U.S. DEPARTMENT OF ENERGY | Energy Efficiency & Renewable Energy

2016 Transportation Technology Deployment Report:

Greater Washington Region Clean Cities Coalition

Expanded Edition

March 2017

Clean Cities
U.S. Department of Energy

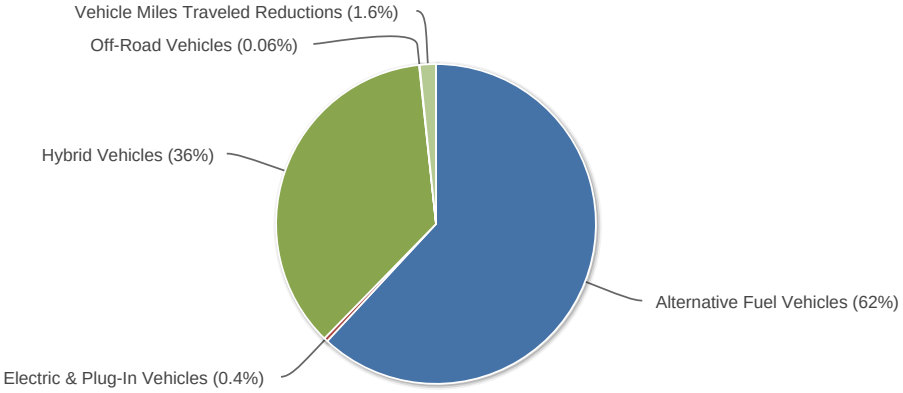
The U.S. Department of Energy's (DOE) Clean Cities program advances the nation's economic, environmental, and energy security by supporting local actions to reduce petroleum use in transportation. A national network of nearly 100 Clean Cities coalitions brings together stakeholders in the public and private sectors to deploy alternative and renewable fuels, idle-reduction measures, fuel economy improvements, and new transportation technologies, as they emerge.

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 and hybrid electric vehicles, idle-reduction initiatives, fuel economy activities, and programs to reduce vehicle miles traveled. NREL and DOE analyze the data and translate them into petroleum-use and greenhouse gas reduction impacts for individual coalitions and the program as a whole. This report summarizes those impacts for Greater Washington Region Clean Cities Coalition.

To view aggregated data for all local coalitions that participate in the Clean Cities program, visit cleancities.energy.gov/accomplishments.

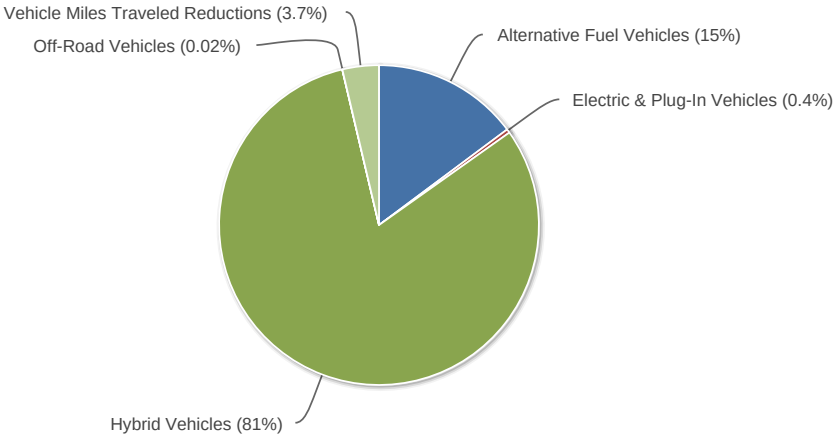
2016 Gallons of Gasoline Equivalent Reduced

