

## Status Report

### Metropolitan Washington Region Transportation Electrification Project June 2009

At the May 6<sup>th</sup> CAO meeting, the District of Columbia noted a stimulus funding opportunity from Department of Energy to establish, demonstrate, and evaluate projects to accelerate the market introduction and penetration of advanced electric drive vehicles. The U.S. Department of Energy is soliciting applications for regional transportation electrification projects to develop data that can support the commercialization of advanced electric and hybrid electric vehicles and supporting infrastructure. \$400M is available under the competitive grant program with emphasis placed on larger scale projects.

A proposal was submitted by Nissan North America in the amount of approximately \$50 million for a three year demonstration in three metropolitan areas (the DOE solicitation requires geographic diversity), Washington, DC, San Francisco, and Los Angeles. In the DC metro area, Nissan, AeroVironment (AV), and the District of Columbia partnered with surrounding jurisdictions on a regional transportation electrification project. COG partnered on behalf of its members, as well. COG has been designated the coordinator for the region. The goal of the project is to deploy about 767 Nissan all-electric vehicles and nearly 844 AV charging stations throughout the District and suburban communities to enable the Washington DC region to create a market for electric vehicles and refueling infrastructure so that consumers will be comfortable with buying electric vehicles when mass produced starting in 2012. There is no cost to local governments for participation in this project other than in-kind service associated with hosting the vehicles, recording data, paying for the electricity cost for vehicle charging, and sharing experiences. Vehicle maintenance is covered for 3 years.

If approved, COG member jurisdictions will receive approximately 767 electric vehicles with the supporting charging station. Table 1 identifies the number of vehicles by jurisdiction.

**Table 1: Vehicle Intent Commitments**

Wash DC Area	EVs	Level II	Level III
	767	767	77
Arlington County	60	60	6
City of Alexandria, VA	2	2	0
City of College Park, MD	2	2	0
City of Falls Church, VA	2	2	0
City of Takoma Park, MD	2	2	0
COG	1	1	0
DC DOT	250	250	25
Fairfax County	60	60	6
Frederick County, MD	5	5	1
Loudoun County, VA	10	10	1
Montgomery County, MD	300	300	30
Prince George's County	3	3	0
Prince William County, VA	10	10	1
WASA	10	10	1
ZipCar	50	50	5

**Note:** Level II chargers (120 and 240V AC) and Level III chargers (60 kW, 400V DC) will be deployed as part of the project. A Level II charger will charge one of Nissan's EVs in 4 to 6 hours and a Level III fast charger will complete a charge in 20 to 30 minutes.

DOE anticipates making the announcement of selected proposals by the end of July 2009. If awarded, initial charger deployment will begin 6-9 months *After Receipt of Order* (ARO) and vehicle deployment to begin about 12 months ARO with full deployment in 18 months. At the end of the 3 year demo, local governments will be given the option to purchase the vehicles.

Contact: George Nichols  
[gnichols@mwco.org](mailto:gnichols@mwco.org)  
202-962-3355