

2020 Transportation Technology Deployment Report:

Greater Washington Region Clean Cities
Coalition

Expanded Edition

March 2021



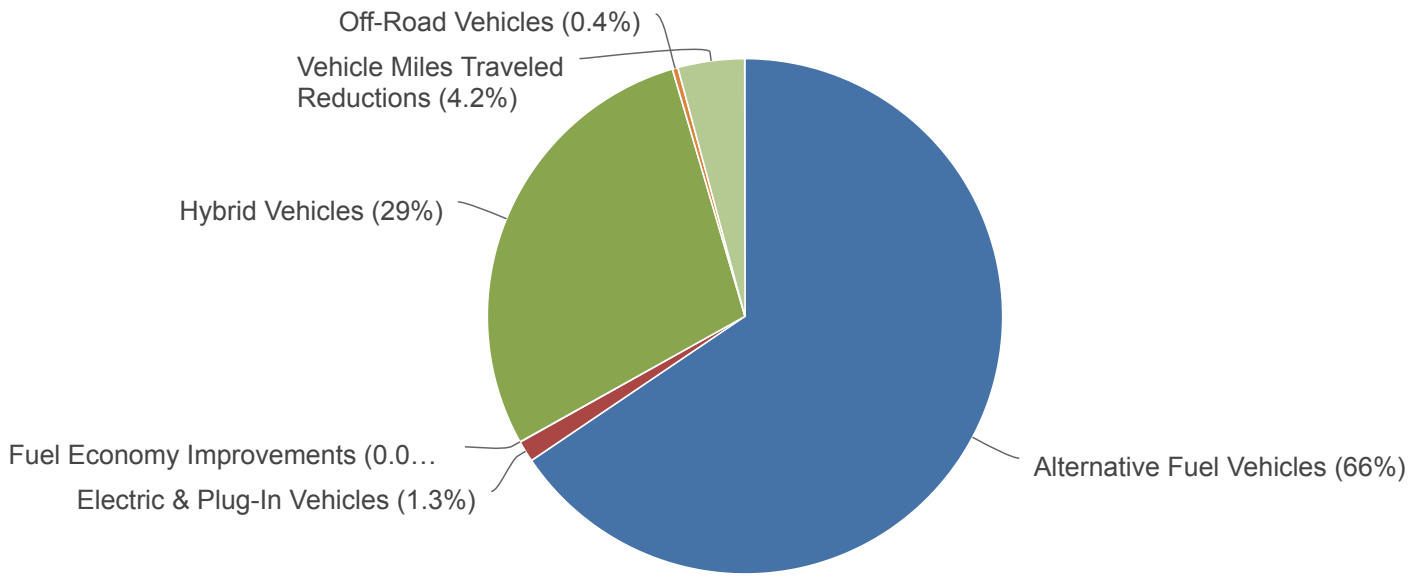
The U.S. Department of Energy's (DOE) Clean Cities Coalition Network fosters the nation's economic, environmental, and energy security by working locally to advance affordable, domestic transportation fuels, energy efficient mobility systems, and other fuel-saving technologies and practices. A national network of more than 75 coalitions serve as the foundation of Clean Cities by working in communities across the country to implement alternative fuels, fuel-saving technologies and practices, and new mobility choices.

Every year, each Clean Cities coalition submits to DOE an annual report of its activities and accomplishments for the previous calendar year. Coalition coordinators, who lead the local coalitions, provide information and data via an online database managed by the National Renewable Energy Laboratory (NREL). The data characterize membership, funding, projects, and activities of the coalitions. The coordinators also submit data on the sales of alternative fuels, deployment of alternative fuel vehicles, idle-reduction initiatives, fuel economy activities, and efforts to reduce vehicle miles traveled. NREL and DOE analyze the data and translate them into energy use impact, greenhouse gas reduction, and other metrics to show progress supporting the Clean Cities mission for individual coalitions and the network as a whole. This report summarizes those impacts for .

To view aggregated data for all local coalitions in the network, visit cleancities.energy.gov/accomplishments.

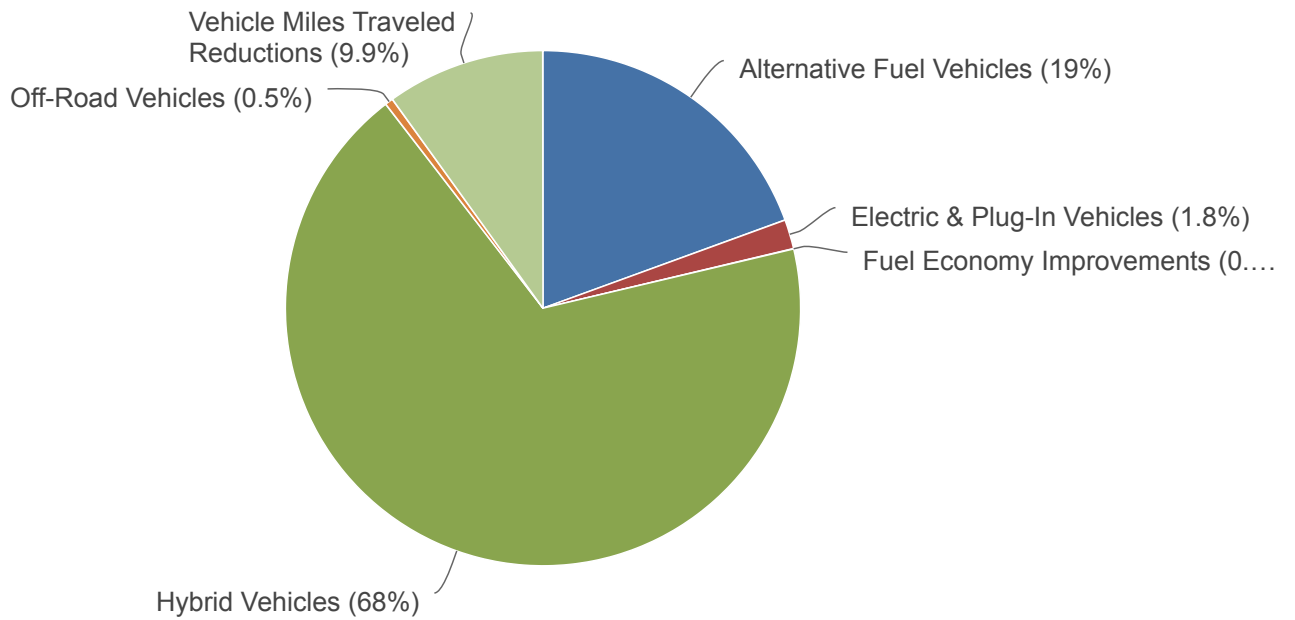
2020 Gallons of Gasoline Equivalent Reduced