10,798,987 gallons

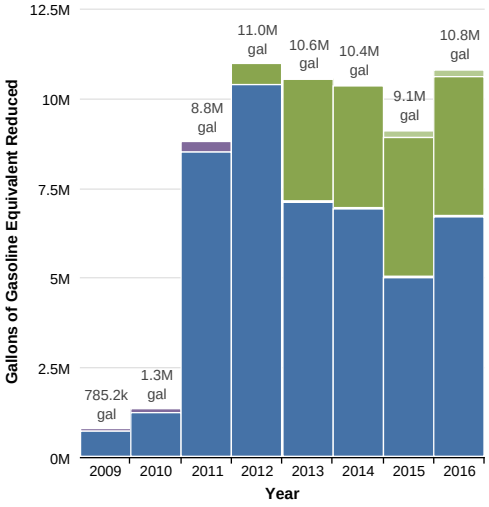


2016 Greenhouse Gas Emissions Reduced

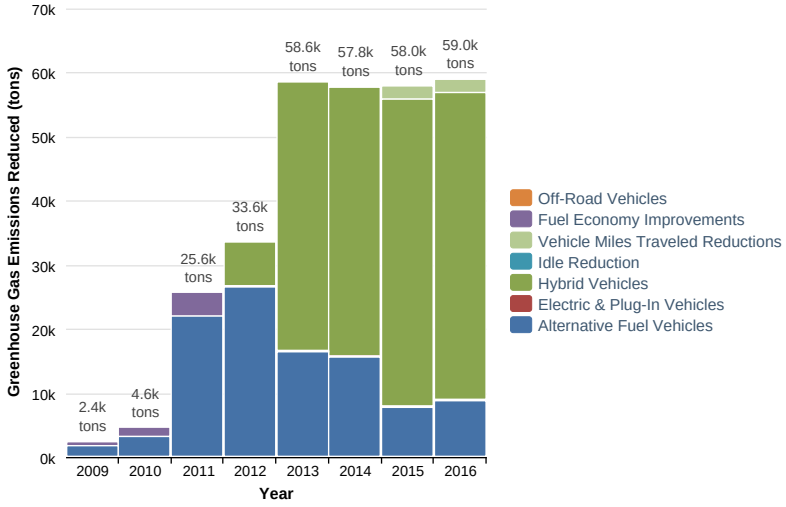
59,045 tons



Historical Gallons of Gasoline Equivalent Reduced

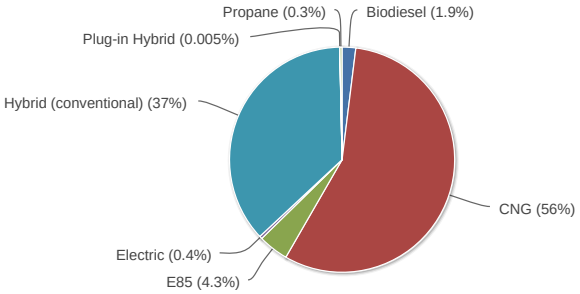


Historical Greenhouse Gas Emissions Reduced



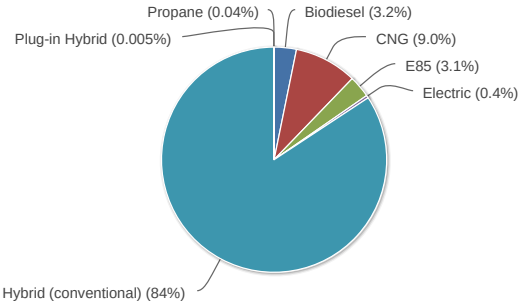
2016 Gallons of Gasoline Equivalent Reduced by Fuel Type for Alternative Fuel Projects

10,622,390 gallons



2016 Greenhouse Gas Emissions Reduced by Fuel Type for Alternative Fuel Projects

56,869 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. 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. This means that they omit emissions from sources such as electric power plants, refineries, and biofuel feedstock farms (where emissions are sufficiently removed from populations in order to minimize health effects). 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. To learn more about what your emissions numbers mean, please take the Understanding Emissions or Emissions Compliance courses at Clean Cities University.

Reductions by Fuel Type*	NOx	VOC	CO	PM10	PM2.5
Biodiesel	0 lb	0 lb	0 lb	0 lb	0 lb
CNG - Compressed Natural Gas	134,665 lb	335 lb	-1,588,099 lb	0 lb	0 lb
E85 - 85% Ethanol	0 lb	416 lb	0 lb	0 lb	0 lb
Electric (all-electric)	472 lb	672 lb	7,621 lb	14 lb	14 lb
Hybrid (conventional)	252 lb	914 lb	23,276 lb	0 lb	0 lb
Plug-in Hybrid	34 lb	49 lb	551 lb	1 lb	1 lb
Propane	0 lb	0 lb	0 lb	0 lb	0 lb
VMT Reduction (Gasoline)	1,149 lb	1,655 lb	18,316 lb	304 lb	67 lb
Total:	**136,572 lb**	**4,041 lb**	**-1,538,335 lb**	**320 lb**	**81 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.

COALITION

Greater Washington Region Clean Cities Coalition - DC

http://www.gwrccc.org

Designated: 10/21/1993
Boundaries: District of Columbia; includes 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
Ira Dorfman	2000 14th St, NW, Ste 330 P.O. Box 73402, 20056-3402 Washington, DC 20009		

Number of coordinators	2
Coordinator(s) hours per week on Clean Cities	80 hours
Other staff hours per week on Clean Cities	60 hours
How long have you been the coordinator?	5 years

