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

2018 Transportation Technology Deployment Report:

Greater Washington Region Clean Cities Coalition

Expanded Edition

March 2019

Clean Cities
U.S. Department of Energy

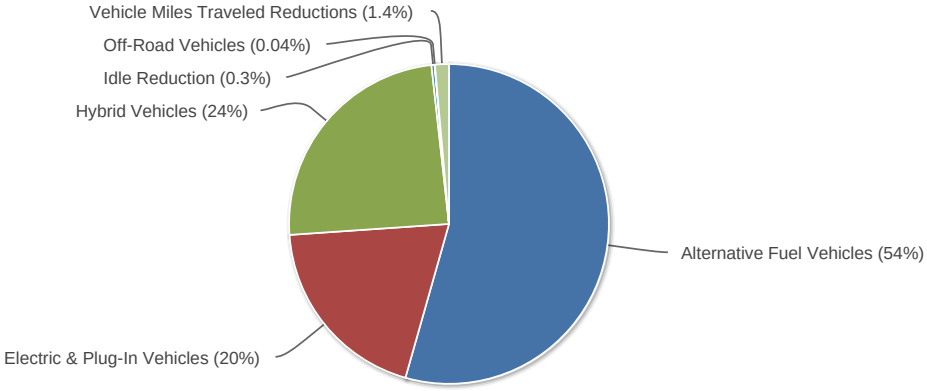
The U.S. Department of Energy's (DOE) Clean Cities program advances the nation's economic, environmental, and energy security by supporting local actions to reduce petroleum use in transportation. A national network of nearly 100 Clean Cities coalitions brings together stakeholders in the public and 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.

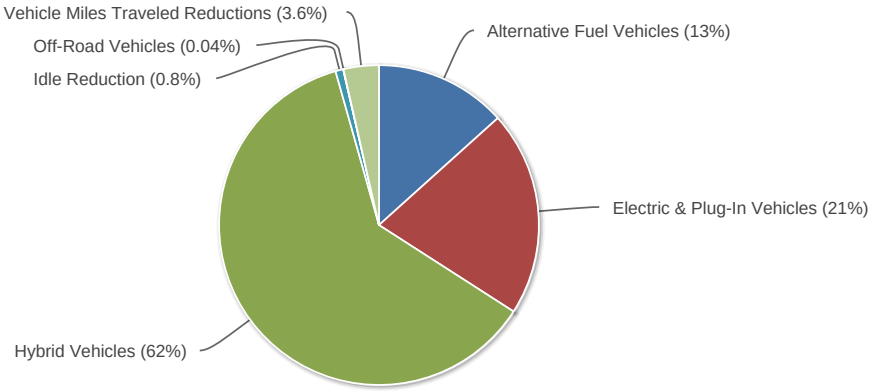
2018 Gallons of Gasoline Equivalent Reduced