9,198,987 gallons

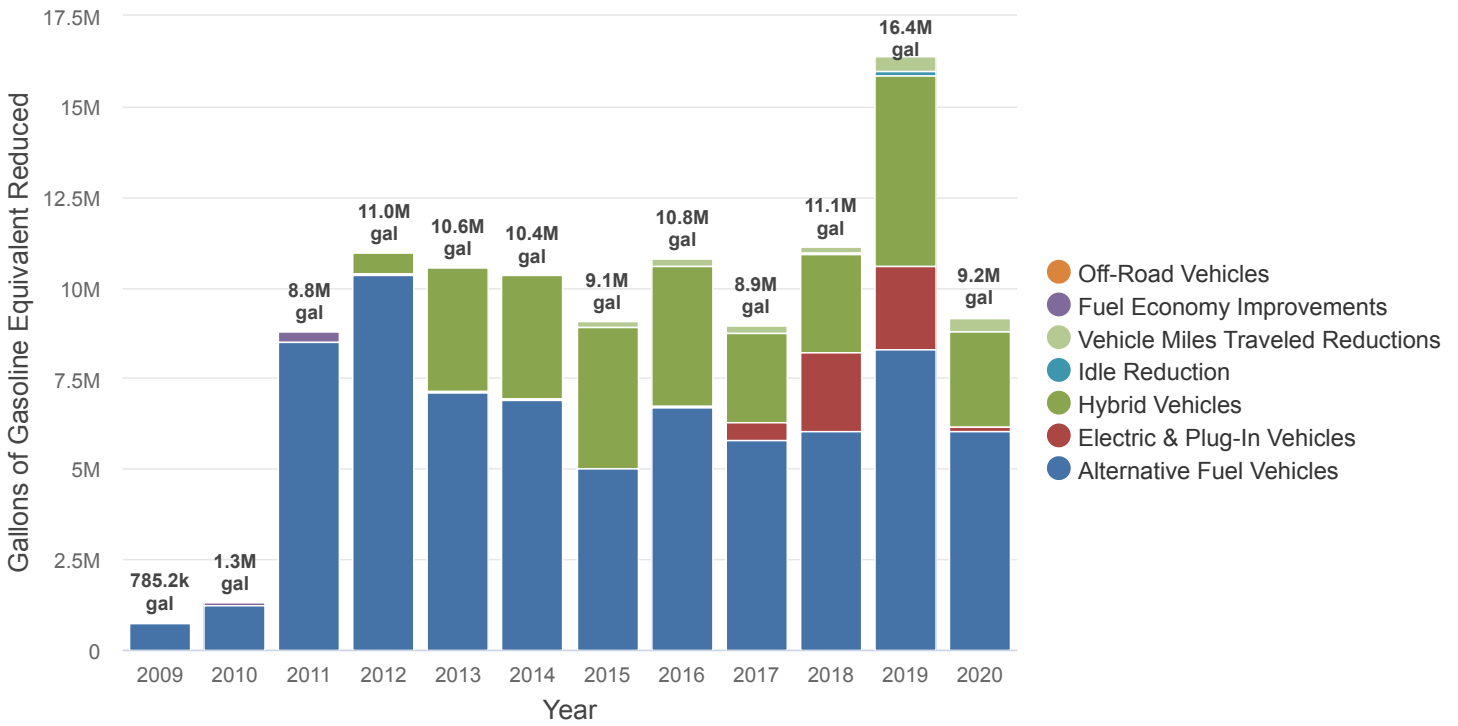


2020 Greenhouse Gas Emissions Reduced

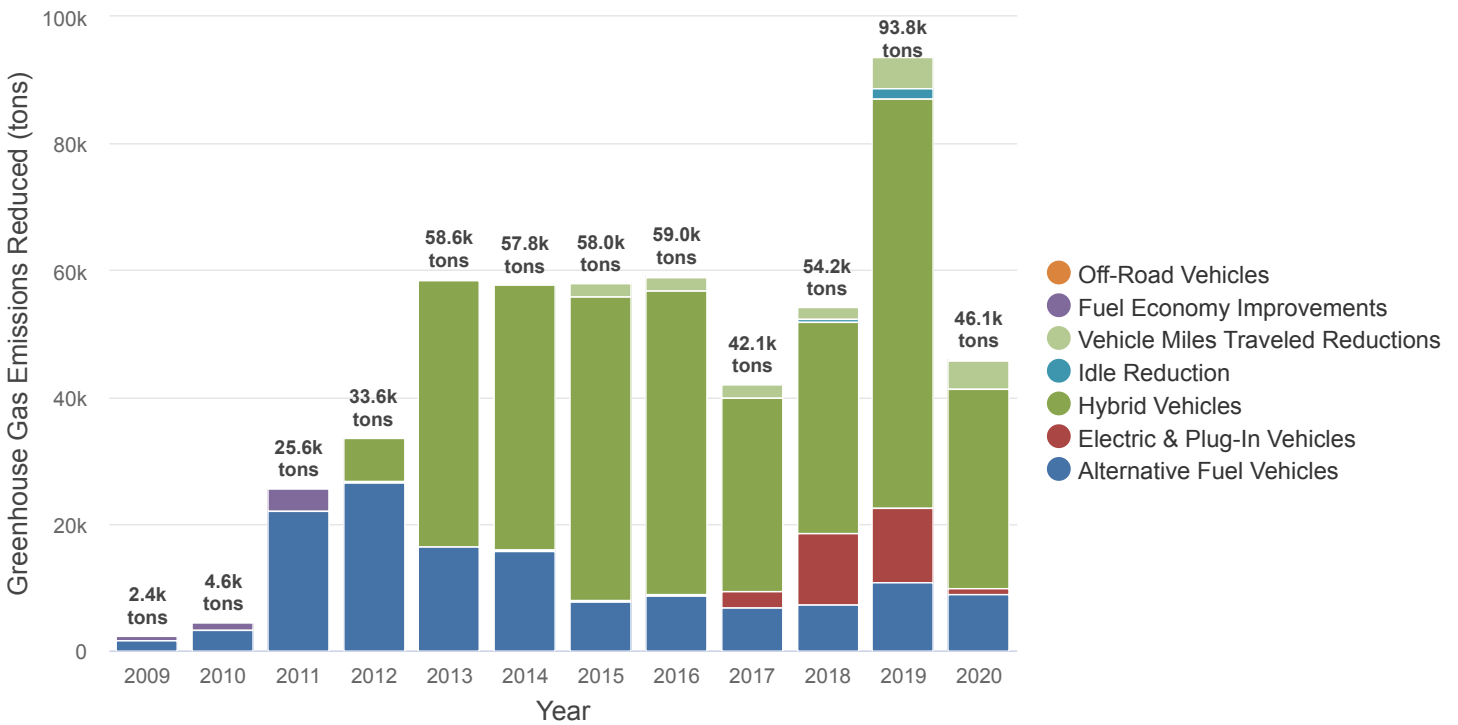
46,096 tons



