

Alternative Fuels in the Washington Region

Presentation to the
TPB Annual Public Transit Forum

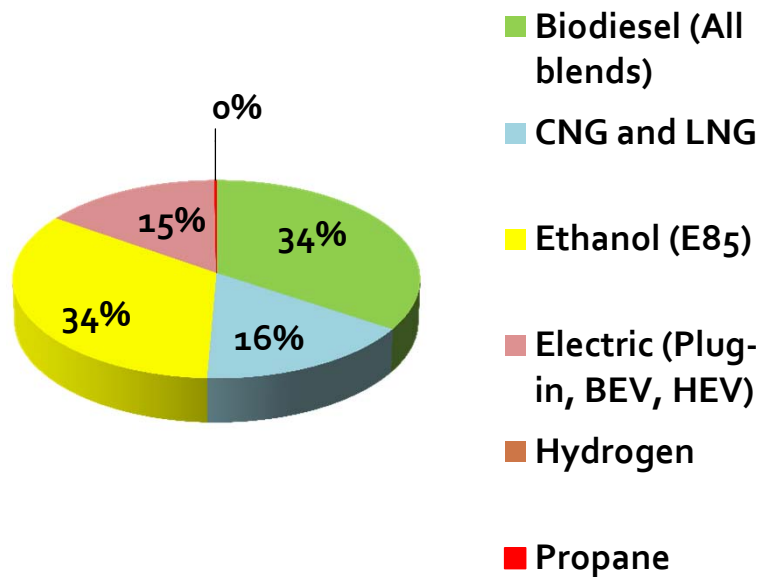
Leah Boggs

MWCOG Department of Environmental Programs
May 29, 2013

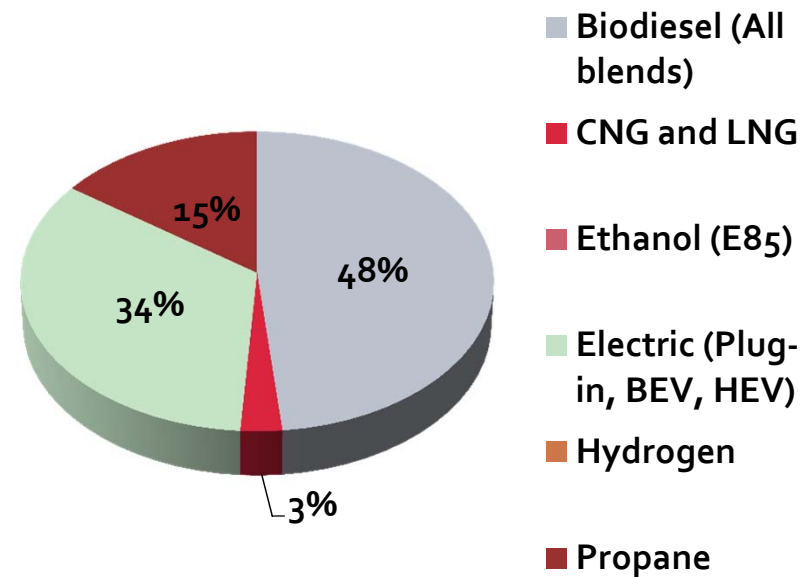


AFVs in the Region: Public and Private Fleets

On-road Vehicles: 6,703



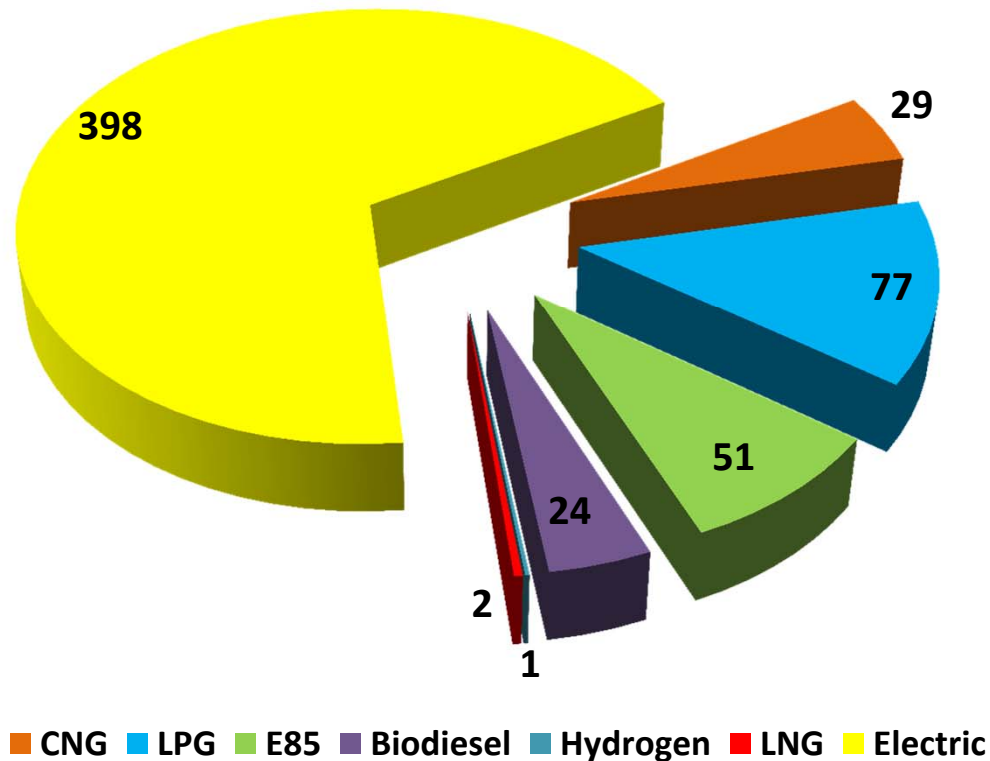
Off-road Vehicles: 186



Data Source: Greater Washington Region Clean Cities Coalition 2012 Annual Survey

AFV Fueling Sites: Public and Private Access

Statewide Infrastructure: DC, MD, VA



Data Source: Greater Washington Region Clean Cities Coalition 2012 Annual Survey

Tools

- Calculators – <http://www.afdc.energy.gov/tools/>
 - Vehicle Cost Calculator
 - Petroleum Reduction Planning Tool
 - GREET Fleet Footprint Calculator

- Data Search
 - Light and heavy-duty vehicle search
 - Fuel Property Comparison
 - Alternative Fuel Station Locator - <http://www.afdc.energy.gov/locator/stations/>

Alternative Fuels Data Center: Alternative Fueling Station Locator - Windows Internet Explorer

http://www.afdc.energy.gov/locator/stations/#results?ev_dc_fast=true&ev_level1=true&ev_level2=true&filtered=true&fuel=all&location=20002&ownr=...

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Alternative Fuels Data Center: Alternative Fueling ...

FUELS & VEHICLES CONSERVE FUEL **LOCATE STATIONS** LAWS & INCENTIVES Maps & Data Case Studies Publications Tools About Home

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Alternative Fueling Station Locator

Find alternative fueling stations near an address or ZIP code or along a route in the United States. Enter a state to see a station count.

Find Stations Plan a Route

20002

All Fuels [more search options](#)

Alternative fuel stations near 20002
Excluding private stations

A Manulife Building
1100 New York Ave NW
Washington, DC 20004
Phone: 202-289-6820
Fuel: Electric
Electric charging types: Level 1
Level 2
Distance: 2.5 mi

B Manulife Building
555 12th St NW
Washington, DC 20004
Phone: 202-624-0841
Fuel: Electric
Electric charging types: Level 1

More Search Options

☐ Include private stations

☐ Include planned stations

Owner: All

Payment: All

Electric charger types

☒ Include level 1

☒ Include level 2

☒ Include DC fast

☐ Include legacy chargers