OPERATING INFORMATION

Host organization	Nonprofit - Standalone

Stakeholders

Number of stakeholders	47
Number of private stakeholders	38
Does the State Energy Office provide any financial support to the coalition or stakeholders?	Yes
Explain State Energy Office's support	
Grants	
How would you rate the quality of the data on your survey?	Excellent
How do you obtain most of your data for the survey?	Coalition records, Estimates, Paper, e-mail, or spreadsheet questionnaire to stakeholders, Phone calls to stakeholders
Has your coalition registered with www.grants.gov?	Yes

2016 Outside Funding

Stakeholder dues collected	$5,225
How much funding is obtained from other sources to cover coalition operating expenses?	$30,000
Non-DOE or ARRA grant and matching funds spent in 2016	$120,500
Total non-DOE or ARRA funding in 2016	$155,725

Alternative Fuel & Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
American Disposal Services	Heavy-Duty	CNG	23	100% of time	127,244 gal	107.1 tons
Miles traveled per vehicle: 25,000 mi **Average vehicle fuel economy:** 5 MPGde **Market:** Corporate Fleet **Vehicle type:** Truck: Refuse **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
American University	Heavy-Duty	Biodiesel (20%)	11	100% of time	3,457 gal	30.3 tons
Miles traveled per vehicle: 22,724 mi **Average vehicle fuel economy:** 12 MPG **Market:** General/Unknown **Vehicle type:** Bus: Shuttle **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						
American University	Light-Duty	Biodiesel (20%)	7	100% of time	1,507 gal	13.8 tons
Miles traveled per vehicle: 14,596 mi **Average vehicle fuel economy:** 15 MPG **Market:** Corporate Fleet **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
American University	Light-Duty	E85	11	100% of time	5,304 gal	20.7 tons
Miles traveled per vehicle: 10,500 mi **Average vehicle fuel economy:** 13 MPG **Market:** General/Unknown **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
Arlington County	Heavy-Duty	Biodiesel (20%)	85	100% of time	15,253 gal	133.6 tons
Miles traveled per vehicle: 14,596 mi **Average vehicle fuel economy:** 18 MPG **Market:** Government - Local **Vehicle type:** Truck: No Trailer **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
Arlington County	Light-Duty	Biodiesel (20%)	5	100% of time	590 gal	5.4 tons
Miles traveled per vehicle: 9,596 mi **Average vehicle fuel economy:** 18 MPG **Market:** Government - Local **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
Arlington County	Light-Duty	E85 (blender pump)	363	0% of time	0 gal	0.0 tons
Miles traveled per vehicle: 11,788 mi **Average vehicle fuel economy:** 17 MPG **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 20% **National Clean Fleets Partnership:** No *Not using E-85 as of yet (April 2017)*						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Arlington Regional Transit--ART	Heavy-Duty	CNG	51	100% of time	189,044 gal	159.2 tons
Miles traveled per vehicle: 35,734 mi **Average vehicle fuel economy:** 8 MPGde **Market:** Government - Local **Vehicle type:** Bus: Transit **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						
Arlington Regional Transit--ART	Light-Duty	CNG	14	100% of time	28,000 gal	36.3 tons
Miles traveled per vehicle: 30,000 mi **Average vehicle fuel economy:** 15 MPGge **Market:** Government - Local **Vehicle type:** Unknown/Other **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *Light-Duty Buses*						
Blossman Gas	Light-Duty	Propane	12	90% of time	3,375 gal	4.8 tons
Miles traveled per vehicle: 12,500 mi **Average vehicle fuel economy:** 20 MPGge **Market:** Corporate Fleet **Vehicle type:** Car **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No *This number represents (4) sedans and (8) vans.*						
District of Columbia Government	Heavy-Duty	Biodiesel (20%)	894	100% of time	130,958 gal	1,146.8 tons
Miles traveled per vehicle: 13,239 mi **Average vehicle fuel economy:** 15 MPG **Market:** Government - State **Vehicle type:** Truck: No Trailer **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						
District of Columbia Government	Heavy-Duty	CNG	2	100% of time	4,149 gal	3.5 tons
Miles traveled per vehicle: 25,000 mi **Average vehicle fuel economy:** 10 MPGde **Market:** Government - State **Vehicle type:** Truck: Refuse **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						
District of Columbia Government	Heavy-Duty	CNG	11	100% of time	5,554 gal	4.7 tons
Miles traveled per vehicle: 10,951 mi **Average vehicle fuel economy:** 18 MPGde **Market:** Government - State **Vehicle type:** Unknown/Other **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No *VAN: WINDOW: 7-8 PASSENGER (1/2 TON); VAN: CARGO: STEP VAN; PICKUP: 3/4 TON EXTENDED CAB; VAN: WINDOW: 15 PASSENGER (6) ; VAN: CARGO STANDARD; VAN: CARGO STEP VAN: Street Sweeper: Dump Trucks*						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
District of Columbia Government	Heavy-Duty	E85 (blender pump)	29	100% of time	5,771 gal	14.2 tons
Miles traveled per vehicle: 8,000 mi **Average vehicle fuel economy:** 18 MPG **Market:** Government - State **Vehicle type:** Unknown/Other **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No *Large Vans & Pickups*						
