

MARYLAND DOT SOLAR INITIATIVES & ALTERNATIVE FUEL CORRIDORS

**AIR QUALITY, CLIMATE CHANGE &
ENERGY SUBCOMMITTEE (AQCCES)**

July 18, 2018

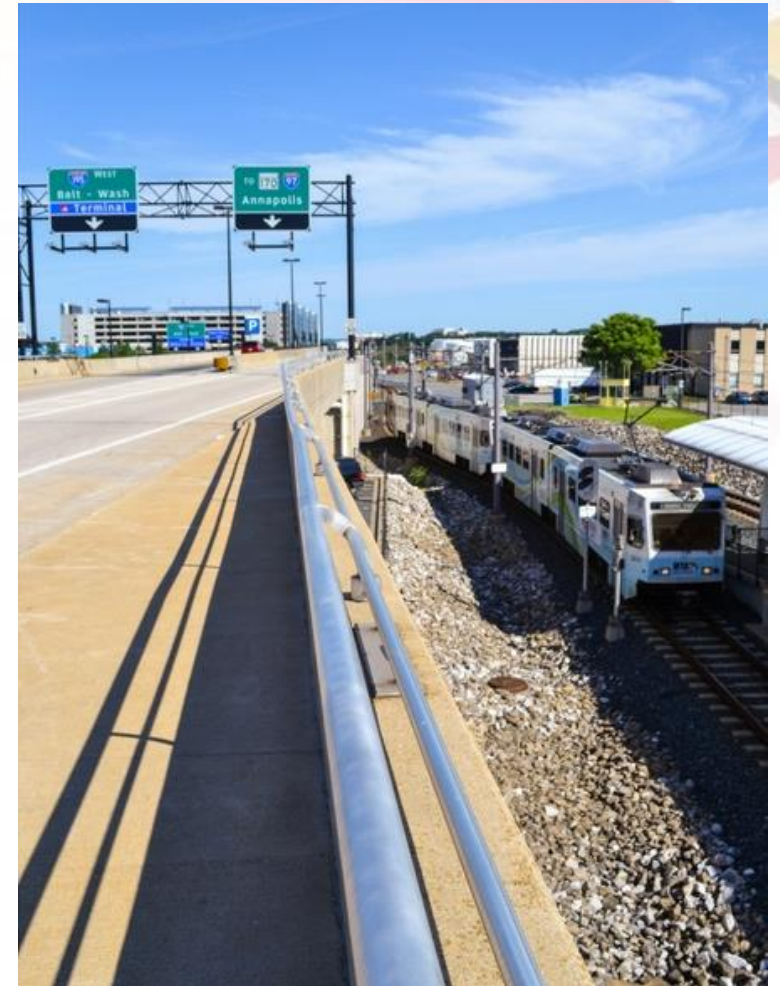
Colleen Turner, Assistant Director, Office of Planning & Capital Programming

Maryland Department of Transportation



MASTER SERVICES AGREEMENT

- Designed to promote innovation and competition
- 5-Year Contract, 2-Year Renewal
- Qualify Master Contractors
- Secondary Competition for Tasks
- Power Purchase & Leave Agmts. (25 yr.)
- Energy performance, storage, microgrids, EVSE
- Buyout Option
- Operation & Maintenance
- Decommissioning
- Financial Structure & Capacity



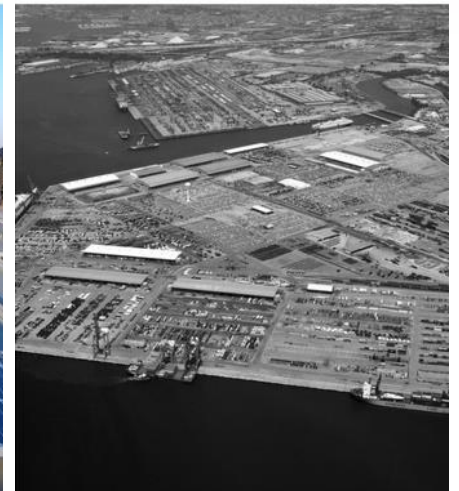
TASK ORDER PROCESS

- Task Order RPF to Master Contractors
- Developers Analyze Sites & Submit Proposal
- MDOT Awards to MC
- Developer, Finances, Develops, Designs, Constructs, Commissions, Operates, Maintains, and Decommissions
- MDOT Provides the land and Purchases Solar Power, or Community Solar

