



MARYLAND ZERO EMISSION

Electric Vehicle Infrastructure Council

March 17, 2021

Agenda

- Welcome and Announcements
- Public Comments
- Utility Pilot Program Updates and Discussion
- Fuel Cell Electric Vehicle Update
- State Agency Updates
- Communications Working Group Update
- Legislative Working Group Update
- Closing Remarks



Welcome and Announcements

Deputy Secretary Lewis, MDOT

Public Comments





Utility Pilot Program Discussion

Virginia Burke, MDOT

PHI

Challenges

- Multifamily properties are concerned about electricity use
- Some properties determine the cost of facility upgrades required are not worth the addition of EVSE
- Multifamily properties worry about the maintenance and operation of the EVSE and coordinating resident use
- Some facilities cannot handle the additional electricity load

Asks

- Share a list of contacts or make introductions for all major management companies registered in Maryland
- Assistance with an outreach campaign to communicate existing state and utility incentives
- Develop and hold educational sessions for multifamily buildings to learn EVSE best practices
- Explore policies that provide financial incentives for properties that require upgrades to their facilities for EVSE

BGE

Challenges

- The upfront cost of EVSE and determining who pays for the electricity
- Selecting station locations and determining the billing process for charging locations with assigned parking
- COVID impact on marketing campaigns

Asks

- Collaborate on utility suggestions, semi-annual reports, and provide letters of support to the PSC
- Introductions to property owners and developers to establish outreach support across multiple utility service territories
- Work on coordination with dealerships and MVA to obtain information regarding EV registration at multifamily addresses

Potomac Edison

Challenges

- There are few EV drivers in Potomac Edison's service territory
- No residential EVSE applications from Garrett County and minimal activity from Allegany and Washington Counties
- Cost of hardware and installation, as well as maintenance
- Limited customer EVSE knowledge
- Limited education and outreach budget

Asks

- Promote EV ownership and multifamily rebates across Potomac Edison's service territory through advertising, media, events, and webinars
- Share landlord, developer, HOA, electrician, and others' contact information with Potomac Edison or Electric Auto Association
- Increase education and contacts related to EVSE purchase, installation, and utility bills at multifamily locations
- Potomac Edison has been sharing the multifamily case studies from the MarylandEV.org website