District of Columbia Government	Light-Duty	Biodiesel (20%)	57	100% of time	15,767 gal	144.3 tons
Miles traveled per vehicle: 25,000 mi **Average vehicle fuel economy:** 15 MPG **Market:** Government - State **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						
District of Columbia Government	Light-Duty	CNG	156	100% of time	82,224 gal	106.5 tons
Miles traveled per vehicle: 14,596 mi **Average vehicle fuel economy:** 18 MPGge **Market:** Government - State **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 65% **National Clean Fleets Partnership:** No						
District of Columbia Government	Light-Duty	E85	655	100% of time	274,786 gal	1,071.9 tons
Miles traveled per vehicle: 11,244 mi **Average vehicle fuel economy:** 12 MPG **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						
Ecology Service	Heavy-Duty	CNG	57	100% of time	157,672 gal	132.8 tons
Miles traveled per vehicle: 25,000 mi **Average vehicle fuel economy:** 10 MPGde **Market:** Corporate Fleet **Vehicle type:** Truck: Refuse **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
Georgetown University	Heavy-Duty	Biodiesel (20%)	17	100% of time	2,508 gal	22.0 tons
Miles traveled per vehicle: 12,000 mi **Average vehicle fuel economy:** 18 MPG **Market:** Corporate Fleet **Vehicle type:** Bus: Shuttle **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
Georgetown University	Heavy-Duty	Biodiesel (20%)	6	100% of time	843 gal	7.4 tons
Miles traveled per vehicle: 11,432 mi **Average vehicle fuel economy:** 18 MPG **Market:** Corporate Fleet **Vehicle type:** Truck: Refuse **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Georgetown University	Light-Duty	Biodiesel (20%)	15	100% of time	1,494 gal	13.7 tons
Miles traveled per vehicle: 9,000 mi **Average vehicle fuel economy:** 15 MPG **Market:** Corporate Fleet **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						
International Limousine, Inc	Heavy-Duty	Biodiesel (20%)	87	100% of time	31,250 gal	273.7 tons
Miles traveled per vehicle: 22,724 mi **Average vehicle fuel economy:** 7 MPG **Market:** Corporate Fleet **Vehicle type:** Bus: Shuttle **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No						
Maryland-National Capital Park and Planning Commission	Light-Duty	E85 (blender pump)	2	75% of time	219 gal	0.9 tons
Miles traveled per vehicle: 11,244 mi **Average vehicle fuel economy:** 23 MPG **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No						
Montgomery County	Heavy-Duty	CNG	93	100% of time	245,050 gal	206.3 tons
Miles traveled per vehicle: 23,814 mi **Average vehicle fuel economy:** 10 MPGde **Market:** Government - Local **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
Montgomery County	Light-Duty	E85 (blender pump)	461	50% of time	81,102 gal	316.4 tons
Miles traveled per vehicle: 11,788 mi **Average vehicle fuel economy:** 20 MPG **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
Montgomery County	Light-Duty	E85 (blender pump)	266	50% of time	46,797 gal	182.6 tons
Miles traveled per vehicle: 11,788 mi **Average vehicle fuel economy:** 20 MPG **Market:** Government - Local **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
National Mall and Memorial Parks	Light-Duty	E85 (blender pump)	15	10% of time	237 gal	0.9 tons
Miles traveled per vehicle: 6,000 mi **Average vehicle fuel economy:** 17 MPG **Market:** National Parks **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
National Mall and Memorial Parks	Light-Duty	E85 (blender pump)	18	10% of time	559 gal	2.2 tons
Miles traveled per vehicle: 11,788 mi **Average vehicle fuel economy:** 17 MPG **Market:** National Parks **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						
Potomac Trash	Heavy-Duty	CNG	42	100% of time	87,134 gal	73.4 tons
Miles traveled per vehicle: 25,000 mi **Average vehicle fuel economy:** 10 MPGde **Market:** Corporate Fleet **Vehicle type:** Truck: Refuse **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						
Prince George's County Government	Light-Duty	Propane	10	100% of time	5,125 gal	7.2 tons
Miles traveled per vehicle: 11,788 mi **Average vehicle fuel economy:** 23 MPGge **Market:** Government - Local **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
Schwan's - Medium-duty Propane	Heavy-Duty	Propane	8	31,938 gal	21,759 gal	8.5 tons
Market: Corporate Fleet **Vehicle type:** Truck: No Trailer **Percentage from coalition:** 100% **National Clean Fleets Partnership:** Yes						
Smithsonian Institution	Heavy-Duty	Biodiesel (20%)	13	100% of time	2,539 gal	22.2 tons
Miles traveled per vehicle: 13,239 mi **Average vehicle fuel economy:** 15 MPG **Market:** General/Unknown **Vehicle type:** Truck: No Trailer **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
Smithsonian Institution	Light-Duty	CNG	7	100% of time	3,194 gal	4.1 tons
Miles traveled per vehicle: 10,951 mi **Average vehicle fuel economy:** 18 MPGge **Market:** General/Unknown **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No .						
Smithsonian Institution	Light-Duty	E85 (blender pump)	138	100% of time	45,108 gal	176.0 tons
Miles traveled per vehicle: 10,951 mi **Average vehicle fuel economy:** 15 MPG **Market:** General/Unknown **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						