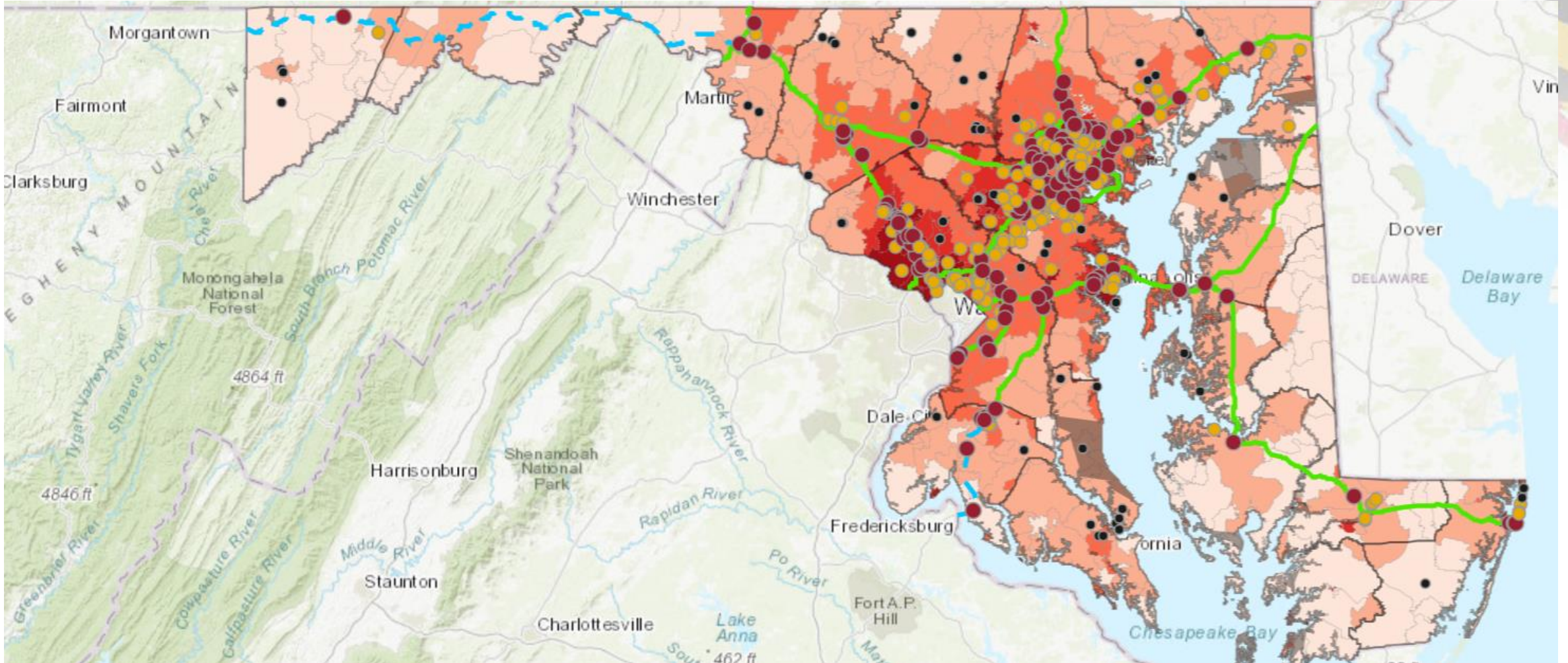


NEW SITES

- Phase I - 35 Sites
 - Across 7 Business Units
 - Parking Lots
 - Tracking Emissions Reductions
 - Tracking Job Creation
- Phase II Sites
 - Airport
 - Port
 - Transit-Oriented Development
 - Noise Barriers
 - Roofs