Fuel Cell Electric Vehicle Update

Bob Wimmer, Toyota North America

Deputy Secretary Lewis, MDOT



State Agency Updates

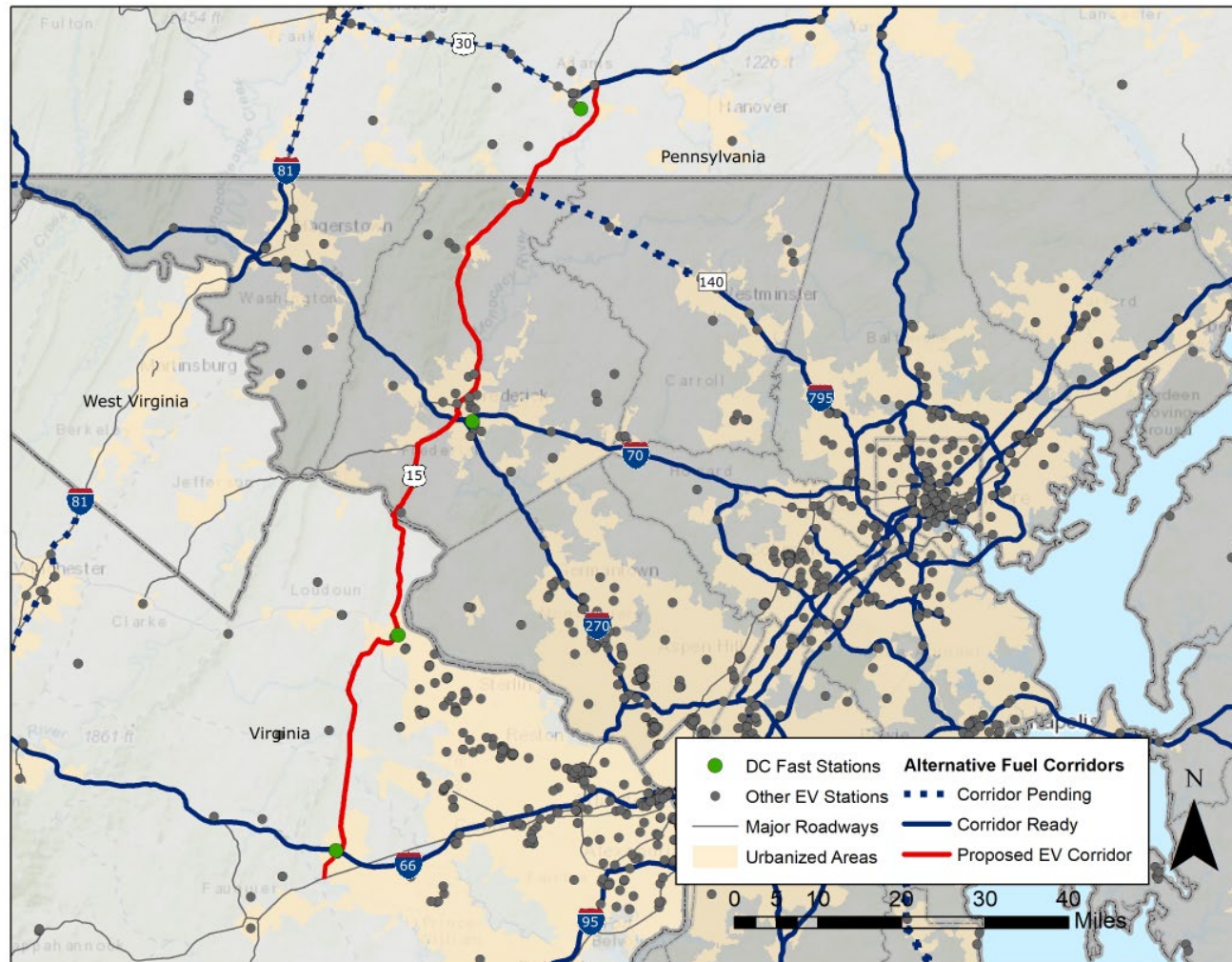
MDOT

MEA

MDE

Other State Agencies

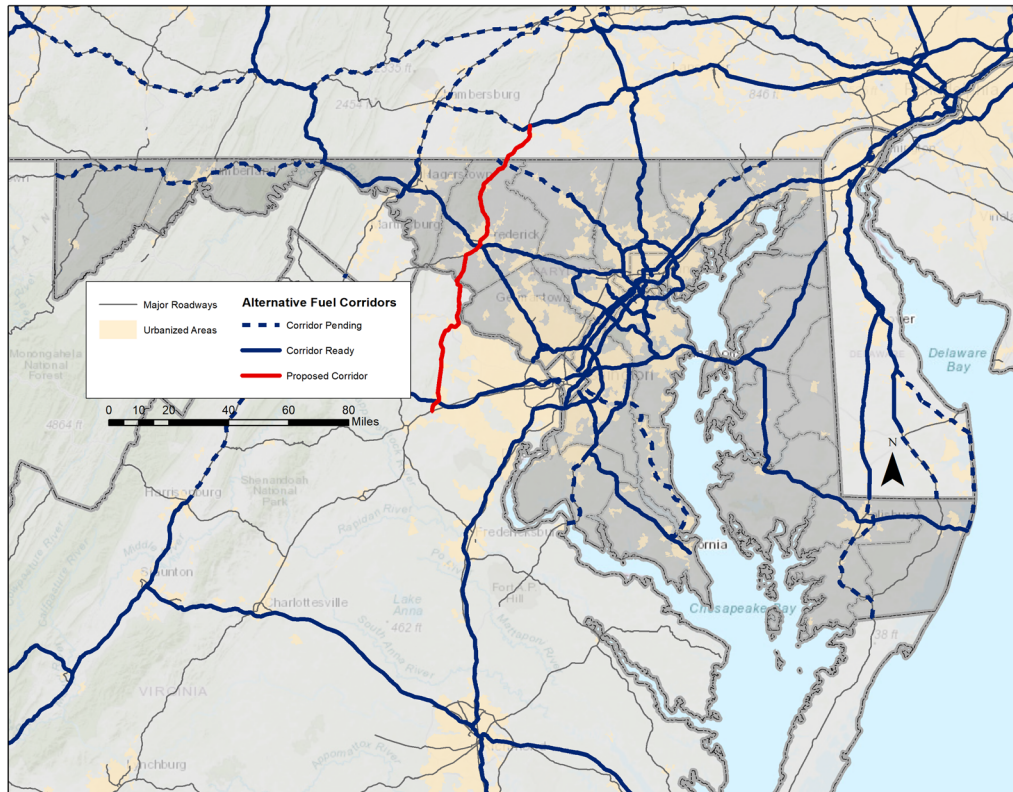
MDOT - EV Alternative Fuel Corridor Nomination