☐ Limit results to within 5 miles

Map data ©2013 Google - [Terms of Use](#)

[Data Download](#) [Developer Tools](#)

Other Fuel Station Locator Sites

- Greencar.com
- EV charging only:
 - CarStations - <http://carstations.com/>
 - Plugshare - <http://www.plugshare.com/>

CNG Opportunities and Resources

- Diesel Retrofit Program (governments, non-profits and institutions)
- Clean Vehicle Solutions -
<http://www.cleanvehiclesolutions.com/index.php>
 - Certified converter of CNG vehicles
- Greater Washington Regional Clean Cities Coalition
 - <http://gwrccc.org/>
 - Nationally recognized DOE Program
 - Network of over 90 "Clean Cities" Coalitions
 - Previously hosted by COG for 15 years

Incentives

- Maryland
 - Natural Gas Vehicle Purchase Voucher
 - MEA
 - Eligibility: Commercial, non-profit agency, and public fleet vehicles registered in Maryland
- DC
 - Alt Fuel Efficient and Fuel Efficient Vehicle Title Tax Exemption
 - 40 miles/ gal excise tax exemption
 - Natural Gas Fueling Infrastructure Assistance
 - Washington Gas
 - Feasibility assessment
 - Eligibility: Local, state and federal government and commercial fleets

Incentives

- Virginia
 - HOV Lane Exemption
 - Vehicles displaying Clean Special Fuel License plate
 - For I-95/I-395 and I-corridor
 - Alternative Fuels Revolving Fund
 - Loans and grants to municipal, county, and commonwealth government agencies
 - Pays for AFV maintenance, operation, evaluation, or testing, vehicle conversions, or improve alt fuel infrastructure
 - All fuels including – electric, hydrogen and natural gas

Washington Regional EV Work Group and Report

- ***Charged Up: Making the Washington Regional EV Ready, June 2012***

- **Purpose of Report**

- Region's policies and charging infrastructure not yet ready for growth in EV market
- Coordinated approach will ease EV deployment by addressing barriers
- EV offers potential environmental, economic and energy security benefits

- **Work Group Purpose**

- Forum for the discussion and coordination of public and private strategies to support EV deployment (where feasible)
- Clearinghouse for information sharing
- Assist in the removal of barriers to deployment
- Meets bimonthly
 - Next meeting: May 30th
 - Focus – volume purchasing

Questions

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