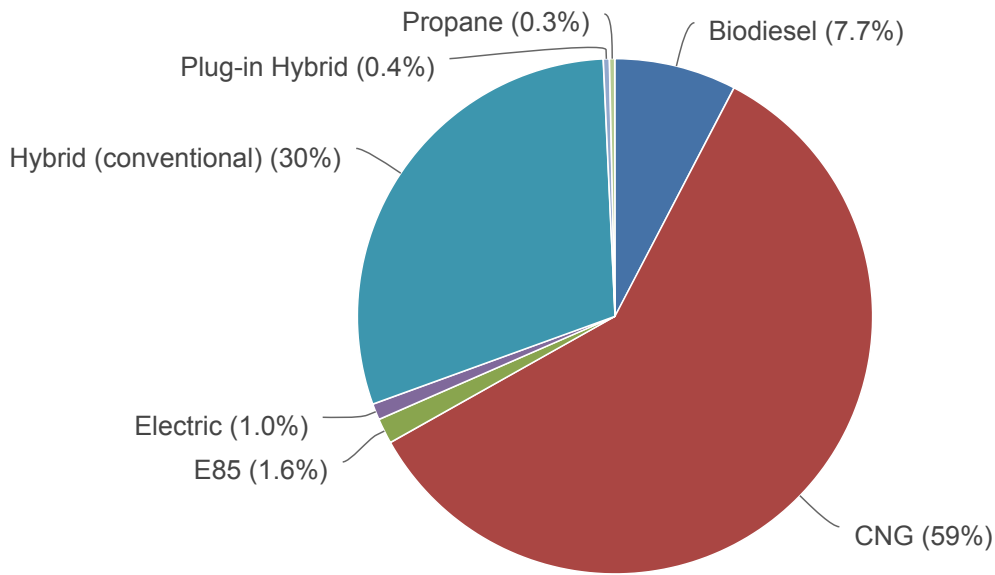
Historical Gallons of Gasoline Equivalent Reduced



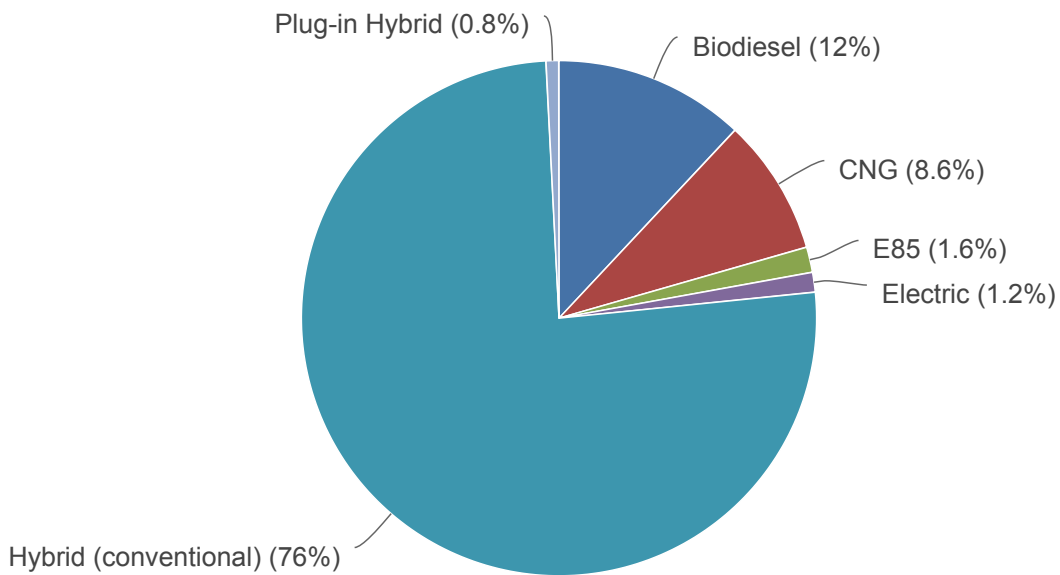
Historical Greenhouse Gas Emissions Reduced



