

2011 District of Columbia Electric Vehicle (EV) Forum: A Conversation on the Future of EV's in the Nation's Capital



**Clean Cities Electric Vehicle
Resources and Tools
December 12, 2011**

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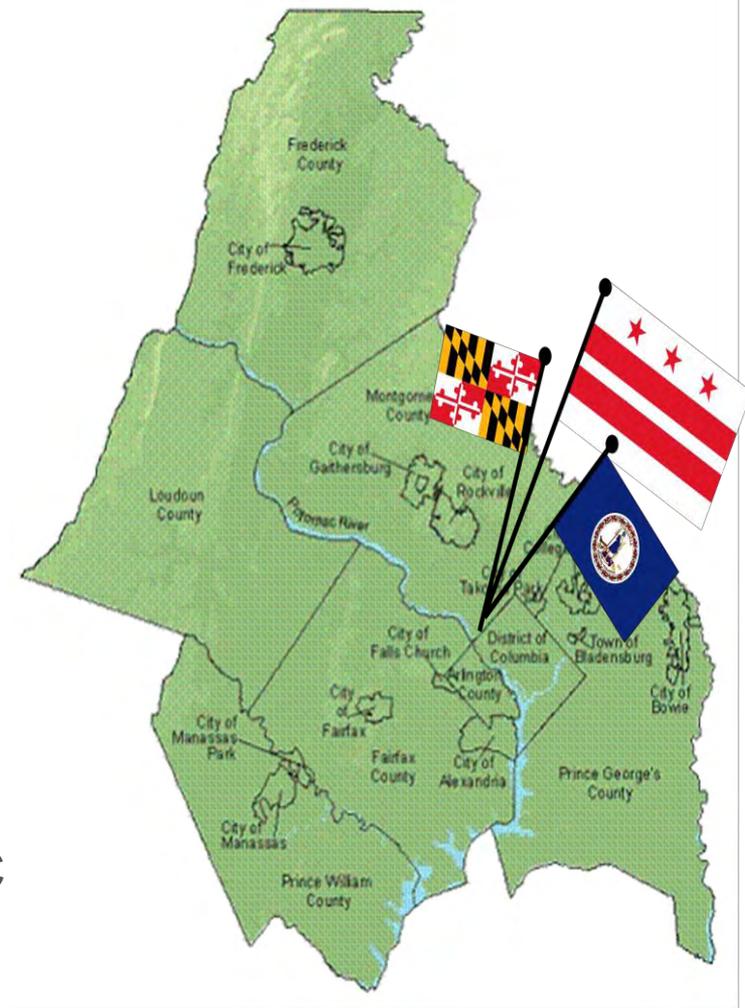
Mission

To advance the energy, economic, and environmental security of the U.S. by supporting local decisions to reduce petroleum consumption in the transportation sector.

- Sponsored by the DOE's Office of Energy Efficiency and Renewable Energy's Vehicle Technologies Program
- Provides a framework for businesses and governments to work together as a coalition to enhance markets
- Coordinate activities, identify mutual interests, develop regional economic opportunities, and improve air quality

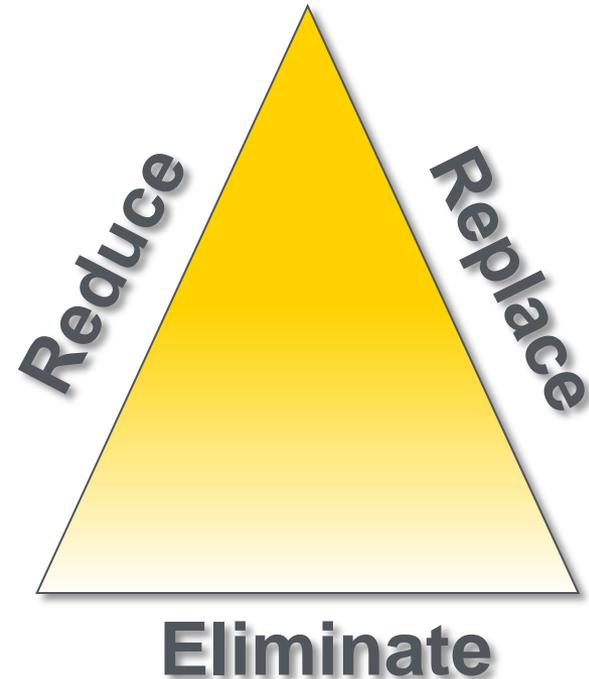
Fleet Data

- 1,120 HEVs in area – 83 in DC
- 52 EVs in area – 10 in DC
- 49 Off Road EVs in DC
- 97 EV Stations – 18 in DC
- 5M+ Population in area – 601,000+ in DC



www.gwrccc.org

- **Replace** petroleum with alternative and renewable fuels
- **Reduce** petroleum use through fuel efficiency measures, smarter driving practices, and idle reduction
- **Eliminate** petroleum use by promoting mass transit, trip elimination, and congestion mitigation



Clean Cities has saved nearly 3 billion gallons of petroleum since 1993.

- EV Deployment Case Studies
- EV Readiness Scorecard
- Plug-In Vehicle Handbooks
- Alternative Fueling Station Locator
- GeoEVSE Forum
- Community Readiness Project Awards



Alternative Fuels & Advanced Vehicles Data Center

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Plug-In Electric Vehicle Deployment Case Studies

Preparing for widespread adoption of electric vehicles, cities and other local leaders are working to speed the process to install home-based electric vehicle supply equipment (EVSE) for plug-in hybrid electric vehicles (PHEVs) and all-electric vehicles (EVs). Some U.S. cities are cutting the time needed to install and permit [home charging](#) stations down to one or two days. The following case studies focus on what four leading areas are doing to trim the EVSE permitting and installation process.



Oregon ▶
Oregon's statewide process speeds simple EVSE installations by enabling licensed electricians to buy permitting "labels" online and inspecting only one out of ten EVSE installations.



Raleigh ▶
With one-hour permitting and next-day inspections, Raleigh's process for a simple EVSE project can be completed in as few as two days.



Los Angeles ▶
Los Angeles issues automatic online permits for simple EVSE and guarantees inspections



Houston ▶
Houston's automatic online permitting and pilot rapid-inspection program enable EVSE

www.afdc.energy.gov/afdc/vehicles/electric_deployment_case_studies.html

Stand-Alone Guides for Four Audiences

- Consumers
(available now)
- Fleet Managers
(coming in November)
- Station Owners
(coming in December)
- Electrical Contractors
(coming in December)



Alternative Fueling Station Locator



www.afdc.energy.gov/afdc/locator/stations

Government-industry collaboration committed to establishing a repository of public EVSE location data for consumers and industry.

Goals:

- Avoid duplication of data collection efforts for EVSE locations
- Ensure that DOE continues to collect and provide the most comprehensive collection of EVSE location data
- Strengthen relationships and improve communication with new industry stakeholders

Partners include:

- Best Buy, GM, TomTom, Ford, MapQuest



GWRCOC Named a Recipient under the New York State Energy Research and Development Authority

- *In September, Energy Secretary Steven Chu announced awards for 16 electric vehicle projects totaling \$8.5 million. These projects in 24 states and the District of Columbia (Great Washington Region Clean Cities Coalition) help communities prepare for plug-in electric vehicles (EVs) and charging infrastructure.*
- We are using this award to bring our local public-private partner/stakeholders together to collaborate on deployment strategies for electric vehicles.
- These strategies will include updating permitting processes, revising codes, training emergency personnel, educating the public, and developing incentives.

http://www1.eere.energy.gov/cleancities/electric_vehicle_projects.html