

FLEETS FOR THE FUTURE

Aggregated Alternative Technology Alliance

2017 National Conference of Regions

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History of COG EV Efforts

- COG EV Workshop, April 2011
 - Purpose – to examine local and regional EV readiness strategies and to begin the conversation on a regional level
- Clean Cities Community Readiness and Planning for PEV and Infrastructure Solicitation, 2011
 - COG Proposal - *Regional EV Deployment and Infrastructure Plan*
 - Objectives – to develop a plan for PEVs and all-electric vehicles and charging infrastructure in the NCR and to establish a Regional EV Coalition
 - Plan not awarded



History of COG EV Efforts

- Revised EV Deployment Plan
 - EV Task Force Groups
 - EV Infrastructure Processes - Olayinka Kolawole, Chair
 - EV Policy and Processes - Kambiz Agazi, Chair
 - COG EV Report: [Electric Vehicles in Metropolitan Washington - Understanding the Region's Current Readiness and Options for Expanding Their Use](#), October 2012
 - 25 Recommendations
 - Next Step: COG to participate in a Washington Regional EV Partnership to implement Task Force recommendations



COG EV Work Group Efforts

- Function: Forum for the discussion and coordination of public and private strategies to support electric transportation deployment
- Goal: To assist stakeholders find ways to remove barriers to electric transportation deployment in the Washington region
- Olayinka Kolawole, DOEE and Elizabeth Lawton, Co-Chairs
- Membership
 - COG 22 member jurisdictions
 - Greater Washington Region Clean Cities Coalition (GWRCCC)
 - Transportation and Climate Initiative (TCI)
 - Baltimore-Washington Electric Vehicle Initiative (BEVI)
 - Others: MD-EVIC, EVA-DC, EVSE providers



COG EV Work Group Efforts

- Business Case Forum, February 2013 - *Electric Vehicles: Making Good Business Sense*
 - Pre-meeting to the 2013 Washington Auto Show
 - Speakers: Capital One, MOM's Organic Market, FedEx Express
- EV Work Group Focus, 2013-2014
 - Develop aggregate procurement for EVs
 - [ZEV MOU](#) - CA, CT, MA, MD, NY, OR, RI, VT
- COG-Vision Fleet MOU Agreement, March – June 2015
 - Full-service consulting firm that assists in large-scale EV adoption for public fleets
 - 4 Fleets: DC, Prince George's County, Alexandria, Frederick (City)



COG EV Work Group Efforts

- COG-Vision Fleet Project
 - Objectives
 - Establish a total-cost-of-ownership baseline for the existing gasoline powered fleet
 - Provide recommendations for specific vehicles suitable for EV replacement
 - Quantify the financial implications of a large-scale EV replacement program in terms of total cost of ownership
- COG Employer Outreach and Work Place Charging
- DOE RFI for Alternative Fuel and Advanced Vehicle Procurement Aggregating Initiatives, March 2015
 - Purchasing/procurement



COG EV Work Group Efforts

- EV Readiness Workshop, June 2015
 - Joint event between COG and MD-EVIC
 - Focus
 - Codes, siting, and design
 - EV planning and purchasing nexus
 - Public charging venues
 - Permitting and power considerations
 - Ride and drive
- DC Greening the Fleet Initiative, December 2015 – September 2016
 - Partners: GWRCCC, MWCOG, NASEO, Sustainable Energy Strategies, Inc.