2020 Gallons of Gasoline Equivalent Reduced by Fuel Type for Alternative Fuel Projects
8,811,329 gallons



2020 Greenhouse Gas Emissions Reduced by Fuel Type for Alternative Fuel Projects
41,496 tons



Criteria Pollutant Emissions Reduced

Criteria pollutants are chemicals that have been linked to human health effects and therefore regulated in the Clean Air Act of 1970. Criteria pollutants include nitrogen oxides (NO_x) and volatile organic compounds (VOC), both precursors to ozone pollution or smog. They also include particulate matter (PM) grouped into 10 and 2.5 micron sizes. The Clean Cities annual report calculates them using the same assumptions and default values as AFLEET 2016, with some adjustments to fit specific data inputs. They are quantified at vehicle tailpipes, as those are the emissions contributing to the regulated "ambient" air quality of a given city. Upstream emissions from electric power plants, refineries, and biofuel feedstock farms are not included in this summary since those operations typically do not take place in or near population centers where the vehicles are operated and health effects can be documented. When a specific pollutant surpasses a given threshold for a given area, the area is considered to be in "nonattainment" for that pollutant. Nonattainment areas for given pollutants can be viewed at www.epa.gov/green-book. Carbon Monoxide benefits are not included since no Clean Cities coalitions are in nonattainment areas for CO. To learn more about what your emissions numbers mean, please take the Understanding Emissions or Emissions Compliance courses at [Clean Cities University](http://CleanCitiesUniversity.com).

Reductions by Technology*	NO _x	VOC**	PM10	PM2.5
CNG - Compressed Natural Gas	133,692 lb	193 lb	0 lb	0 lb
E85 - 85% Ethanol	5,571 lb	-212 lb	38 lb	9 lb
Electric (all-electric)	2,374 lb	113 lb	13 lb	12 lb
Hybrid (conventional)	153 lb	415 lb	0 lb	0 lb
Plug-in Hybrid	224 lb	345 lb	10 lb	9 lb
Propane	641 lb	-3 lb	1 lb	1 lb
VMT Reduction (Gasoline)	1,614 lb	2,579 lb	648 lb	142 lb
Total:	144,269 lb	3,431 lb	709 lb	173 lb

* This table accounts for criteria pollutants from alternative fuel vehicle, hybrid vehicle, and VMT reduction projects only. It does not include fuel economy, idle reduction, or off-road projects. Negative values indicate an increase in emissions.

** VOC is interchangeable with NMOG (non-methane organic gases) and NMHC (non-methane hydrocarbons) for all purposes relevant to the Clean Cities suite of technologies.

COALITION

Greater Washington Region Clean Cities Coalition - DC

<http://www.gwrccc.org>

Designated: 10/21/1993

Boundaries: District of Columbia, including Alexandria, VA; Arlington County, VA; City of Fairfax, VA; Fairfax County, VA; Falls Church, VA; Loudoun County, VA; City of Manassas, City of Manassas Park, Prince William County, VA. Works cooperatively with bordering coalitions in Virginia and Maryland.

COORDINATORS

	Address	Telephone	Fax
Antoine Thompson	2000 14th St, NW, Ste 330 P.O. Box 73402, 20056-3402 Washington, DC 20009	202-671-1580	

Number of coordinators	1
Coordinator(s) hours per week on Clean Cities	60 hours
Other staff hours per week on Clean Cities	20 hours
How long have you been the coordinator?	4 years

OPERATING INFORMATION

Coalition organizational structure Standalone nonprofit (self-managed)

Stakeholders

Number of stakeholders	75
Number of private stakeholders	25
Stakeholder counting notes	
Does the State Energy Office provide any financial support to the coalition or stakeholders?	No
How would you rate the quality of the data on your survey?	Good
How do you obtain most of your data for the survey?	Paper, e-mail, or spreadsheet questionnaire to stakeholders
Has your coalition registered with www.grants.gov ?	Yes

2020 Outside Funding

Stakeholder dues collected	\$28,500
How much funding is obtained from other sources to cover coalition operating expenses?	\$10,000
Non-DOE or ARRA grant and matching funds spent in 2020	\$10,625
Total non-DOE or ARRA funding in 2020	\$49,125