This number includes Cars, Pickups, SUVs and vans.

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Unity	Heavy-Duty	CNG	50	100% of time	461,029 gal	388.2 tons
Miles traveled per vehicle: 25,000 mi **Average vehicle fuel economy:** 3 MPGde **Market:** Utility **Vehicle type:** Truck: Refuse **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
Washington Metropolitan Area Transit Authority	Heavy-Duty	CNG	459	100% of time	4,537,051 gal	3,820.2 tons
Miles traveled per vehicle: 35,734 mi **Average vehicle fuel economy:** 3 MPGde **Market:** Government - Local **Vehicle type:** Bus: Transit **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						
WGL/Washington Gas	Light-Duty	CNG	205	100% of time	61,500 gal	79.7 tons
Miles traveled per vehicle: 12,000 mi **Average vehicle fuel economy:** 20 MPGge **Market:** Utility **Vehicle type:** Car **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No						
Total:			**4,355**		**6,685,153 gal**	**8,741 tons**

Electric, Hybrid & Plug-in Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
American University	Light-Duty	Electric	2	690 gal	3.6 tons
Miles traveled per vehicle per year: 8,000 mi **Market:** Corporate Fleet **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No					
American University	Light-Duty	HEV	2	139 gal	1.7 tons
Average vehicle fuel economy: 29 MPG **Miles traveled per vehicle per year:** 11,244 mi **Market:** Corporate Fleet **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No					
American University	Light-Duty	PHEV	1	24 gal	0.1 tons
Average vehicle fuel economy: 31 MPG **Miles traveled per vehicle per year:** 11,244 mi **Market:** Corporate Fleet **Vehicle type:** Car **Percentage from coalition:** 20% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No					
Arlington County	Light-Duty	Electric	1	381 gal	2.0 tons
Miles traveled per vehicle per year: 11,788 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No					

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Arlington County	Light-Duty	HEV	149	11,175 gal	137.7 tons
Average vehicle fuel economy: 25 MPG **Miles traveled per vehicle per year:** 10,000 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No					
District of Columbia Government	Light-Duty	Electric	15	3,710 gal	19.3 tons
Miles traveled per vehicle per year: 7,650 mi **Market:** Government - State **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No *AUTOMOBILE: COMPACT*					
District of Columbia Government	Light-Duty	HEV	2	193 gal	2.4 tons
Average vehicle fuel economy: 24 MPG **Miles traveled per vehicle per year:** 10,951 mi **Market:** Government - State **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 65% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No *PICKUPS: HALF TON CREW CAB (2)*					
District of Columbia Government	Light-Duty	HEV	89	4,709 gal	58.0 tons
Average vehicle fuel economy: 22 MPG **Miles traveled per vehicle per year:** 3,500 mi **Market:** Government - State **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No					
District of Columbia Government	Light-Duty	PHEV	15	498 gal	2.6 tons
Average vehicle fuel economy: 26 MPG **Miles traveled per vehicle per year:** 7,650 mi **Market:** Government - State **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No *AUTOMOBILE: COMPACT*					
FairFax County, VA.	Heavy-Duty	HEV	1	11,557 gal	142.4 tons
Average vehicle fuel economy: 50 MPG **Miles traveled per vehicle per year:** 36,424 mi **Market:** Government - Local **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No					
FairFax County, VA.	Light-Duty	Electric	1	458 gal	2.4 tons
Miles traveled per vehicle per year: 10,614 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No					