MWCOG F4F Project Overview



- Reduce the incremental costs of propane, electric, and natural gas powered vehicles and refueling or charging infrastructure
- Develop and implement five regional procurements and one national scale procurement
- National partnership between regional councils, Clean Cities Coalitions, and industry leaders led by the National Association of Regional Councils
- Create best practices and templates on alternative fuels such as CNG, propane, and electric; related infrastructure development; creative financing mechanisms; and, vehicle procurement strategies and policies



Partners and Roles

- National Association of Regional Councils – project lead and overall management
- Regional Councils – develop and coordinate cooperative contracts for vehicles and infrastructure
 - MWCOG
 - Metropolitan Area Planning Council (Boston)
 - North Central Texas COG
 - Pima Association of Governments
 - Mid-America Regional Council (MARC)
- Clean Cities Coalitions: New York, Ohio, Utah, Washington state, Kansas City, Tucson, and metropolitan Washington – outreach and education support

MWCOG Regional Partnership



- **Metropolitan Washington Council of Governments (COG)**
- **Baltimore Metropolitan Council (BMC)** - successor to the Regional Planning Council and Baltimore Regional Council of Governments.
- **Mid-Atlantic Purchasing Team (MAPT)** - regional collaboration between COG's and BMC's cooperative purchasing committees to members with greater opportunities to save.
- **Greater Washington Region Clean Cities Coalition (GWRCCC)** –USDOE designated program that promotes and assists in measurable improvements in regional reductions in the use of petroleum based fuels through a strong coalition of effective partnerships.

Eligibility and Project Goals



- Public and Private Fleets: federal, state, local governments, school districts and universities, utilities
- Fuel and Vehicle Types: LDV – HDV, natural gas, propane, ethanol, and electrification
- Infrastructure: L2 and DC fast charging, natural gas, propane, E85
- Coordination of five regional and one national scale
 - MARC pilot procurement
 - COG + 3 remaining regional councils
 - Nation-wide effort
- On-going education and training and distribution of Best Practices





COG Outreach

- COG Policy Committees
 - Climate Energy and Environment Policy Committee
- COG Technical
 - Built Environment and Energy Advisory Committee
 - Metropolitan Washington Air Quality Committee Technical Advisory Committee
 - Mid-Atlantic Purchasing Team
 - Air and Climate Public Advisory Committee
- National Association of Fleet Administrators
- Washington Area Fleet Administrators



COG Outreach

- National Association of Fleet Administrators
- Washington Area Fleet Administrators
- DC College and University Sustainability Pledge (CUSP) Group
- Delaware Valley Regional Planning Commission
- MD Electric Vehicle Infrastructure Council

Regional Survey Results



- Over 60 surveys received
- Survey respondents represent almost 35,000 vehicles in 50 fleets.
 - DC-MD-VA-PA
- More than 50,000 vehicles are slated for replacement in the next 2-3 years
 - LDV > 6800
 - MDV >1500
 - HVD > 43000
 - School buses > 400



MAPT-COG Procurement Timeline



COG/MAPT Fleets for the Future Procurement Schedule		
Tasks	Start	Finish
Customize Regional Procurement Initiative	August 2016	July 2017
Survey stakeholders for vehicles	August 2016	December 2016
Engage Local Government Officials and Stakeholders to Participate in Procurement	August 2016	March 2018
Webinar	November 18, 2016	November 18, 2016
Washington Auto Show boot camp (one day)	February 2, 2017	February 2, 2017
PA region boot camp (one day)	April 2017	April 2017
Richmond-area boot camp (one day)	April 2017	April 2017
Establish and Implement Regional Procurement Initiative	January 2017	September 2018
Vehicle Procurement		
Request for Information from vendors	December 2016	End of January 2017
Request for vehicle and infrastructure commitments from stakeholders	End of January 2017	mid-February 2017
Bids on the street	Early March 2017	Early May 2017
Contract Awards (vehicles)	mid-June 2017	End of June 2017
Infrastructure Procurement		
Bid on the street	mid-May 2017	mid-July 2017
Contract Awards	End of August 2017	Early September 2017

Next Steps



- Complete soft commitment request from MWCOG
- 2 Workshops
 - Virginia Clean Cities
 - DVRPC
- Stay engaged!





Fleets for the Future Project web site:

<http://www.fleetsforthefuture.org/metropolitan-washington/>

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