VEHICLE & FUEL INVENTORY

Alternative Fuel & Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
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Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
American University	Heavy-Duty	Biodiesel (20%)	10	100% of time	24,161 gal	178.1 tons
Miles traveled per vehicle: 34,012 mi Average vehicle fuel economy: 3 MPG Market: General/Unknown Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
Arlington County, VA	Heavy-Duty	Biodiesel (20%)	285	100% of time	19,436 gal	143.2 tons
Miles traveled per vehicle: 7,200 mi Average vehicle fuel economy: 18 MPG Market: Government - Local Vehicle type: Truck: No Trailer Percentage from coalition: 80% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
Arlington County, VA	Light-Duty	E85 (blender pump)	1	100% of time	84 gal	0.4 tons
Miles traveled per vehicle: 2,750 mi Average vehicle fuel economy: 18 MPG Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
Arlington Regional Transit (ART)	Heavy-Duty	CNG	78	653,437 GGE	555,421 gal	362.5 tons
Market: Commuters Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
DC Water	Heavy-Duty	Biodiesel (20%)	73	2,686,398 gal	429,382 gal	3,164.2 tons
Market: Utility Vehicle type: Unknown/Other Percentage from coalition: 75% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
DC Water	Light-Duty	E85 (blender pump)	119	36,333 gal	15,017 gal	71.7 tons
Market: Utility Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
District of Columbia	Heavy-Duty	Biodiesel (20%)	754	781,127 gal	124,852 gal	920.1 tons
Market: Government - State Vehicle type: Truck: No Trailer Percentage from coalition: 75% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
District of Columbia	Heavy-Duty	CNG	4	11,335 GGE	7,226 gal	4.7 tons
Market: Government - State Vehicle type: Truck: Refuse Percentage from coalition: 75% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
District of Columbia	Light-Duty	CNG	102	21,037 GGE	14,989 gal	25.9 tons
Market: Government - State Vehicle type: Pickup/SUV/Van Percentage from coalition: 75% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
District of Columbia	Light-Duty	E85	597	201,763 gal	83,390 gal	398.3 tons
Market: Government - State Vehicle type: Pickup/SUV/Van Percentage from coalition: 75% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
Frederick County, MD	Heavy-Duty	E85	88	10% of time	4,975 gal	13.4 tons
Miles traveled per vehicle: 7,387 mi Average vehicle fuel economy: 4 MPG Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 65% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
Frederick County, MD	Light-Duty	E85	30	10% of time	464 gal	2.2 tons
Miles traveled per vehicle: 7,647 mi Average vehicle fuel economy: 18 MPG Market: Government - Local Vehicle type: Car Percentage from coalition: 65% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
Frederick County, MD	Light-Duty	E85	189	10% of time	10,592 gal	50.6 tons
Miles traveled per vehicle: 12,360 mi Average vehicle fuel economy: 8 MPG Market: Government - Local Vehicle type: Patrol Car Percentage from coalition: 65% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
Frederick County, MD	Light-Duty	E85	2	10% of time	0 gal	0.0 tons
Miles traveled per vehicle: 93 mi Average vehicle fuel economy: 32 MPG Market: Government - Local Vehicle type: Motorcycle Percentage from coalition: 65% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
Frederick County, MD	Light-Duty	E85	250	10% of time	5,330 gal	25.5 tons
Miles traveled per vehicle: 7,618 mi Average vehicle fuel economy: 13 MPG Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 65% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Montgomery County	Light-Duty	E85 (blender pump)	943	18,546 gal	10,220 gal	48.8 tons
<p>Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No 669 cars and 274 pickups/SUVs/Vans/UVs</p>						
Montgomery County, MD Ride-On	Heavy-Duty	CNG	96	1,563,935 GGE	1,329,345 gal	867.5 tons
<p>Market: Commuters Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No</p>						
National Mall & Memorial Parks	Light-Duty	E85 (blender pump)	5	100% of time	243 gal	1.2 tons
<p>Miles traveled per vehicle: 5,000 mi Average vehicle fuel economy: 17 MPG Market: National Parks Vehicle type: Car Percentage from coalition: 30% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No</p>						
National Mall & Memorial Parks	Light-Duty	E85 (blender pump)	26	100% of time	594 gal	2.8 tons
<p>Miles traveled per vehicle: 2,350 mi Average vehicle fuel economy: 17 MPG Market: National Parks Vehicle type: Car Percentage from coalition: 30% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No</p>						
Pepco	Heavy-Duty	Biodiesel (20%)	422	100% of time	43,752 gal	322.4 tons
<p>Miles traveled per vehicle: 12,000 mi Average vehicle fuel economy: 7 MPG Market: Utility Vehicle type: Truck: No Trailer Percentage from coalition: 30% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No</p>						
Prince George's County, MD	Heavy-Duty	Propane	23	37,460 gal	23,636 gal	N/A
<p>Market: Government - Local Vehicle type: Bus: Shuttle Percentage from coalition: 100% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No</p> <p>* GHG emissions for this project are not estimated to be less than an equivalent diesel fleet. If LPG vehicles replace gasoline, please change vehicle type from HDV to LDV.</p>						
Schwan's - Medium-duty Propane	Light-Duty	Propane	2	7,924 gal	6,000 gal	8.9 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Market: Corporate Fleet Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: Yes Energy Efficient Mobility Systems Partnership: No						
Smithsonian	Heavy-Duty	Biodiesel (20%)	21	100% of time	2,903 gal	21.4 tons
Miles traveled per vehicle: 6,000 mi Average vehicle fuel economy: 7 MPG Market: General/Unknown Vehicle type: Truck: No Trailer Percentage from coalition: 80% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
Smithsonian	Light-Duty	E85 (blender pump)	138	10,300 gal	4,541 gal	21.7 tons
Market: General/Unknown Vehicle type: Pickup/SUV/Van Percentage from coalition: 80% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
Unity Disposal & Recycling LLC	Heavy-Duty	CNG	10	100% of time	29,467 gal	19.2 tons
Miles traveled per vehicle: 13,000 mi Average vehicle fuel economy: 3 MPGde Market: General/Unknown Vehicle type: Truck: Refuse Percentage from coalition: 80% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
Washington Gas	Heavy-Duty	CNG	1	100% of time	312 gal	0.2 tons
Miles traveled per vehicle: 6,000 mi Average vehicle fuel economy: 9 MPGde Market: Utility Vehicle type: Truck: No Trailer Percentage from coalition: 55% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
Washington Gas	Light-Duty	CNG	288	100% of time	128,983 gal	222.7 tons
Miles traveled per vehicle: 12,000 mi Average vehicle fuel economy: 14 MPGge Market: Utility Vehicle type: Pickup/SUV/Van Percentage from coalition: 55% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
Washington Sanitary Sewer Commission (WSSC)	Light-Duty	E85	558	10% of time	3,375 gal	16.1 tons
Miles traveled per vehicle: 5,620 mi Average vehicle fuel economy: 13 MPG Market: Utility Vehicle type: Pickup/SUV/Van Percentage from coalition: 25% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
Washington Sanitary Sewer Commission (WSSC)	Light-Duty	E85	30	10% of time	1,275 gal	6.1 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Miles traveled per vehicle: 24,375 mi Average vehicle fuel economy: 8 MPG Market: Utility Vehicle type: Patrol Car Percentage from coalition: 25% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
Washington Sanitary Sewer Commission (WSSC)	Light-Duty	E85	33	10% of time	134 gal	0.6 tons
Miles traveled per vehicle: 5,231 mi Average vehicle fuel economy: 18 MPG Market: Utility Vehicle type: Car Percentage from coalition: 25% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
WMATA	Heavy-Duty	CNG	433	3,706,302 GGE	3,150,357 gal	2,055.9 tons
Market: Commuters Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
Total:			5,611		6,030,456 gal	8,965 tons