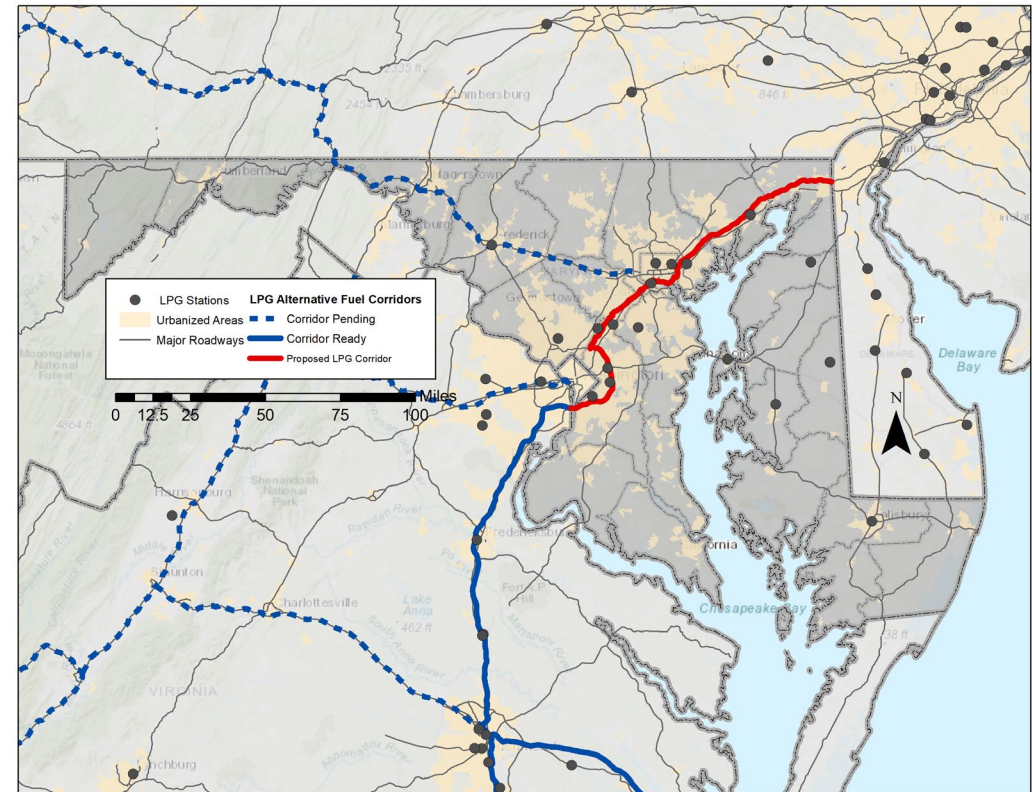
- US 15
- From US 30 (Gettysburg, PA) to US 29 (Gainesville, VA)
- Joint Nomination with Pennsylvania & Virginia