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
FairFax County, VA. **Average vehicle fuel economy:** 45 MPG **Miles traveled per vehicle per year:** 10,614 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No	Light-Duty	HEV	112	25,045 gal	308.5 tons
Frederick County, MD **Average vehicle fuel economy:** 6 MPG **Miles traveled per vehicle per year:** 32,988 mi **Market:** Government - Local **Vehicle type:** Bus: Shuttle **Percentage from coalition:** 20% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No *Diesel/hybrid*	Heavy-Duty	HEV	2	1,164 gal	14.3 tons
Frederick County, MD **Average vehicle fuel economy:** 24 MPG **Miles traveled per vehicle per year:** 14,997 mi **Market:** Government - Local **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No	Light-Duty	HEV	5	628 gal	7.7 tons
Frederick County, MD **Average vehicle fuel economy:** 34 MPG **Miles traveled per vehicle per year:** 11,431 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No	Light-Duty	HEV	15	1,103 gal	13.6 tons
Georgetown University **Average vehicle fuel economy:** 33 MPG **Miles traveled per vehicle per year:** 11,244 mi **Market:** Corporate Fleet **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No	Light-Duty	HEV	3	314 gal	3.9 tons
International Limousine, Inc **Average vehicle fuel economy:** 8 MPG **Miles traveled per vehicle per year:** 23,576 mi **Market:** Corporate Fleet **Vehicle type:** Bus: Shuttle **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No	Heavy-Duty	HEV	7	2,174 gal	26.8 tons
Maryland-National Capital Park and Planning Commission **Miles traveled per vehicle per year:** 11,244 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No	Light-Duty	Electric	5	1,212 gal	6.3 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Maryland-National Capital Park and Planning Commission **Average vehicle fuel economy:** 31 MPG **Miles traveled per vehicle per year:** 11,244 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No	Light-Duty	HEV	30	5,101 gal	62.8 tons
Maryland-National Capital Park and Planning Commission **Average vehicle fuel economy:** 28 MPG **Miles traveled per vehicle per year:** 11,712 mi **Market:** Government - Local **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No	Light-Duty	HEV	21	2,770 gal	34.1 tons
Montgomery County **Average vehicle fuel economy:** 5 MPG **Miles traveled per vehicle per year:** 35,734 mi **Market:** Government - Local **Vehicle type:** Bus: Transit **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No	Heavy-Duty	HEV	68	268,862 gal	3,311.8 tons
Montgomery County **Miles traveled per vehicle per year:** 11,244 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No	Light-Duty	Electric	2	485 gal	2.5 tons
Montgomery County **Miles traveled per vehicle per year:** 11,244 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No	Light-Duty	Electric	119	28,837 gal	149.9 tons
National Mall and Memorial Parks **Miles traveled per vehicle per year:** 5,000 mi **Market:** National Parks **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No	Light-Duty	Electric	2	431 gal	2.2 tons
National Mall and Memorial Parks **Average vehicle fuel economy:** 25 MPG **Miles traveled per vehicle per year:** 8,000 mi **Market:** National Parks **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No	Light-Duty	HEV	1	60 gal	0.7 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
PEPCO	Light-Duty	HEV	8	400 gal	4.9 tons
Average vehicle fuel economy: 25 MPG **Miles traveled per vehicle per year:** 10,000 mi **Market:** Utility **Vehicle type:** Car **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No					
Prince George's County Government	Light-Duty	Electric	6	2,586 gal	13.4 tons
Miles traveled per vehicle per year: 10,000 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No					
Prince George's County Government	Light-Duty	HEV	19	663 gal	8.2 tons
Average vehicle fuel economy: 25 MPG **Miles traveled per vehicle per year:** 10,614 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No					
Smithsonian Institution	Light-Duty	Electric	13	3,362 gal	17.5 tons
Miles traveled per vehicle per year: 8,000 mi **Market:** General/Unknown **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No					
United Parcel Service	Heavy-Duty	HEV	17	2,561 gal	31.5 tons
Average vehicle fuel economy: 13 MPG **Miles traveled per vehicle per year:** 13,239 mi **Market:** Corporate Fleet **Vehicle type:** Truck: No Trailer **Percentage from coalition:** 45% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No					
Washington Metropolitan Area Transit Authority	Heavy-Duty	HEV	808	3,549,685 gal	43,724.1 tons
Average vehicle fuel economy: 9 MPG **Miles traveled per vehicle per year:** 35,734 mi **Market:** Government - Local **Vehicle type:** Bus: Transit **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No					
Total:			**1,541**	**3,930,974 gal**	**48,117 tons**

Off-Road Vehicles

Fleet Name	Application	Method	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
American University	Landscaping and lawn equipment	Alternative fuel or vehicles	Electric	7	31 gal	0.1 tons
Fuel used: 364 kWh **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						