Electric, Hybrid & Plug-in Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
American University	Light-Duty	Electric	10	826 gal	-1.4 tons
Average electric fuel economy: 111 kWh/100mi Miles traveled per vehicle per year: 1,900 mi Market: General/Unknown Vehicle type: Low-Speed/Neighborhood Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No					
American University	Light-Duty	HEV	1	27 gal	0.3 tons
Average vehicle fuel economy: 29 MPG Miles traveled per vehicle per year: 3,000 mi Market: General/Unknown Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No					
American University	Light-Duty	PHEV	1	28 gal	-0.8 tons
Average electric fuel economy: 111 kWh/100mi Average vehicle fuel economy: 31 MPG Miles traveled per vehicle per year: 2,500 mi Market: General/Unknown Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No					
Arlington County Police, VA	Light-Duty	HEV	14	8,018 gal	95.1 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
<p>Average vehicle fuel economy: 32 MPG Miles traveled per vehicle per year: 12,000 mi Market: Government - Local Vehicle type: Patrol Car Percentage from coalition: 80% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
Arlington County Police, VA	Light-Duty	HEV	5	2,586 gal	30.7 tons
<p>Average vehicle fuel economy: 27 MPG Miles traveled per vehicle per year: 12,000 mi Market: Government - Local Vehicle type: Patrol Car Percentage from coalition: 80% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
Arlington County, VA	Light-Duty	Electric	8	621 gal	-1.1 tons
<p>Average electric fuel economy: 111 kWh/100mi Miles traveled per vehicle per year: 2,230 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 80% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
Arlington County, VA	Light-Duty	HEV	30	1,456 gal	17.3 tons
<p>Average vehicle fuel economy: 32 MPG Miles traveled per vehicle per year: 2,200 mi Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 80% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
Arlington County, VA	Light-Duty	HEV	38	1,570 gal	18.6 tons
<p>Average vehicle fuel economy: 50 MPG Miles traveled per vehicle per year: 2,200 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 80% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
Arlington County, VA	Light-Duty	HEV	5	173 gal	2.0 tons
<p>Average vehicle fuel economy: 36 MPG Miles traveled per vehicle per year: 2,200 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
Arlington County, VA	Light-Duty	HEV	32	1,385 gal	16.4 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
<p>Average vehicle fuel economy: 42 MPG Miles traveled per vehicle per year: 2,200 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
City of Manassas, VA	Light-Duty	HEV	4	720 gal	8.5 tons
<p>Average vehicle fuel economy: 44 MPG Miles traveled per vehicle per year: 2,470 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
City of Manassas, VA	Light-Duty	HEV	9	2,534 gal	30.1 tons
<p>Average vehicle fuel economy: 17 MPG Miles traveled per vehicle per year: 6,667 mi Market: Government - Local Vehicle type: Patrol Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
City of Manassas, VA	Light-Duty	PHEV	1	47 gal	0.5 tons
<p>Average vehicle fuel economy: 44 MPG Miles traveled per vehicle per year: 650 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
DC Circulator Bus	Heavy-Duty	Electric	14	77,277 gal	468.3 tons
<p>Electricity used: 859,000 kWh Market: Commuters Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No 12,423 miles traveled per vehicle per year</p>					
DC Department of Hired Vehicles - taxi fleet	Light-Duty	Electric	82	2,717 gal	22.1 tons
<p>Average electric fuel economy: 30 kWh/100mi Miles traveled per vehicle per year: 774 mi Market: Taxis Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
DC Department of Hired Vehicles - taxi fleet	Light-Duty	HEV	1,030	57,918 gal	687.2 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
<p>Average vehicle fuel economy: 45 MPG Miles traveled per vehicle per year: 2,756 mi Market: Taxis Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
DC Department of Hired Vehicles - taxi fleet	Light-Duty	PHEV	53	1,630 gal	14.6 tons
<p>Average vehicle fuel economy: 55 MPG Miles traveled per vehicle per year: 1,250 mi Market: Taxis Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
DC Water	Light-Duty	Electric	9	237 gal	0.3 tons
<p>Average electric fuel economy: 111 kWh/100mi Miles traveled per vehicle per year: 633 mi Market: Utility Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
District of Columbia	Light-Duty	Electric	10	1,875 gal	8.9 tons
<p>Average electric fuel economy: 111 kWh/100mi Miles traveled per vehicle per year: 3,000 mi Market: Government - State Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
District of Columbia	Light-Duty	HEV	92	12,204 gal	144.8 tons
<p>Average vehicle fuel economy: 40 MPG Miles traveled per vehicle per year: 3,032 mi Market: Government - State Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
District of Columbia	Light-Duty	PHEV	101	11,594 gal	133.0 tons
<p>Average vehicle fuel economy: 35 MPG Miles traveled per vehicle per year: 2,795 mi Market: Government - State Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