MDOT - Alternative Fuel Types in Maryland

Electric Vehicles

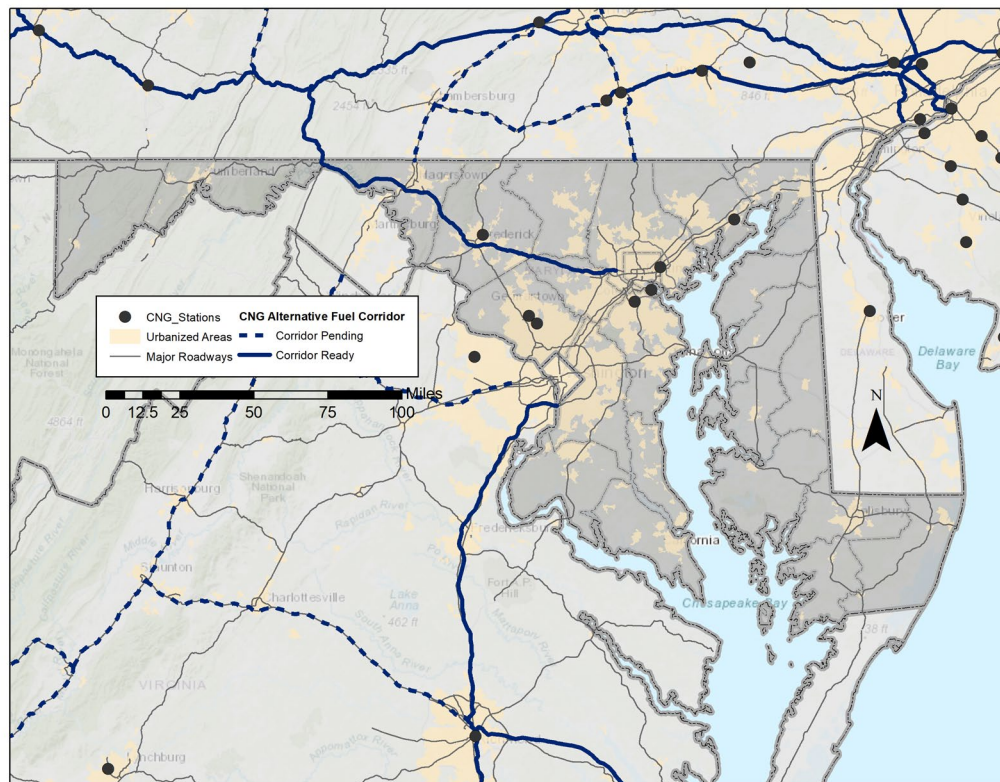


Liquified Petroleum Gas (LPG)