Fleet Name	Application	Method	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
DC Government	Construction equipment	Alternative fuel or vehicles	Biodiesel (20%)	29	426 gal	3.7 tons
Fuel used: 2,000 gal **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *This number includes: Loader (skidsteer, backhoe light, backhoe medium, backhoe heavy), milling machine, milling excavator, boom loader, tractor utility).*						
DC Government	Forklifts	Alternative fuel or vehicles	Electric	20	66 gal	0.3 tons
Fuel used: 780 kWh **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *Forklifts*						
DC Government	Forklifts	Alternative fuel or vehicles	Propane	2	34 gal	0.0 tons
Fuel used: 50 gal **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *Forklifts*						
Fairfax County, VA.	Forklifts	Alternative fuel or vehicles	Electric	2	255 gal	1.0 tons
Fuel used: 3,000 kWh **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
Georgetown University	Construction equipment	Alternative fuel or vehicles	Biodiesel (20%)	6	400 gal	3.5 tons
Fuel used: 2,500 gal **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						
National Mall and Memorial Parks	Recreational equipment	Alternative fuel or vehicles	Electric	4	85 gal	0.3 tons
Fuel used: 1,000 kWh **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
National Mall and Memorial Parks	Landscaping and lawn equipment	Alternative fuel or vehicles	Propane	10	4,088 gal	1.6 tons
Fuel used: 6,000 gal **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
Prince George's County	Recreational equipment	Alternative fuel or vehicles	Electric	10	85 gal	0.3 tons
Fuel used: 1,000 kWh **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
Prince George's County	Forklifts	Alternative fuel or vehicles	Propane	1	681 gal	0.3 tons
Fuel used: 1,000 gal **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
Washington Metro Transit Authority	Forklifts	Alternative fuel or vehicles	Electric	10	22 gal	0.1 tons
Fuel used: 400 kWh **Percentage from coalition:** 65% **National Clean Fleets Partnership:** No						

Fleet Name	Application	Method	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
WGL/Washington Gas	Forklifts	Alternative fuel or vehicles	CNG	8	90 gal	0.1 tons
Fuel used: 100 GGE **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
Total:				**109**	**6,263 gal**	**11 tons**

FUEL ECONOMY

Vehicle Miles Traveled Reductions

Project Name	Method	Vehicle Class	GGE Reduced	GHG Reduced
Capital BikeShare	Non-motorized locomotion (e.g., bicycles)	Light-Duty	176,598 gal	2,175.3 tons
Fuel saved: 353,195 gallons **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No				
Total:			**176,598 gal**	**2,175 tons**

FUEL STATIONS

New Stations

Fuel	Public Stations	Private Stations
Biodiesel	2	-
CNG - Compressed Natural Gas	1	-
E85 - 85% Ethanol	1	-
Electric Charging Outlets	-	-
Hydrogen	-	1
LNG - Liquefied Natural Gas	-	-
Propane	-	-
Total:	**4**	**1**

OUTREACH ACTIVITIES

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
2016 Fleet Expo (Washington Auto Show 2016)	01/26/2016, 01/27/2016, 01/28/2016	Workshop held by coalition	50%	90
Technology: E85, Electric vehicles, Fuel economy improvements, Idle reduction, Natural gas vehicles, Propane, Vehicle miles traveled reduction **Audience:** Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste, Other				
Executive Committee meeting	02/10/2016	Workshop held by coalition	100%	10
Technology: Biodiesel, E85, Electric vehicles, Hybrid electric vehicles, Hydrogen, Natural gas vehicles, Propane **Audience:** Other				
WSSC Biofuel Roundtable	02/10/2016	Workshop held by coalition	50%	8
Technology: Biodiesel **Audience:** Government, Private Fleets, Utility				