Fairfax County, VA	Heavy-Duty	HEV	1	177 gal	2.1 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
<p>Average vehicle fuel economy: 9 MPG Miles traveled per vehicle per year: 4,800 mi Market: Government - Local Vehicle type: Truck: No Trailer Percentage from coalition: 80% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
Fairfax County, VA	Light-Duty	Electric	2	48 gal	-0.4 tons
<p>Average electric fuel economy: 111 kWh/100mi Miles traveled per vehicle per year: 1,000 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 80% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
Fairfax County, VA	Light-Duty	HEV	29	1,821 gal	21.6 tons
<p>Average vehicle fuel economy: 19 MPG Miles traveled per vehicle per year: 2,850 mi Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 80% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
Fairfax County, VA	Light-Duty	HEV	76	3,391 gal	40.2 tons
<p>Average vehicle fuel economy: 35 MPG Miles traveled per vehicle per year: 2,948 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 80% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
Frederick County, MD	Light-Duty	HEV	2	117 gal	1.4 tons
<p>Average vehicle fuel economy: 35 MPG Miles traveled per vehicle per year: 3,127 mi Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 65% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
Frederick County, MD	Light-Duty	HEV	15	800 gal	9.5 tons
<p>Average vehicle fuel economy: 44 MPG Miles traveled per vehicle per year: 4,331 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 65% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
Montgomery County, MD	Light-Duty	HEV	119	10,229 gal	121.4 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
<p>Average vehicle fuel economy: 19 MPG Miles traveled per vehicle per year: 5,685 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
Montgomery County Ride-On	Heavy-Duty	HEV	53	138,415 gal	1,658.6 tons
<p>Average vehicle fuel economy: 5 MPG Miles traveled per vehicle per year: 16,971 mi Market: Commuters Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
National Mall & Memorial Parks	Light-Duty	Electric	6	180 gal	1.9 tons
<p>Average electric fuel economy: 11 kWh/100mi Miles traveled per vehicle per year: 2,000 mi Market: National Parks Vehicle type: Low-Speed/Neighborhood Percentage from coalition: 30% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
National Mall & Memorial Parks	Light-Duty	Electric	3	117 gal	-0.2 tons
<p>Average electric fuel economy: 111 kWh/100mi Miles traveled per vehicle per year: 3,000 mi Market: National Parks Vehicle type: Car Percentage from coalition: 30% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
National Mall & Memorial Parks	Light-Duty	HEV	8	72 gal	0.9 tons
<p>Average vehicle fuel economy: 25 MPG Miles traveled per vehicle per year: 3,000 mi Market: National Parks Vehicle type: Car Percentage from coalition: 30% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
Pepco	Light-Duty	Electric	3	210 gal	-0.5 tons
<p>Average electric fuel economy: 111 kWh/100mi Miles traveled per vehicle per year: 5,600 mi Market: Utility Vehicle type: Car Percentage from coalition: 30% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
Prince George's County	Light-Duty	Electric	2	800 gal	8.5 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
<p>Average electric fuel economy: 11 kWh/100mi Miles traveled per vehicle per year: 8,800 mi Market: Government - Local Vehicle type: Low-Speed/Neighborhood Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
Prince George's County, MD	Light-Duty	Electric	2	89 gal	-0.5 tons
<p>Average electric fuel economy: 118 kWh/100mi Miles traveled per vehicle per year: 1,200 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
Prince George's County, MD	Light-Duty	HEV	46	3,870 gal	45.9 tons
<p>Average vehicle fuel economy: 46 MPG Miles traveled per vehicle per year: 5,500 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
Prince George's County, MD	Light-Duty	PHEV	154	20,538 gal	187.0 tons
<p>Average vehicle fuel economy: 52 MPG Miles traveled per vehicle per year: 5,500 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
Smithsonian	Light-Duty	Electric	22	3,061 gal	-5.3 tons
<p>Average electric fuel economy: 111 kWh/100mi Miles traveled per vehicle per year: 4,000 mi Market: General/Unknown Vehicle type: Car Percentage from coalition: 80% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
Washington Sanitary Sewer Commission	Light-Duty	HEV	6	343 gal	4.1 tons
<p>Average vehicle fuel economy: 36 MPG Miles traveled per vehicle per year: 11,525 mi Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 25% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
WMATA	Heavy-Duty	Electric	1	1,159 gal	11.2 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
<p>Average electric fuel economy: 167 kWh/100mi Miles traveled per vehicle per year: 3,013 mi Market: Commuters Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
WMATA	Heavy-Duty	HEV	923	2,378,411 gal	28,500.3 tons
<p>Average vehicle fuel economy: 4 MPG Miles traveled per vehicle per year: 23,443 mi Market: Commuters Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: - Energy Efficient Mobility Systems Partnership: No</p>					
Total:			3,022	2,749,293 gal	32,303 tons