11,127,158 gallons

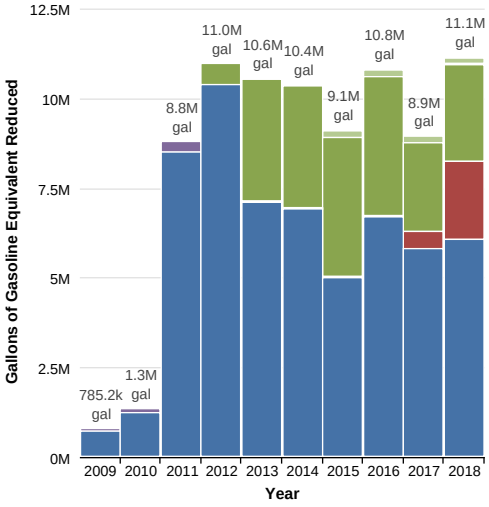


2018 Greenhouse Gas Emissions Reduced

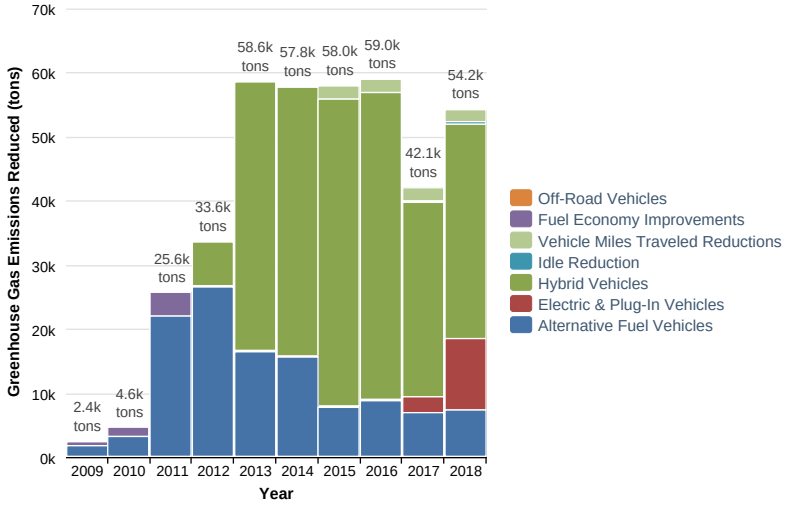
54,210 tons



Historical Gallons of Gasoline Equivalent Reduced

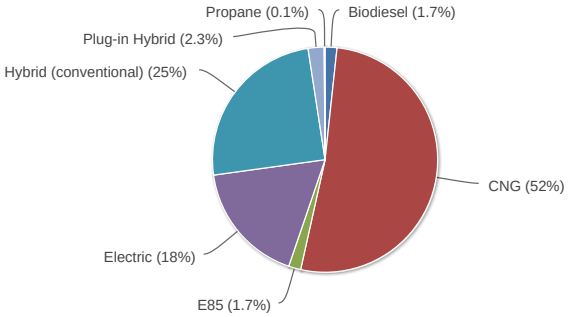


Historical Greenhouse Gas Emissions Reduced



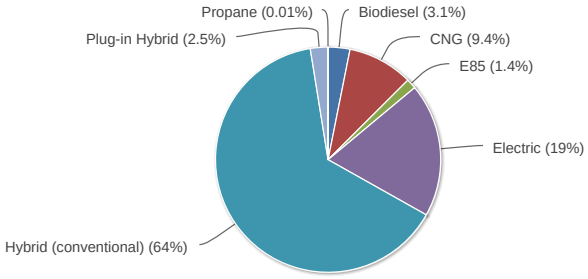
2018 Gallons of Gasoline Equivalent Reduced by Fuel Type for Alternative Fuel Projects

10,936,087 gallons



2018 Greenhouse Gas Emissions Reduced by Fuel Type for Alternative Fuel Projects

51,854 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	173,003 lb	221 lb	-916,673 lb	3 lb	2 lb
E85 - 85% Ethanol	0 lb	41 lb	0 lb	0 lb	0 lb
Electric (all-electric)	9,374 lb	12,738 lb	232,979 lb	371 lb	344 lb
Hybrid (conventional)	460 lb	165 lb	-185 lb	1 lb	1 lb
Plug-in Hybrid	1,852 lb	2,848 lb	52,073 lb	82 lb	76 lb
Propane	739 lb	-44 lb	-1,116 lb	5 lb	1 lb
VMT Reduction (Gasoline)	697 lb	1,113 lb	19,989 lb	280 lb	61 lb
Total:	**186,125 lb**	**17,082 lb**	**-612,932 lb**	**741 lb**	**484 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	1
Coordinator(s) hours per week on Clean Cities	40 hours
Other staff hours per week on Clean Cities	25 hours
How long have you been the coordinator?	2 years

OPERATING INFORMATION

Coalition organizational structure	Standalone nonprofit (self-managed)

Stakeholders

Number of stakeholders	64
Number of private stakeholders	52
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

