



MARYLAND ZERO EMISSION

Electric Vehicle Infrastructure Council

#MarylandEV

Meeting Date: July 18, 2019

Meeting Location: Harry Hughes Conference Room, MDOT Headquarters, Hanover, MD

Attendees:

Virginia Burke (MDOT TSO)
Ira Dorfman (GWRCC)
Dr. Andrew Farkas (Morgan State University)
Kristy Fleischmann Groncki (BGE)
Carrie Giles (ICF)
Anne Grealy (First Energy)
Lenny Hartman (Citizen)
Neil Keating (First Energy)
Senator Clarence Lam (MD Assembly)
Frank Lee (Baltimore City)
Dept. Secretary R. Earl Lewis, Jr. (MDOT TSO)
Justin Mabrey (MDE)
Natalia Mathura (Pepco)
Kevin Mizer (First Energy)
Kevin Mosier (PSC)
Colin Murchie (EVGO)
Lezeal Rorie (SMECO)
Colleen Turner (MDOT TSO)
Michael Wall (Clinton Electric)
Tim Wilke (MDOT TSO)

By Phone:

Erica Bannerman (Prince George's County)
Leah Boggs (MWCOG)
Joey Chen (PSC)
John Fiastro (Greenwill Consulting Group)
Mark Howard (MDOT SHA)
Mike Jones (MEA)
Eddie Pounds (Global Automakers)
Denise Sarchiapone (KCI Technologies)
Dave Schatz (ChargePoint)
Terri Tabesh (MDOT SHA)
Jeff Tosi (MDOT TSO)
Paul Verchinski (Public Representative)
Denise Rayborn Wickersham (NREL)
Scott Wilson (EVA DC)
Weston Young (MACO)
Mikhail Raykher (OPC)

Welcome, Announcements, and Introductions

MDOT Deputy Secretary, R. Earl Lewis, Jr., welcomed all meeting participants.

- First meeting of ZEEVIC – the Zero Emission Electric Vehicle Infrastructure Council.
 - Meetings will be 2.5 hours moving forward.
 - Hydrogen representatives will join ZEEVIC in the coming months.
 - Britta Gross is no longer with GM, and we are expecting a replacement representative from GM in the coming months.

- Over 20,700 EVs registered in Maryland at the end of June 2019.
- 1,898 charging units are now located in Maryland.
- MDOT's excise tax credit rebate has been depleted for the fiscal year (FY 2020).
- Four new EVSEs are now operational at MDOT, with signage in process.

Public Comments

- Colin Murchie (EVGo) – Asked for more transparency in the Volkswagen Appendix D funding process for EVSEs.
- Ira Dorfman (GWRCC) – Ira is working with MWCOG and the Metropolitan Washington Airports Authority to install EV infrastructure at National and Dulles airports, per request from ride-sharing drivers. Hopes to include BWI in the conversations moving forward.
 - The Fuel Cell & Hydrogen Energy Association is on the GWRCC board of directors. They are planning an educational, ride-and-drive event for legislators in October at the US Capital Visitors Center.

ZEEVIC Updates

- ZEEVIC (effective July 1, 2019) was established under Maryland House Bill [1246](#), 2019.
 - Changed EVIC's name to "Zero Emission Electric Vehicle Infrastructure Council" (ZEEVIC).
 - New ZEEVIC representatives to be appointed by the Governor:
 - One representative of manufacturers of Fuel Cell Electric Vehicles (FCEVs); and
 - One representative of a manufacturer of FCEV infrastructure equipment.
 - ZEEVIC shall:
 - Add Hydrogen (FCEV) refueling to all existing efforts;
 - Develop model procurement practices for light-duty vehicles (LDVs) that include an evaluation of the vehicle lifecycle costs inclusive of estimated fuel cost over the anticipated life of the vehicle; and
 - Deliver an interim report on December 1, 2019 and the final report on June 30, 2020.
 - Website and logo updates will be included as part of the ZEEVIC changes coming soon.

Working Group Updates

Legislative

Chair: Dave Schatz (ChargePoint)

- The Working Group will reconvene in August and discuss:
 - Education and outreach for the Senate Judicial Proceedings Committee ahead of the 2020 Session.
 - Possible legislative topics to consider including the right to charge, EV ready building codes, EV/EVSE tax credits/rebates, e-bikes, e-scooters, and the reauthorization/extension of ZEEVIC.
- Howard County update from Mike Wall
 - Council Bill 37, 2019 will require prewiring in residential and multi-unit dwelling garages.
 - The King's Contrivance-Stoneybrook community moved forward with allowing EVSEs on HOA property, however upon Howard County inspection they were told they need

redline site drawings from engineers for any EVSE installation on HOA property. Mike is working with the County to change this requirement.

