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
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 Solar World
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