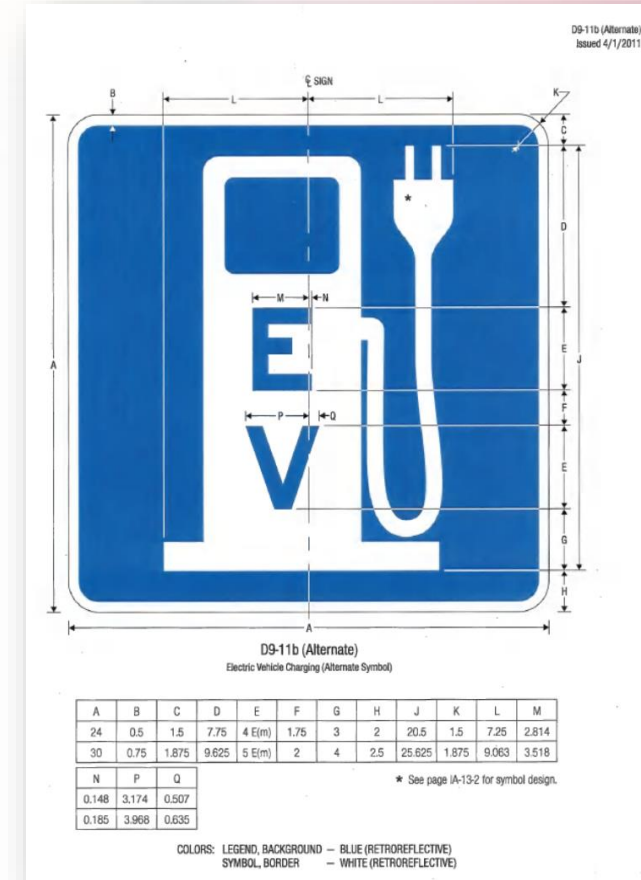


MARYLAND'S EV CORRIDORS



SIGNAGE PLAN UPDATES

- The future Plan will serve as a guide for the acquisition, installation and maintenance of EV signage for the state of Maryland
- Currently limited signage data exists for 3 of 7 districts. No signage data available for the other 4 districts.
- Complete signage data to be available end of summer / early fall upon completion of Enterprise Asset Management System effort.



COMPLIMENTARY EV COLLABORATION

- **Electric Vehicle Infrastructure Council (EVIC)**
 - Legislative Efforts
 - Outreach [MarylandEV.org]
- **Maryland Commission on Climate Change**
 - Modeling Emissions Impact of EVs and EVSE
 - EVs in State Fleet
- **Transportation Climate Initiative**
 - Clean Vehicles and Fuels Workgroup – DC to Maine – Coordination on EVSE
- **VW Settlement**
 - Proposed 15% for EVSE
 - ZEV Investment Applications

UPDATED WEBSITE DESIGN

MDEV MARYLAND EV

HOME EV 101 CHARGING INCENTIVES RESOURCES NEWS ABOUT



I'm not pumped, I'M CHARGED!

Though electric cars can be more expensive to purchase than their conventional counterparts, the higher upfront cost is often reduced through **federal** and **state incentives**. The cost to refuel an electric car can also be a fraction of the cost of gasoline, meaning that electric cars can have a lower total cost of ownership.

- from Union of Concerned Scientists - Science for a Healthy Planet and Safer World



EV 101



INCENTIVES



SIGN UP FOR UPDATES

CONTACTS

MDOT Solar Efforts

Laura Rogers
Program Manager Office of Environment
LRogers1@mdot.state.md.us
410-865-1026

MDOT EV Efforts

Colleen Turner
Assistant Director, OPCP
CTurner@mdot.state.md.us
410-865-2773