

REGIONAL ELECTRIC VEHICLE PLANNING: AN OUTLOOK

TPB Technical Committee

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History of COG EV Efforts

- COG EV Workshop, April 2011
- Clean Cities Community Readiness and Planning for PEV and Infrastructure Solicitation, 2011
- Revised EV Deployment Plan: EV Task Force Created
- COG EV Report: *Electric Vehicles in Metropolitan Washington - Understanding the Region's Current Readiness and Options for Expanding Their Use, October 2012: 25 recommendations*
- EV Business Case Forum at the Washington Auto Show, February 2013
- COG-Vision Fleet MOU Agreement, March – June 2015
- Fleets for the Future, March 2016 – September 2018

2030 Climate and Energy Action Plan (CEAP) Goals

- COG Board adopted goals of:
 - 50% by 2030 below 2005 levels
 - Becoming a Climate Ready Region and making significant progress to be a Climate Resilient Region by 2030

2030 CEAP ZEV Strategies and Targets

- Regional Zero Emission Vehicle (ZEV) Strategies
 - ZEV-1: expand light-duty electric vehicle deployment
 - ZEV-2: accelerate electrification of medium- and heavy-duty vehicles
 - ZEV-3: build out regional electric vehicle charging network
- ZEV Implementation Targets
 - Light-duty BEVs and PHEVs: 30%
 - Light-duty trucks: 9%
 - Medium- and heavy-duty trucks: 4%
 - Transit buses: 30%



Local EV Plans

- Completed Plans
 - City of Frederick – Community plan
 - City of Alexandria – Community plan
 - Prince George’s County – Government fleet plan
- Forthcoming Plans
 - DC’s Transportation Electrification Roadmap
 - Frederick County – Community and government plans
 - Arlington County – Government Operations Interim Plan, County-wide Master plan
 - Loudoun County – Government operations
- Under Consideration
 - Falls Church - Community-wide plan
 - Rockville – Government fleet plan
 - City of Manassas - Both government and community-wide

Local EV Plans

- Other
 - Charles County – Up for consideration by Commission in May
 - Greenbelt – Electric Vehicle Infrastructure Planning Group

Other Opportunities

- VW Environmental Mitigation Trust - NOx emission reductions + transportation electrification investments
- Electrify America – DCFC Investment
- Mid-Atlantic Electrification Partnership – EV charging ecosystem
- MD PSC Utility Pilot – five-year pilot program
- Dominion Energy Smart Charging Infrastructure Pilot

Regional Support for EV Plan Development

- COG has master contracts with ICF and Cadmus
 - Supports local climate, energy, and EV Plans
 - Developing EV plans for govt ops and community
- Opportunity for EV Plan Development Support
 - Shared investment in common elements
 - Utility programs
 - Technology/Vendor information
 - Certain policies and procedures
 - Jurisdiction-specific information
 - EV ownership, registrations, locations
 - EV equipment needs assessment
- Jurisdictional interest

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