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
GWRCCC 2016 Opening Reception	02/24/2016	Meeting - Other	100%	50
Technology: Biodiesel, E85, Fuel economy improvements, Hydrogen, Idle reduction, Natural gas vehicles, Propane **Audience:** General Public, Government, Other				
GWRCCC Fleet Outreach	02/29/2016	Workshop held by coalition	100%	50
Technology: Biodiesel, E85, Electric vehicles, Natural gas vehicles, Propane **Audience:** Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste				
Leap to WSSC's Fleet Event	02/29/2016	Workshop held by coalition	50%	50
Technology: Biodiesel, E85, Electric vehicles, Hybrid electric vehicles, Natural gas vehicles, Propane **Audience:** Government, Transit, Utility, Other				
Biobased Motor Oil Workshop	04/05/2016	Workshop held by coalition	100%	20
Technology: Biodiesel **Audience:** Delivery, Government, Private Fleets, Transit, Waste				
5th Annual Golf Tournament	05/02/2016	Advertisement	100%	50
Technology: E85, Electric vehicles, Fuel economy improvements, Hybrid electric vehicles, Hydrogen, Idle reduction, Natural gas vehicles, Propane, Vehicle miles traveled reduction **Audience:** General Public, Private Fleets, Other				
Board/Stakeholder meeting	05/17/2016	Meeting - Stakeholder	100%	12
Technology: Biodiesel, E85, Hybrid electric vehicles, Hydrogen, Natural gas vehicles, Propane **Audience:** Other				
Capitol Hill Event- Transforming Transportation NCV|RNG	05/24/2016	Conference participation	10%	50
Technology: Biodiesel, Electric vehicles **Audience:** Government				
CNG Road rally	06/10/2016	Meeting - Other	50%	100
Technology: Natural gas vehicles **Audience:** General Public, Government, Other				
Hydrogen Fuel Cell/ Station/NPS	07/11/2016	Media Event	20%	35
Technology: Hydrogen **Audience:** General Public, Government, Private Fleets, Other				
Media event to publicize opening of HCF at NPS site in Washington, DC.Prior to this event GWRCCC arranged briefing meeting with Proton, Toyota and DPW fleet officials to discuss HFC station, feasibility of DPW fleet obtaining a HFC vehicle for testing, as well as the possibility of DPW accessing the station for charging. Project contacts included John Christensen (Comcast). Peter Devlin (DOEE), Gregory Kleen (DOEE) Melanie Caton (NREL), Walt Zalis (Energetics) and others. Project will continue in 2017.				
National Park Service Celebration	08/26/2016, 08/27/2016	Advertisement	0%	100
Technology: Biodiesel, E85, Electric vehicles, Hybrid electric vehicles, Hydrogen, Natural gas vehicles, Propane **Audience:** Government				
B100 Optimus technology Workshop at DC Water	08/26/2016	Workshop held by coalition	50%	50
Technology: Biodiesel **Audience:** General Public, Government, Private Fleets, Waste				
Natural Gas Roundtable	09/13/2016	Conference participation	20%	100
Technology: Natural gas vehicles **Audience:**				
National Drive Electric Week Event	09/18/2016	Media Event	50%	100
Technology: Electric vehicles, Hybrid electric vehicles **Audience:** Delivery, General Public, Government, Private Fleets, Transit, Waste				

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Breakfast with Embassy of Canada and Government of Quebec	09/21/2016	Conference participation	10%	100
Technology: Electric vehicles, Hybrid electric vehicles **Audience:** Government				
Assistance provided to City of Quebec, Canada for event to promote use of electric school buses in DMV held at Canadian Embassy				
Strategic Sourcing Team - Fleet	09/29/2016	Conference participation	50%	10
Technology: Biodiesel, Hydrogen, Natural gas vehicles, Propane **Audience:** Private Fleets				
4th Annual Awards Luncheon	10/28/2016	Meeting - Other	100%	75
Technology: Biodiesel, E85, Electric vehicles, Fuel economy improvements, Hydrogen, Natural gas vehicles, Propane **Audience:** Delivery, General Public, Private Fleets, Transit, Utility, Waste, Other				
Total:				**1,060**

GRANTS

Grantor	Total Grant Amount	Total Matching Funds	Total Project Funding	Grant Amount Spent in 2016	Matching Funds Spent in 2016	Total Project Funding Spent in 2016
DOE	$112,000	$0	$112,000	$112,000	$0	$112,000
Length of grant: 1 **Year grant began:** 2016 **Sources of the grant:** State Government **Technologies:** Biodiesel Blends, CNG - Compressed Natural Gas, E85 - 85 percent Ethanol, Electricity, Idle Reduction, Propane, Vehicle-Miles Traveled Reductions **Purpose:** Assess and reduce greenhouse gas emissions among public and private fleets in the District of Columbia						
Used AFLEET tool to analyze fleet data collected and to measure GHG and air quality effects for both baseline (Phase I) and greening the fleet scenarios (phase II).						
MWCOG	$10,000	$0	$10,000	$3,500	$0	$3,500
Length of grant: 1 **Year grant began:** 2016 **Sources of the grant:** Foundation or Nonprofit **Technologies:** Biodiesel Blends, CNG - Compressed Natural Gas, E85 - 85 percent Ethanol, Electricity, Propane, Other **Purpose:** Reduce the per unit cost of alternate fuel vehicles and infrastructure						
Regional procurement initiative designed to consolidate bulk orders of alternative fuel vehicles and infrastructure to make purchases more affordable. $10,000 over 2 year period, $3500 first year and $6500 second year (2017)						
National Biodiesel Foundation	$5,000	$0	$5,000	$5,000	$0	$5,000
Length of grant: 1 **Year grant began:** 2016 **Sources of the grant:** Foundation or Nonprofit **Technologies:** Biodiesel Blends **Purpose:** To encourage fleets in DMV region to increase the use of biodiesel fuel in order to reduce use of petroleum						
Total:	**$127,000**	**$0**	**$127,000**	**$120,500**	**$0**	**$120,500**