

Zero Emission Electric Vehicle Infrastructure Council

(ZEEVIC) September Meeting

Meeting Date: September 17, 2020

Meeting Location: Phone/Webinar

ZEEVIC Members/Appointed Representatives in Attendance:

- R. Earl Lewis, Jr. (MDOT TSO), ZEEVIC Chair
- Joe Alfred (API)
- David Edmondson (City of Frederick/MML)
- Kristy Fleischmann Groncki (BGE)
- Nina Forsythe (City of Frostburg/MML)
- Benjamin Grumbles (MDE)
- Mike Jones (MEA)
- Scott Tiffin, for Senator Clarence Lam (MD Assembly)
- Kevin Miller (ChargePoint)
- Robert Stewart (PEPCO)
- Jason Tai (Tai Ginsberg & Associates)
- Elvia Thompson (Annapolis Green)
- Paul Verchinski (Public Representative)
- Mike Wall (Clinton Electric)
- Scott Wilson (EVA DC)
- Bob Wimmer (Toyota)
- Bihui Xu (MDP)
- Weston Young (Worcester Co/MACO)

Other Attendees:

- Erica Bannerman (Prince George's County)
- Amanda Best (PSC)
- Leah Boggs (MWCOG)
- Quiera Bryant (Baltimore City Parking Authority)
- Alexis Cordea (Potomac Edison)
- Bob Erdman (EVA DC)
- Sevgi Erdogan (University of Maryland)
- Anne Grealy (First Energy)
- Jennifer Grisham (PHI)
- Lanny Hartman
- Virginia Hewitt (Green Lots)
- Joel Hurewitz
- Michael Hyland (SMECO)
- Babatunde Idrisu (MEA)
- Soham Joshi (DGS)
- Zach Kahn (Tesla)
- Neil Keating (First Energy)
- Andrea Lubawy (Toyota)
- Justin Mabrey (MDE)
- Michael O'Brien (API)
- Elissa Reineck (Howard County)
- Tim Shepherd (MDE)
- David Zamir (Clinton Electric)

MDOT Staff & Consultants in Attendance:

- Colleen Turner (MDOT TSO)
- Rebecca Bankard (Michael Baker)
- Daniel Boberek (Michael Baker)
- Virginia Burke (MDOT TSO)
- Haley Erickson (ICF)
- Carrie Giles (ICF)
- Jeff Hirsch (MDOT)
- David Proctor (Sharp & Co.)
- Terri Tabesh (MDOT SHA)
- Jeff Tosi (MDOT TSO)
- Corey Tsang (MDOT TSO)
- Ellie Simmons (MDOT MVA)

Welcome and Announcements

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

Introductions

- New ZEEVIC members were welcomed. The new appointees include Joe Alfred (API), David Edmondson (City of Frederick), Nina Forsythe (City of Frostburg), Jeff Shaw (SMECO), Jason Tai (Tai Ginsberg & Associates), and Bob Wimmer (Toyota Motor North America).

Public Comments

- Joel Hurewitz asked ZEEVIC to consider drafting model legislation that includes medium- and heavy-duty trucks in anti-ICEing regulations and the definition of a PEV.
- Paul Verchinski noted that Electrify America now charges users by kWh in eligible states.

Fuel Cell EV Market and Trends: Perspectives (see Meeting Presentation for additional detail)

- Bob Wimmer presented a Fuel Cell Electric Vehicle (FCEV) update from Toyota
 - Of the approximately 8,000 fuel cell EVs on the road, 6,000 of them are Toyota.
 - Most fuel cell EV infrastructure is in California. There are 42 existing stations, 22 under construction, and 120 pending award funding.
 - Station costs are declining as capacity increases.
 - Toyota is working with Kenworth and Shell on a Shore-to-Store ZANZEFF Project demonstrating heavy-duty fuel cell EV drayage applications.
 - Toyota is building 10 hydrogen stations in Boston and other areas in the Northeast.
- Joe Alfred presented a Fuel Cell Infrastructure update from Ally Power
 - Hydrogen stations are clustered in California, but Ally Power is interested in the development of cross-country corridors. Ideally, hydrogen fueling would be possible on 10 different corridors across the country.
 - Building medium- and heavy-duty hydrogen infrastructure first will make it easier to layer on passenger vehicle infrastructure in the future.
 - Ally Power is working to cut the price of hydrogen fuel in half, making it comparable to gasoline and reduce the pollution emitted during production.

Medium- and Heavy-Duty ZEV MOU

- MDOT, MDE, and MEA plan to kick off stakeholder engagement in the second half of October. This will solicit feedback about the best approach to accelerate market growth of medium- and heavy-duty ZEVs.
- The MOU, signed by 15 governors and DC, states a goal of 100% of sales are ZEVs by 2050.

Legislative Update

- The 2021 legislative session will start on January 13, 2021.
- ZEEVIC's priority will be the ZEV tax credit that did not pass in 2020.
- The EV-ready building code requirement from the IECC is under appeal.

Communications Working Group Update

- National Drive Electric Week (NDEV) is September 26 to October 4, 2020.
 - Annapolis Virtual Showcase is on October 1
 - Annapolis Recovery Zone Exhibition is on October 2



- EVADC Virtual Event is on October 4
- Additional events are available at the [National Drive Electric Week](#) website.
- MarylandEV.org Website
 - The incentives page was the top page visited from August 1 to August 31, 2020.
 - MarylandEV.org is being updated with new pages, local resources, and incentive changes.
- The MarylandEV Facebook page had 16 posts, 62 people interacting with posts, and reached a total of 202 people the past month.

State Agency Update

- MEA
 - MEA has processed approximately \$482,000 worth of EVSE rebates.
 - MEA opened the new [Clean Fuels Infrastructure Program](#) this month that provides funding for publicly available alternative fuel infrastructure and alternative fuel fleet vehicles.
- MDP
 - MDP is working with MDOT on the upcoming ZEV regional webinars
- MDOT
 - Regional, ZEV Local Outreach webinars have been scheduled; details are posted on the [ZEEVIC web site](#):
 - Western Region: October 6, 2020
 - Eastern Shore: October 7, 2020
 - Central Region: October 8, 2020.
 - As of 9/1/20, there are 26,299 EVs registered in Maryland.
- PSC
 - The PSC has reviewed all of the recent utility semi-annual reports.
 - PC44 is working on rate design. The next meeting will be scheduled after the PSC reviews the demand charge credit filing.
- MDE
 - MDE is accepting comments on two proposed frameworks for the next round of [Volkswagen Settlement funding](#). Comments will be accepted until October 12, 2020.
 - This round of funding is for EVSE installation at workplaces, state property, and corridors/hubs.
 - There will be two more rounds of funding in the future.

Utility Updates

- BGE
 - BGE is continuing to receive rebate applications.
- PHI
 - PHI completed construction at 2 locations in Delmarva service territory, in Salisbury and Betterton.
- Potomac Edison
 - Potomac Edison has completed the construction of two Level 2 EVSE, at Garrett College and Allegany College.
- SMECO
 - SMECO has completed the construction of a DC fast charger and Level 2 EVSE.

Closing Remarks

- The ZEEVIC Annual Report is due in December. Please review the 2019/2020 priorities and begin thinking about updates for Calendar Year 2021. Staff will be working to develop a draft report prior to our November ZEEVIC meeting.

Next ZEEVIC Meeting

November 19, 2020

2pm-4pm Webinar/Phone Call