

Montgomery County

Department of General Services –DGS
Delivering “Green” Service

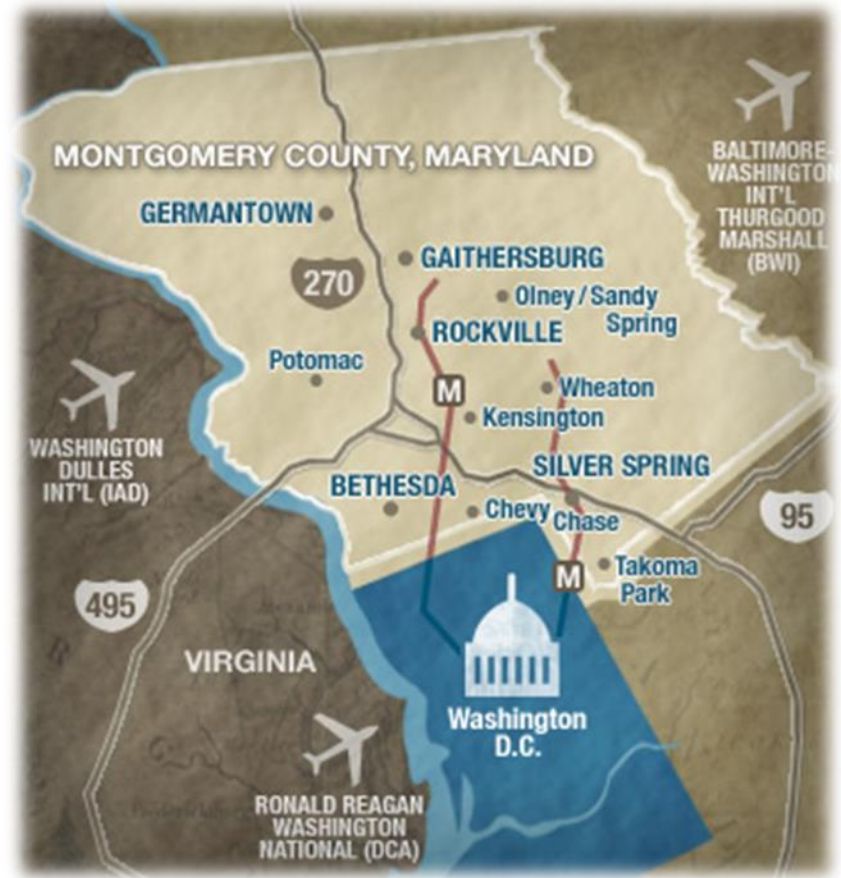


Getting to Green

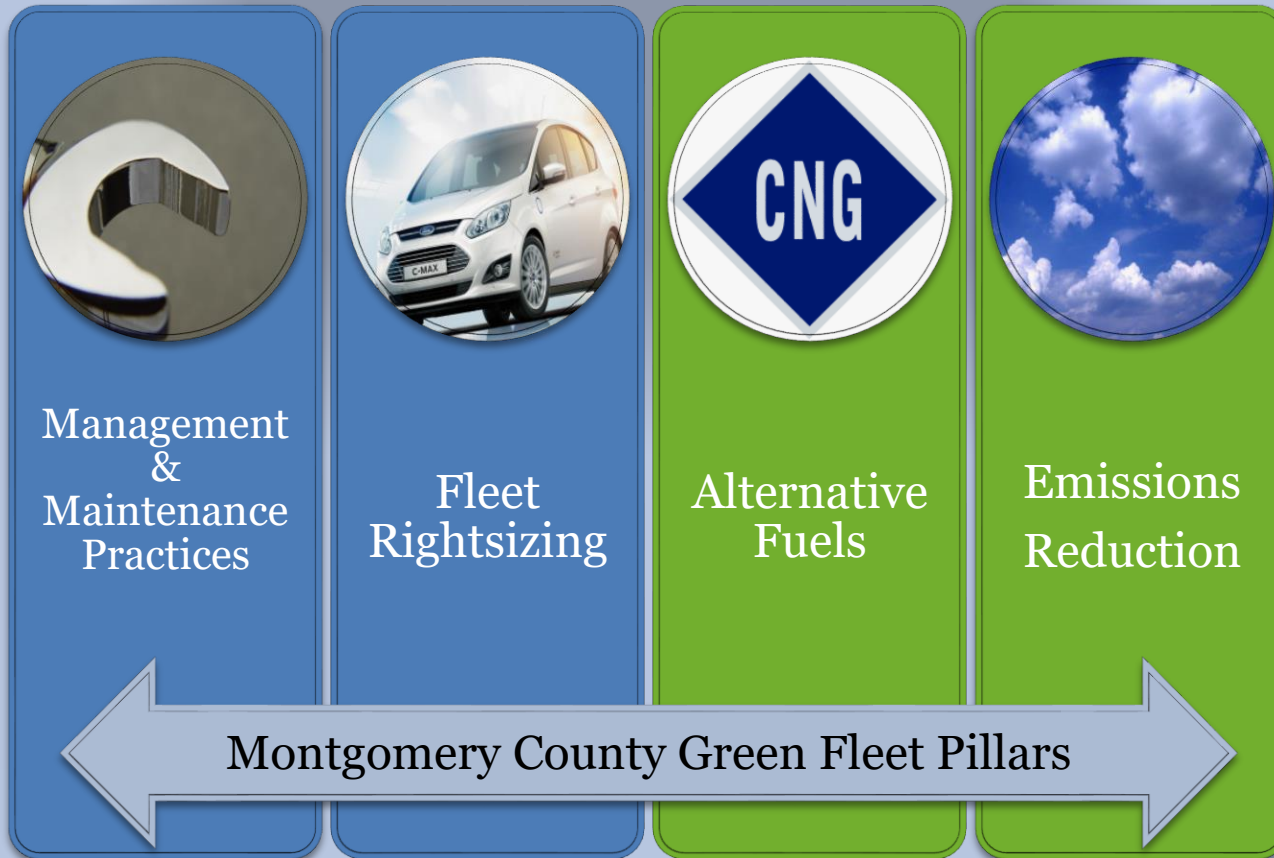
Montgomery County Background



- 500 Square Miles
- 1M + Residents
- 3,438 Fleet Vehicles
 - Over 900 AFV
- 62 Million Miles Driven
- 15 Fuel Sites
- 16 Level II Chargers
- 6.2M Gallons of Fuel Consumed
 - **26% Alternative Fuel Consumption**
 - **18,846 kWh!**



DGS- *Green Fleet* Pillars



Building a Greener, Cleaner, more Sustainable Fleet

Montgomery County *Green Fleet* Plan



- Petroleum Reduction
 - 20% reduction over 5 years
- Emissions Reduction
 - 2% Annually and 30% by 2030
 - 2% Annual Increase in Alternative Fuels
- Increase Fuel Efficiency
 - Purchase most *Fuel Efficient* vehicle for each class
- Optimize Fleet
 - Vehicle's Match the Mission



Battery Electric Vehicle (BEV) Integration



- 16 -Level II Charging Stations
- Strategically located
- Data Driven – Telematics
- 25 Vehicles deployed
- Driver Survey
- Driver Education
- Site Selection Critical
- Data Collection



Battery Electric Vehicle (BEV) Stats



- 3,500 Gallons Eliminated
- \$11,600 Fuel Savings
- 3,700 Charge-Ups
- 18,846 Kwh
- 31 Metric Tons of GHG
- 3 Hours Avg Charge Time
- 26.8 Miles Avg Trip
- 8,800 Avg Annual Mileage