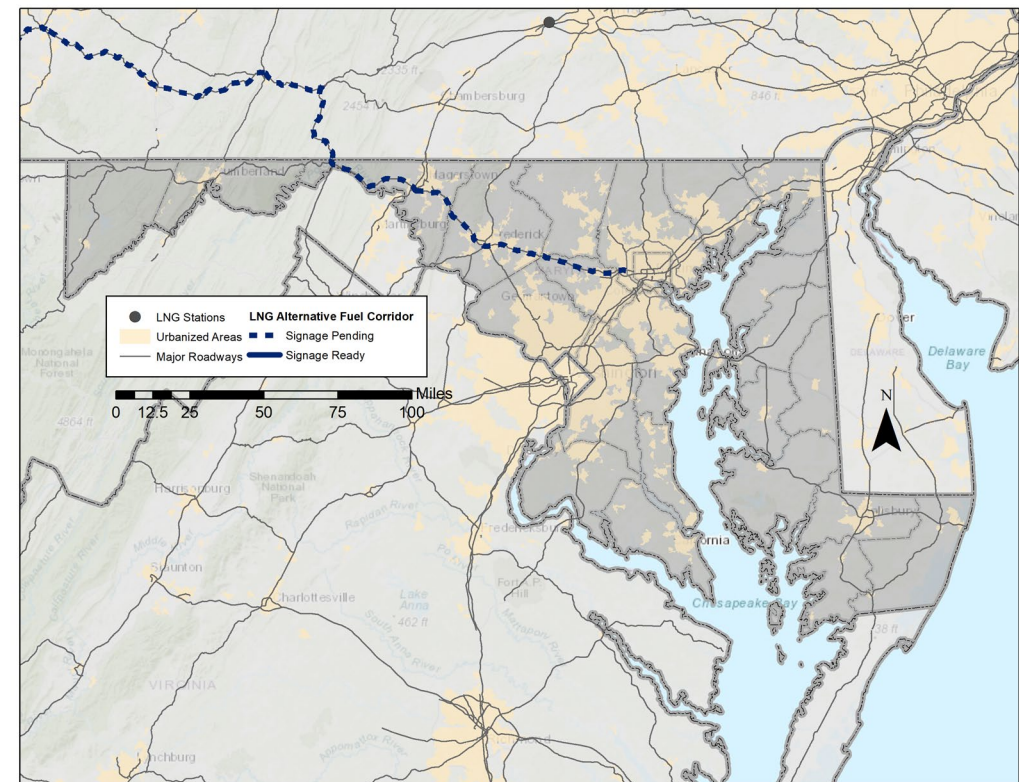


MDOT - Alternative Fuel Types in Maryland

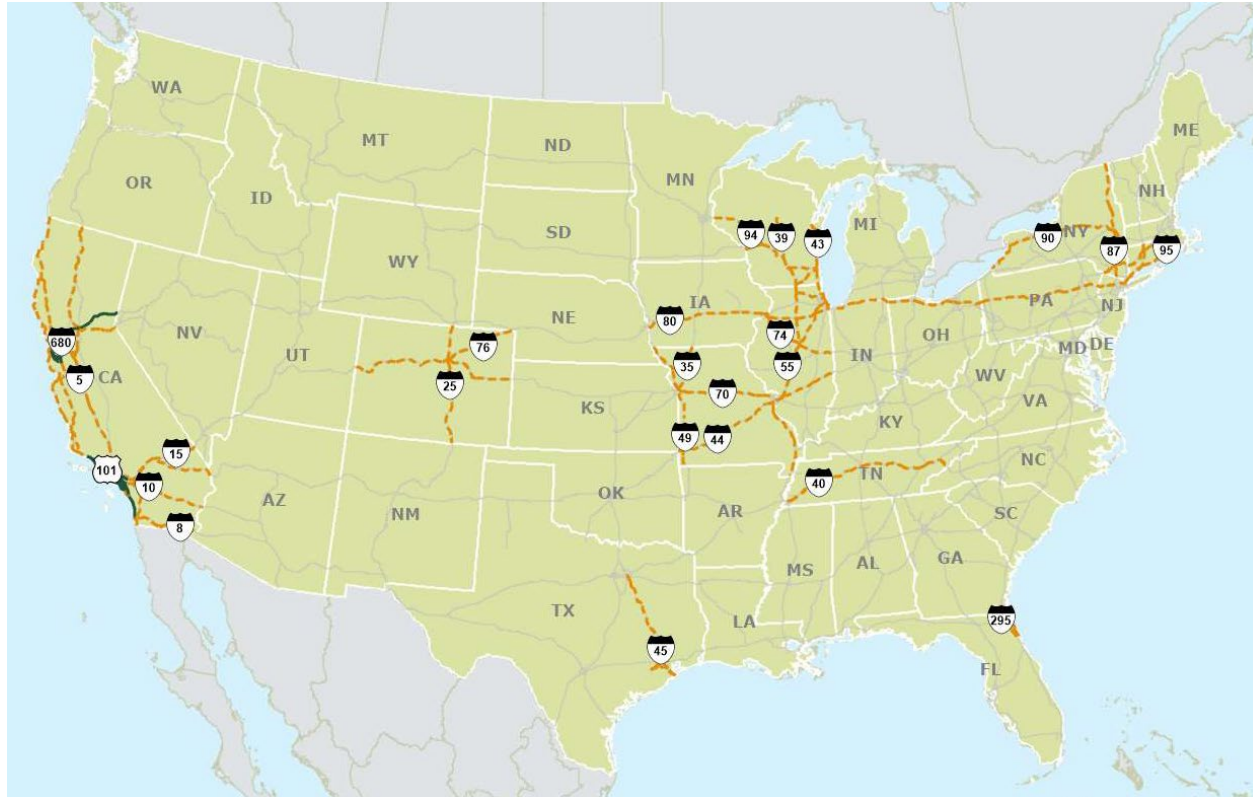
Compressed Natural Gas (CNG)



Liquefied Natural Gas (LNG)



MDOT - Hydrogen Alternative Fuel Corridor



Source: FHWA Hydrogen (HY-Round 1,2,3,4, and 2020 Refresh)

Corridor Ready Designation

- Minimum of 2 stations
- < 100 Miles between stations
- < 5 Miles from AFC

Corridor Pending Designation

- Minimum of 2 stations*
- > 100 Miles between stations
- < 5 Miles from AFC

* If there are no alternative fuel stations located along proposed corridor, a plan and detailed timeline for build-out of the infrastructure must be submitted.

MEA Program Updates

- **EVSE Rebates**

- \$539,174 for 947 residential EVSE
- \$737,804 for 237 commercial EVSE

} Totaling: \$1,276,978 and 1,211 chargers

- **Clean Fuels Incentive Program (CFIP) Awards**

- Fleet Alternative Fuel Vehicles
 - Highland Electric Transportation: \$817K for 19 electric school buses (MCPS)
 - Jubb's Bus Service: \$190,850 for 11 propane autogas school buses
 - Peapod Digital Labs: \$100K for 2 electric delivery step-vans
- Publicly Available Alternative Fuel Infrastructure
 - EVgo: \$156K for 4 DCFC at 2 locations in Bethesda area
 - EVI: \$109,915 for 2 DCFC in Chestertown

