### FLEETS FOR THE FUTURE

# **Aggregated Alternative Technology Alliance**

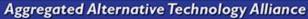
# Presented to MWAQC March 8, 2017

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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
  - Plan not awarded
- Revised EV Deployment Plan: EV Task Force Groups
  - EV Infrastructure Processes
  - EV Policy and Processes
- COG EV Report: <u>Electric Vehicles in Metropolitan Washington</u> <u>Understanding the Region's Current Readiness and Options for Expanding Their Use</u>, October 2012



### **COG EV Working 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
- Business Case Forum, February 2013 Electric Vehicles: Making Good Business Sense
- EV Work Group Focus, 2013-2014
  - ZEV MOU CA, CT, MA, MD, NY, OR, RI, VT
- COG-Vision Fleet MOU Agreement, March June 2015



### **COG EV Work Group Efforts**



- COG Employer Outreach and Work Place Charging
- DOE RFI for Alternative Fuel and Advanced Vehicle Procurement Aggregating Initiatives, March 2015
  - Purchasing/procurement
- EV Readiness Workshop, June 2015
- DC Greening the Fleet Initiative, December 2015 September 2016
  - Partners: GWRCCC, MWCOG, NASEO, Sustainable Energy Strategies, Inc.
- Fleets for the Future, March 2016 March 2018



### Fleets for the Future 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



### **Clean Cities Coalitions**



- There are nearly 100 Coalitions across the country representing almost 22,000 stakeholders, both public and private, working to reduce petroleum consumption, limit pollution, and save money.
- Representing close to 11 million alternatively fueled vehicles nationwide

### **Clean Cities Coalitions** Western Washington North Dakota Capital District Columbia-Willamette Central New York Vermont Genesee Region Twin Cities e Yellowstone-Teton Western New York Treasure Valley Roque Valley Wisconsin SE Area Eastern Northern Colorado Sacramento South Shore Philadelphia East Bay Greater Indiana San Francisco Denver . State of Maryland Silicon Valley Southern Colorado Central Coast Antelope Valley East Tennessee Triangle Tulsa Central Los Angeles Western Riverside County Middle Land of Sky Oklahoma . Tennessee Valley of Palmetto Land of Enchantment Alabama Tucson Dallas/Ft. Worth **Baton Rouge** Houston/ Lone Star Galveston Southeast Alamo Area Central Florida Louisiana \* Connecticut Clean Cities Include **Gold Coast** - Norwich - New Haven - Connecticut Southwestern Area Map Date: 02/19/13 U.S. Department of Energy - Capitol Clean Cities of Connecticut



### **National Procurement**



- National Joint Powers Alliance (NJPA) is a likely host for the public side
- Private is still in planning stages and we are in talks with the National Association of Fleet Administrators (NAFA)
- Includes propane, natural gas, and electric vehicles
- Will include a major outreach and education campaign involving the full network of regional planning councils and Clean Cities coalitions

### **Public Fleets National Procurement Plan Implementation Timeline**

7-step Strategic Process	Q3 -	Q4 -	Q1 -	02 -	Q3 -	Q4 -	Q1 -
	2016	2016	2017	2017	2017	2017	2018
Research/engagement							
Requirement identification							
Market Analysis							
Bid Execution							
Award and Contract							
Contract Promotion							
Evaluation							



### **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 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





- Nation-wide effort.
- On-going education and training and distribution of Best Practices





## Regional Survey Results



- Over 60 surveys received
- Survey respondents represent almost 35,000 vehicles in 50 fleets.
  - DC-MD-VA-PA
- Over 13,000 vehicles are slated for replacement in the next 2-3 years
  - LDV > 6800
  - MDV >1500
  - HVD > 4300
  - School buses > 400













### **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/workshop	February 2, 2017	February 2, 2017				
Richmond-area boot camp/workshop	April 6, 2017	April 6, 2017				
PA region boot camp/workshop	April 10, 2017	April 10, 2017				
Establish and Implement Regional Procurement Initiative	January 2017	September 2018				
Vehicle Procurement						
Request for Information (RFI) from vendors	December 2016	End of January 2017				
Request for vehicle and infrastructure commitments from stakeholders	Early March 2017	End of March 2017				
Bids on the street	End of March 2017	End of 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				



### Fleets for the Future Project web site:

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

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