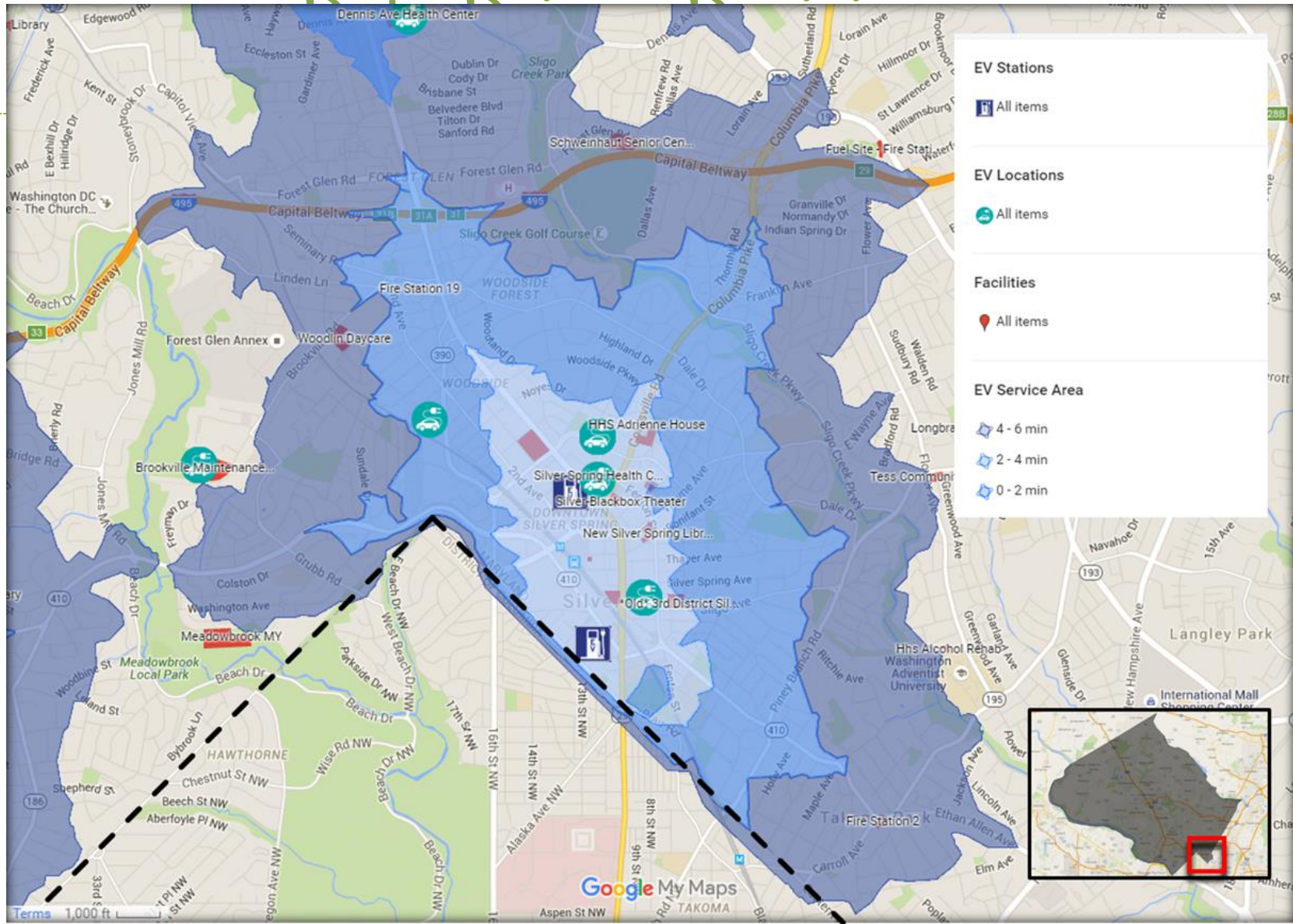


Next Steps



- 4 Fleet Sites Planned in FY17
 - Centralized EV Pool
- Conducting Cost Benefit Analysis –DC Fast Charging
- Fleet Expansion
 - Data Driven
 - GIS / telematics Analysis
 - Match Mission
- Public Accessible Site Planning
 - Library's
 - Recreation Centers





EV Stations

- All items

EV Locations

- All items

Facilities

- All items

EV Service Area

- 4 - 6 min
- 2 - 4 min
- 0 - 2 min

Terms 1,000 ft

Google My Maps





Thank you

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