- **Clean Fuels Technical Assistance (CFTA) Program Update:**

- Rockville, Cumberland, Laurel (EV), Baltimore City (biodiesel)
- Expect reports to be made available by the end of March

MDE Program Updates

Volkswagen Settlement Updates

- Charge Ahead Grant Program
 - 21 Locations/proposals received
 - Total funds requested: ~\$1.16 million
- Electric Corridor Grant Program
 - 35 Proposals received
 - Total funds requested: ~\$10.2 million



Other State Agency Updates

PSC, DGS, MDP



Communications Working Group Update

Virginia Burke, MDOT

Carrie Giles, ICF supporting MDOT

Maryland EV Website Analytics

February 1 – February 28, 2021

Page Views: 2,380

Audience Overview:

Search Traffic: 61%

Referral Traffic: 13%

Direct Traffic: 28%

Top Referral Traffic:

1. pepco.com: 25%
2. bge.com: 21%
3. firstenergycorp.com: 11%
4. delmarva.com: 9%
5. Facebook.com: 10%
6. mdot.maryland.gov: 9%

Top Pages Visited:

1. Incentives: 1,065 (45%)
2. Homepage: 585 (25%)
3. Charging: 243 (10%)
4. ev-101: 139 (6%)
5. hydrogen-101: 62 (3%)
6. local_ev_resources: 53 (2%)
7. charging/afdc-map: 41 (2%)
8. resources: 33 (1%)
9. resources/useful-links: 28 (1%)

Maryland EV Social Media Post Examples

 **Maryland Electric Vehicle** ***
Published by Crowdfire [71] · 4 February · 🌐

As part of the EV Driven Program, Potomac Edison has installed four new electric vehicle fast charging stations in Hancock and McHenry. The program will install 59 EV charging stations across Maryland – including 20 fast charging stations, capable of charging 80% of EVs within an hour.

Learn more at
<https://www.prnewswire.com/.../potomac-edison-installs-first-...>
#MarylandEV #EV #EVCharging

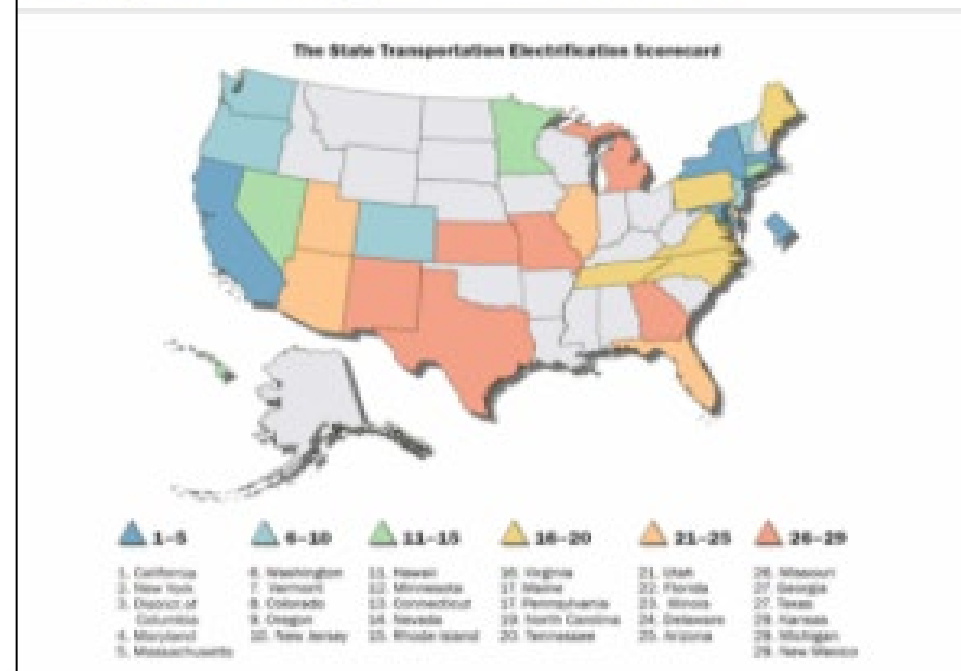


 **Maryland Electric Vehicle** ***
Published by Crowdfire [9] · 11 February · 🌐

American Council for an Energy-Efficient Economy has ranked Maryland fourth in the 2021 State Transportation Electrification Scorecard.