Communications

- Colleen Turner provided the communications update on MarylandEV.org efforts
 - ICF and Sharp & Company are working to support ZEEVIC with events, outreach, and website updates.
 - 2019 Scheduled MDEV Outreach Events:

Maryland EV Events	Location	Expected Attendance	Date	Time
World Heritage Festival	West Shore Park 401 Light Street Baltimore, MD	4,500	7/20/19	11AM-6PM
Festival Latino de Maryland	Timonium Fairgrounds 2200 York Avenue Timonium, MD		8/4/19	10AM-9PM
Latin Heritage Festival	Veterans Plaza Silver Spring, MD	5,000	8/11/19	2-8PM
Caribbean Food and Wine Festival	Howard County Fairgrounds 2210 Fairgrounds Road West Friendship, MD	12,000	9/7/19	1-8PM
Hagerstown Hispanic 13th Annual Festival	Hagerstown Fairgrounds		9/15/19	12-6PM
42nd Annual Korean Festival	Howard County Fairgrounds 2210 Fairgrounds Road West Friendship, MD	50,000	9/21/19	10AM-7PM
Howard County Diwali Festival (IONHoCo Diwali Mela 2019)	Meadowbrook Athletic Club 5001 Meadowbrook Lane, Ellicott City, MD 21043	5,000	10/20/19	6-10PM

- Social media campaign is beginning and is starting to drive attendance to the website and events.
 - ZEEVIC organizations will use **#MarylandEV** for EV event posts on social media.
- Interactive maps on the website show past and future events.
 - National Drive Electric Week events are coming up as well.
- The Maryland Association of Counties (MACo) Summer Conference is August 14-17. MEA and MDOT MVA both have booths and could coordinate to give out MDEV materials.
- Website Updates:
 - EVIC website for this group is located on MDOT’s website and will be updated to ZEEVIC.
 - MarylandEV.org is maintained by state agencies and BEVI. A Hydrogen 101 page has been added.
 - Analytics have shown an increase in website traffic beginning in June. Significant spikes in website traffic were seen in early/mid-July, coinciding with local media coverage of state and utility EV/EVSE programs. Referrals from third-party websites have also increased, including referrals from the new BGE, Pepco, and Delmarva Power websites.
- Summer Transportation Institute at Morgan State University included EVs to expose middle and high schoolers to transportation concepts and careers.

State Agency Updates

- MDOT
 - MDOT completed a publicly available charging infrastructure placement survey tool in MetroQuest.
 - COGs, counties, municipalities, and MPOs will be able to drop pins in a map to provide feedback for siting of EVSE and can note whether the location is government- or privately-owned.
 - Existing charging in the state is already mapped in the tool.
 - The MDOT Signage Plan is almost complete. All current signage locations, aside from Baltimore City, have been identified for the 21 Alternative Fuel Corridors in Maryland.
 - Signage is currently only going to be for DCFC, per FHA Alternative Fuel Corridor guidance. MDOT is following the Manual on Uniform Traffic Control Devices (MUTCD), which is going to be updated this fall at the federal level.
 - EVGo has seen that DCFC usage increases after signage is installed.
- MEA
 - The Maryland charger rebate program opened for the fiscal year (FY) on July 1, 2019.
 - 489 charging station apps (410 residential and 79 commercial) have been received totaling approximately \$495,000.
 - MEA charger rebates are exclusive of utility rebates.
 - The AFIP launched on July 15, 2019 for the DCFC and hydrogen fueling projects, and the application period closes on December 31, 2019.
 - Chargers must be open access.
 - No plan yet on how AFIP will coordinate with the Volkswagen Settlement awards.
- MDE
 - The application period closed for Volkswagen Settlement vehicle proposals (did not include infrastructure) on May 6, and MDE is working on verifying proposed emissions reductions.
 - 44 proposals were submitted for \$105M, although MDE only has \$75.7M in funds with \$11.3M earmarked for EV infrastructure.
 - Applications represent transit buses, airport ground equipment, school buses, and marine equipment, although some proposals may not meet eligibility requirements.
 - MDE is working with MEA on a plan to distribute the \$11.3M of funding for EVSE.

EVsmart Utility Marketing Tools

- EVsmart tools are available on the [BGE](#), [Pepco](#), and [Delmarva Power](#) websites
- Focus groups indicated that they wanted this one-stop-shop for rebates, tools, charging locations, and more.
 - Savings calculators are available to determine cost savings from driving an EV.
- There are currently 150-300 daily page views on the BGE website, which is expected to increase once advertising begins.
- MarylandEV.org website link is included by each utility.

PSC Order No. 88997

- Compliance filings were approved for the Exelon utilities and a compliance filing was received from Potomac Edison.
- SMECO has submitted a filing.
- These programs are a five-year pilot through December 2023.
 - BGE, Pepco, and Delmarva programs officially launched July 1, 2019.
 - The first wave of semi-annual reports is due August 1, 2019.

Closing Remarks

- The Maryland Committee on Climate Change is scheduled to issue their annual report in November 2019.
- The draft, Maryland Greenhouse Gas Reduction Act Plan (GGRA) Report, illustrating how the State will reach its goal of reducing greenhouse gas (GHG) reductions of 40 percent of 2006 emissions by 2030, is expected any day.
- The Transportation Climate Initiative (TCI) will hold its third workshop relating to the regional cap and invest policy on July 30, 2019, in Baltimore City. The focus of this workshop will be on investment strategies.

Next Meeting September 27, 2019

1:00 p.m. – 3:30 p.m. at MDOT

Harry Hughes Conference Rooms

***** NOTE THIS IS A CHANGE IN OUR EXISTING SCHEDULE*****