Off-Road Vehicles

Fleet Name	Application	Method	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
DC Water	Construction equipment	Alternative fuel or vehicles	Biodiesel (5%)	43	28,286 gal	208.4 tons
<p>Fuel used: 707,882 gal Percentage from coalition: 75% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No</p>						
National Mall & Memorial Parks	Construction equipment	Alternative fuel or vehicles	Propane	7	473 gal	-0.2 tons
<p>Fuel used: 2,500 gal Percentage from coalition: 30% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No</p>						
Pepco	Forklifts	Alternative fuel or vehicles	Biodiesel (5%)	20	8 gal	0.1 tons
<p>Fuel used: 500 gal Percentage from coalition: 30% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No</p>						
Pepco	Construction equipment	Alternative fuel or vehicles	Biodiesel (5%)	32	80 gal	0.6 tons
<p>Fuel used: 5,000 gal Percentage from coalition: 30% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No</p>						
Prince George's County	Forklifts	Fuel economy improvement	Gasoline	2	800 gal	9.5 tons
<p>Fuel reduced: 800 gal Percentage from coalition: 100% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No</p>						
Smithsonian	Construction equipment	Alternative fuel or vehicles	Biodiesel (20%)	102	2,036 gal	15.0 tons

Fleet Name	Application	Method	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Fuel used: 11,940 gal Percentage from coalition: 80% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
Smithsonian	Construction equipment	Alternative fuel or vehicles	Electric	119	697 gal	4.1 tons
Fuel used: 10,000 kWh Percentage from coalition: 80% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
Total:				325	32,380 gal	237 tons

FUEL ECONOMY

Fuel Economy Improvements

Fleet Name	Previous Fuel	Current Fuel	Number of Vehicles	Miles Traveled per Vehicle	GGE Reduced	GHG Reduced
Frederick County, MD	19 MPG	21 MPG	17	12,500 mi	692 gal	8.2 tons
Method: Vehicle - More efficient Vehicle class: Light-Duty Market: Government - Local Vehicle type: Patrol Car Percentage from coalition: 65% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
Frederick County, MD	13 MPG	20 MPG	1	1,425 mi	24 gal	0.3 tons
Method: Vehicle - Smaller Vehicle class: Light-Duty Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 65% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
Frederick County, MD	13 MPG	20 MPG	1	4,079 mi	67 gal	0.8 tons
Method: Vehicle - Smaller Vehicle class: Light-Duty Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 65% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
Washington Sanitary Sewer Commission	28 MPG	42 MPG	6	14,000 mi	250 gal	3.0 tons
Method: Vehicle - More efficient Vehicle class: Light-Duty Market: Utility Vehicle type: Pickup/SUV/Van Percentage from coalition: 25% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No						
Total:			25	32,004 mi	1,033 gal	12 tons

Vehicle Miles Traveled Reductions

Project Name	Method	Vehicle Class	GGE Reduced	GHG Reduced
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Project Name	Method	Vehicle Class	GGE Reduced	GHG Reduced
Capital Bikeshare	Non-motorized locomotion (e.g., bicycles)	Light-Duty	385,825 gal	4,577.6 tons
Fuel type of vehicles driven less: Gasoline Fuel economy of vehicles driven less: 23 MPG Number of vehicles driven less: 5,382 VMT project per vehicle being driven less: 1,620 mi Percentage from coalition: 100% National Clean Fleets Partnership: No Energy Efficient Mobility Systems Partnership: No <i>Based on 8,719,642.7 miles traveled by 5,382 bicycles</i>				
Total:			385,825 gal	4,578 tons

FUEL STATIONS

New Stations

Fuel	Public Stations	Private Stations
Biodiesel	-	1
CNG - Compressed Natural Gas	-	-
E85 - 85% Ethanol	-	-
Electric Charging Outlets: Level 1 & Level 2	2	1
Electric Charging Outlets: DC Fast Chargers	-	-
Hydrogen	-	-
LNG - Liquefied Natural Gas	-	-
Propane	-	-
Total:	2	2

OUTREACH ACTIVITIES

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Washington Auto Show	01/23/2020, 02/02/2020	Conference Participation	100%	50,000
Technology: Electric vehicles Audience: General Public, Government <i>Was instrumental in establishing the EV showcase at the auto show</i>				
B-100 Workshop and Tour	06/25/2020	Workshop Held By Coalition	100%	100
Technology: Biodiesel Audience: Government, Private Fleets <i>Workshop and tour held at the DC Department of Public Works in conjunction with the National Biodiesel Board and REG, a GWRCCC stakeholder.</i>				
Biodiesel Training Workshops for Diesel Technicians	07/15/2020, 07/16/2020	Workshop Held By Coalition	100%	150
Technology: Biodiesel Audience: Government, Private Fleets <i>Help organize and participated in a virtual two-day technician training biodiesel workshop for diesel technicians</i>				
Total:				50,250

GRANTS

Name	Grantor	Total Grant Amount	Total Matching Funds	Total Project Funding	Grant Amount Spent in 2020	Matching Funds Spent in 2020	Total Project Funding Spent in 2020
	National Biodiesel Foundation	\$5,000	-	\$5,000	\$5,000	\$0	\$5,000
Length of grant: 1 years Year grant began: 2020 Sources of the grant: Foundation or Nonprofit Technologies: B100 - 100 percent Biodiesel, Biodiesel Blends							
	US Department of Energy Mid Atlantic Electrification Partnership	\$602,603	-	\$602,603	\$25,000	\$0	\$25,000
Length of grant: 4 years Year grant began: 2020 Sources of the grant: U.S. Department of Energy Partners: Commonwealth of Virginia - Dept. of Mines, Minerals and Energy Technologies: Electricity							
	US Department of Energy Mid Atlantic School Bus Experience	\$59,994	-	\$59,994	\$3,000	\$0	\$3,000
Length of grant: 4 years Year grant began: 2019 Sources of the grant: U.S. Department of Energy Partners: James Madison University Technologies: Electricity							
	US Department of Energy - Multi-Unit Dwelling Plug-in Electric	\$15,000	\$22,500	\$37,500	\$6,000	\$5,625	\$11,625
Length of grant: 4 years Year grant began: 2019 Sources of the grant: U.S. Department of Energy Partners: Center for Sustainable Energy Technologies: Electricity							
Total:		\$682,597	\$22,500	\$705,097	\$39,000	\$44,625	