The scorecard evaluates states based on EV infrastructure development, incentives, equity efforts, and more.

Read the full report at
<https://www.aceee.org/electric-vehicle-scorecard>



Maryland EV Social Media Post Examples


Maryland Electric Vehicle
Published by Crowdfire [?] · 18 February · 🌐

Looking to learn about the world of electric vehicles? Join Annapolis Green (Annapolis Green) President Elvia Thompson next Thursday, February 25th for a talk with Cafe Scientifique about how electric vehicles work, their climate and health benefits, and selecting the right vehicle for you.


Join the meeting at
<https://annapolisgreen.com/.../driving-electric-to-mitigate-.../>
#MarylandEV #EV

WEBINAR:
**Driving Electric to Mitigate Climate Change,
Breathe Cleaner Air and Save Money**

Thursday, February 25
6:15 pm - 7:30 pm



with Elvia Thompson
President, Annapolis Green

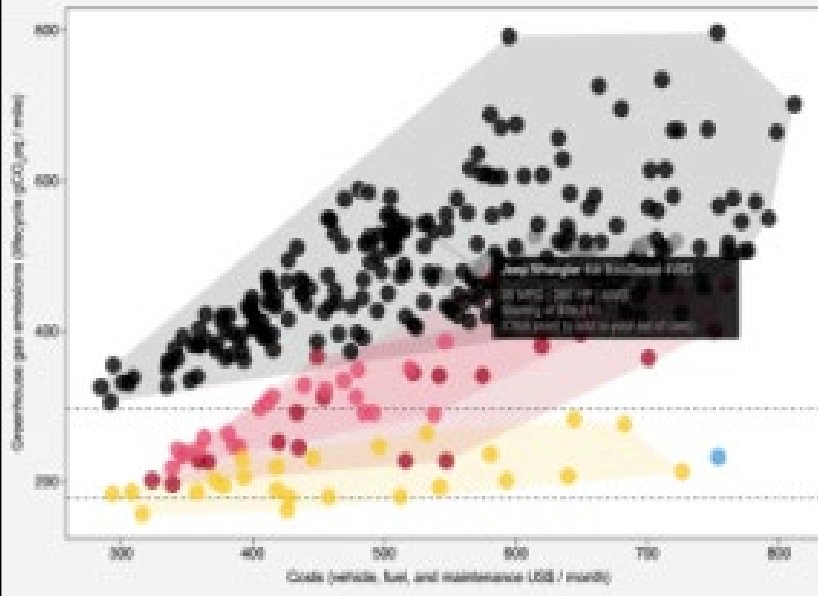


Maryland Electric Vehicle
Published by Crowdfire [?] · 15 February · 🌐

Do electric cars save drivers money in the long run?

A new tool from the MIT Trancik Lab compares popular car models by greenhouse gas emissions and monthly costs (vehicle, fuel, and maintenance) helps visualize the long-term savings of electric vehicles.

Compare your next dream car by exploring:
www.carboncounter.com
#MarylandEV #EV #ClimateChangeMaryland





Legislative Working Group Update

Kevin Miller, ChargePoint

Letters of Support

Bill #	Bill Title	Sponsor	ZEEVIC Letter Submittal Date	Notes
HB0110 (SB0144)	Electric Vehicle Recharging Equipment for Multifamily Units Act	Delegate Korman	1/22/2021	Crossed Over
SB0144 (HB0110)	Electric Vehicle Recharging Equipment for Multifamily Units Act	Senator Guzzone	1/22/2021	
SB0315	Vehicle Laws - Plug-In Electric Drive Vehicles - Reserved Parking Spaces	Senator Young	1/22/2021	
HB480	Plug-In Electric Drive Vehicles – Reserved Parking Spaces	Delegate Barve	1/22/2021	
HB0044	Clean Cars Act of 2021	Delegate Fraser-Hidalgo	1/26/2021	
HB30	Public Utilities – Office of Climate Counsel – Establishment (Climate Counsel Act)	Delegate Korman	2/2/2021	Crossed Over
HB0784	Residential Construction - Electric Vehicle Charging	Delegate Terrasa	2/12/2021	Crossed Over
HB0832	Public Utilities – Electric School Bus Pilot Program	Delegate Fraser-Hidalgo	2/15/2021	

Closing Remarks – Deputy Secretary Lewis

- Next Meeting May 2021