active ads geofenced for outreach event attendees

Utility Updates

<p>BGE Kristy Fleischmann- Groncki</p>	<p>EVSE Pilot Program Update</p> <ul style="list-style-type: none"> • Residential: 1,931 • Multifamily: 170 ports • Public: 217 live, 216 in progress • TOU Rate: 1,038 participants 	<p>Events & Outreach</p> <ul style="list-style-type: none"> • 25 EVs for Lyft delivered and available to rent • Planning a Lyft event in Johnston Square – tentatively Oct 7th • Maryland Zoo – ZooBOOO October 29-30th • Drive Electric Week events – Sept/Oct
<p>PHI Brienne Jordan</p>	<p>EVSE Update</p> <ul style="list-style-type: none"> • Residential Rebate Pepco MD: 750 / DPL MD: 74 • R-PIV TOU Rate Pepco MD: 346 / DPL MD: 6 • Residential Plug-in Vehicle TOU (PIV) Pepco MD: 15 & 42 Applications DPL MD: 2 & 5 Applications • Multi-Dwelling (MDU) Incentive Pepco MD: 14 & 13 Applications DPL MD: 0 & 5 Applications • Off Peak/Off Bill Rebate Pepco MD: 250 / DPL MD: 38 	<p>Events & Outreach</p> <ul style="list-style-type: none"> • Wicomico County Fair – Aug 19th-21st • National Drive Electric Week - Poolesville Day Event – Sept 17th

<p>SMECO <i>Chair read from slide</i></p>	<p>EVSE Pilot Program Update</p> <ul style="list-style-type: none"> • 27 EVSE Installed (24 Level 2, 3 DC Fast) • Launched whole-house TOU rates in February 	<p>Events & Outreach</p> <ul style="list-style-type: none"> • EV Meet & Greet on May 14th at LaPlata's Farmer's Market • Working on October event
<p>Potomac Edison Neil Keating</p>	<p>EVSE Pilot Program Update</p> <ul style="list-style-type: none"> • Residential Rebates: 291 • Multifamily: 6 • Public: 21 Level 2, 8 DC Fast • TOU Rate: 463 participants 	<p>Events & Outreach</p> <ul style="list-style-type: none"> • MUD Ribbon Cutting on July 23, 2022 • EV Charging Webinars with EVA and MMHA on August 10, September 28, and November 9, 2022 • Sponsoring Poolesville Day National Drive Electric Event on September 17, 2022

Next ZEEVIC Meeting
September 22, 2022
2:00 – 4:00 PM
(subject to change)