

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

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**Meeting Date:** 07/24/2024

**Meeting Location:** Hybrid – Teams Meeting and MDOT HQ

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

- Lovaas, Deron (MDOT), ZEEVIC Chair
- Alfred, Joe (Ally Power)
- Amiel, Sari (Sierra Club)
- Bowis, John (Chevy Chase Automotive)
- Cohen, Joshua (SWTCH Energy)
- Edmondson, David (City of Frederick)
- Forsythe, Nina (City of Frostburg/MML)
- Ivey, Jolene (Prince George’s County Council/MACO)
- Kaltenbaugh, Ron (EVADC)
- Lopez, Diego (MEA)
- Mosier, Kevin (PSC)
- Powell, Ryan (Commerce)
- Shaw, Jeff (SMECO)
- Verchinski, Paul (Public)
- Wall, Michael (Clinton Electric)
- Wilson, Scott (EVADC)
- Wynne, Vincent (PEPCO)
- Xu, Bihui (MDP)
- Young, Weston (Worcester County/MACO)

**ZEEVIC Member Alternates:**

- Sharp, Korin (DGS)

**Other Presenters:**

- Bankard, Rebecca (MDOT/MBI)
- Conklin, Meghan (Maryland’s Chief Sustainability Officer)
- Gaines, Linda (Argonne National Laboratory)
- Hinh, Amanda (MDOT)
- Rinaldo, Angelina (Potomac Edison/First Energy)
- Tankou, Alexander (ICCT)

**Staff:**

- Burke, Virginia (MDOT)
- Cortazzo, Sophia (MDOT)
- Kamara, Hallimah (SensisConnect)
- Sawada, Leo (Jacobs)

**Welcome and Announcements**

Chair Lovaas welcomed attendees and opened with a statement regarding purpose of today discussion is to discuss electric vehicle batteries and recycling.

- New ZEEVIC Member was introduced. Emily Soontornsaratool, affiliated with Maryland Department of General Services (DGS) as the Secretary’s Designee.
- [Maryland By the Numbers](#): 108,584 Registered EVs in Maryland at the end of June.
- Maryland Department of General Services held a ribbon cutting for their 200<sup>th</sup> EV charging port at the Ellicott City District Courthouse and Multi-Service Center.



- Maryland Department of General Services was awarded 15 Electric Vehicle Adoption Leadership (EVAL) Gold Certification.
- MEA will be announcing awardees for the Medium and Heavy Duty (MHD) ZEV grant program, supporting purchase of qualifying zero-emission vehicles (ZEVs) and heavy equipment for commercial or industrial use.
- Join the Maryland Energy Administration (MEA) for a free upcoming Webinar series, Thursday, August 1st, 2024, from 2 PM – 3:30 PM, Tuesday, August 13<sup>th</sup>, from 10 AM – 11AM, and Thursday, August 29<sup>th</sup>, 9 AM – 10 AM.
- EVADC is holding multiple upcoming public events. Full schedule available [here](#).
- Climate Pollution Reduction Grant (CPRG) Award to the Clean Corridor Coalition, a multi-state coalition of NJ, CT, DE, and MD. The Award will allocate \$78 Million for 8 charging sites in Maryland for medium-and heavy-duty (MHD) zero emission vehicles (ZEVs) traveling along the I-95 freight corridor.
- NEVI Round 1 Conditional Awards issued on July 10<sup>th</sup>. 23 sites were selected spanning 15 counties, 130 new DCFC ports expected. Various sites are included such as travel centers, shopping malls, gas stations, and convenience stores. Project operations to begin in Fall 2025. Read Governor Moore’s press release about conditional awards [here](#).
- Three upcoming webinars about vehicle electrification in Maryland and the NEVI program were hosted in June. View the presentations and comprehensive Q&A [here](#).

#### Public Comments

- **Lanny Hartmann** – Asked if there were any updates on the Electric Corridors Grant Program Awards. Rachel Lamb responded by stating that MDE has been awarded two rounds. Some of the charging stations are already installed but most are still under construction. MDE plans to open a third round of funding later this year or early next year.
- **Diego Lopez**– provided a Maryland Clean Cities and Communities information link - <https://cleancities.energy.gov/coalitions/maryland> .

#### Executive Order on Implementing Maryland’s Climate Pollution Reduction Plan

##### Meghan Conklin, Maryland’s Chief Sustainability Officer

- Meghan Conklin addressed Governor Moore’s [Executive Order \(EO\)](#), issued June 4, 2024. The EO directs a whole-of-government approach to address climate change, including development of a Zero Emission Vehicle Infrastructure Plan and a new multi-agency strategy to build out Maryland’s vehicle charging infrastructure.

#### EV Batteries and Recycling

##### Linda Gaines, Argonne National Laboratory

- Argonne provides technical support to the Clean Cities program, through the US Department of Energy. Argonne also provides technical analysis and public information that can be accessed to help coalitions and other people to understand the implications of their decisions regarding EV’s.
- Linda Gaines presented challenges and opportunities associated with increasing use of lithium-ion batteries in EVs.

## **Is U.S. Battery Recycling Ready for Millions of EV's?**

### **Alexander Tankou, International Council on Clean Transportation (ICCT)**

- Alexander Tankou addressed the status of EV battery recycling in the U.S., to ask “Is U.S. Battery Recycling Ready for Millions of EV's?”
- ICCT prepared a report on the technical and economic feasibility of battery reuse and recycling. The report builds on ICCT modeling, literature review, and policy evaluation to provide insights on EV battery recycling in the US. The US federal government and a few US states have started introducing key policies to scale up battery recycling. EV Battery Recycling in the US is taking shape, but more needs to be done.
- Examples of policies States should consider include:
  - Extended Producer Responsibility (EPR) legislation to ensure end-of-life batteries get collected and eventually recycled
  - Requirements for Battery removability and dismantling
  - Traceability battery mechanisms and labeling/data sharing
  - Refining black mass into cathode materials

## **Utility Highlights**

### **Southern Maryland Electric Cooperative (SMECO)**

#### **Jeff Shaw**

- Jeff gave a brief overview and highlighted the updated number of SMECO recharge public chargers, multi-family dwelling chargers and residential charging programs.

### **Potomac Edison/First Energy**

#### **Angelina Rinaldo**

- Angelina gave a brief update on the EVSE pilot program including an updated count of the public EV chargers, residential rebates, utility owned multifamily chargers and EV-only TOU program.

### **PHI/PEPCO**

#### **Vincent Wynne (PHI/PEPCO)**

- Vincent gave a brief update about the public charging network installations running through 2025, along with the Smart Charge Management Program continuing through the end of 2024 and the Fleet Assessment Program running through September 2025. Vincent also gave an update on the updated count for installed chargers.
- Vincent spoke on behalf of BGE and mentioned that BGE presented a request for an expansion and extension for the smart charge management program.

## **Closing Remarks – Deron Lovaas, Chair**

- To receive ZEEVIC Meeting Notices, email: [ZEEVIC@mdot.maryland.gov](mailto:ZEEVIC@mdot.maryland.gov)

## **Upcoming ZEEVIC Meetings**

**October 23, 2024**