2018 Outside Funding

Stakeholder dues collected	$21,550
How much funding is obtained from other sources to cover coalition operating expenses?	$10,800
Non-DOE or ARRA grant and matching funds spent in 2018	$5,000
Total non-DOE or ARRA funding in 2018	$37,350

Alternative Fuel & Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
American University	Heavy-Duty	Biodiesel (10%)	11	46,000 gal	3,678 gal	32.2 tons
Market: General/Unknown **Vehicle type:** Bus: Transit **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						
Arlington County	Heavy-Duty	Biodiesel (20%)	285	100% of time	25,084 gal	219.7 tons
Miles traveled per vehicle: 14,318 mi **Average vehicle fuel economy:** 18 MPG **Market:** Government - Local **Vehicle type:** Truck: No Trailer **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No						
Arlington County	Light-Duty	E85 (blender pump)	1	100% of time	15 gal	0.1 tons
Miles traveled per vehicle: 450 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 Regional Transit -- ART	Heavy-Duty	CNG	51	100% of time	302,470 gal	254.7 tons
Miles traveled per vehicle: 35,734 mi **Average vehicle fuel economy:** 5 MPGde **Market:** Government - Local **Vehicle type:** Bus: Transit **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						
Arlington Regional Transit -- ART	Heavy-Duty	CNG	14	100% of time	34,854 gal	29.3 tons
Miles traveled per vehicle: 30,000 mi **Average vehicle fuel economy:** 10 MPGde **Market:** Government - Local **Vehicle type:** Bus: Shuttle **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						
DC Water	Heavy-Duty	Biodiesel (20%)	172	205,331 gal	32,832 gal	287.5 tons
Market: Utility **Vehicle type:** Truck: No Trailer **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						
DC Water	Light-Duty	CNG	5	6,731 GGE	4,796 gal	6.2 tons
Market: Utility **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
DC Water	Light-Duty	E85 (blender pump)	140	112,386 gal	48,719 gal	190.1 tons
Market: Utility **Vehicle type:** Unknown/Other **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						
District of Columbia Government	Heavy-Duty	Biodiesel (20%)	781	1,111,304 gal	118,465 gal	1,037.4 tons
Market: Government - Local **Vehicle type:** Truck: No Trailer **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No						
District of Columbia Government	Light-Duty	CNG	123	54,843 GGE	39,076 gal	50.6 tons
Market: Government - Local **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						
District of Columbia Government	Light-Duty	E85	658	283,763 gal	123,011 gal	479.9 tons
Market: Government - Local **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						
Montgomery County	Light-Duty	E85 (blender pump)	943	16,410 gal	9,485 gal	37.0 tons
Market: Government - Local **Vehicle type:** Unknown/Other **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *669 cars and 274 pickups/SUVs/Vans/CUVs*						
Montgomery County Ride-On	Heavy-Duty	CNG	125	997,509 GGE	897,758 gal	755.9 tons
Market: Government - Local **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
National Mall and Memorial Parks	Light-Duty	E85 (blender pump)	26	10% of time	215 gal	0.8 tons
Miles traveled per vehicle: 4,700 mi **Average vehicle fuel economy:** 17 MPG **Market:** National Parks **Vehicle type:** Car **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No						
National Mall and Memorial Parks	Light-Duty	E85 (blender pump)	5	10% of time	66 gal	0.3 tons
Miles traveled per vehicle: 5,000 mi **Average vehicle fuel economy:** 17 MPG **Market:** National Parks **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Prince George's County Government	Heavy-Duty	Propane	8	100% of time	1,636 gal	0.6 tons
Miles traveled per vehicle: 4,250 mi **Average vehicle fuel economy:** 23 MPGde **Market:** Commuters **Vehicle type:** Bus: Shuttle **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
Prince George's County Government	Light-Duty	Propane	13	100% of time	2,000 gal	2.8 tons
Miles traveled per vehicle: 3,538 mi **Average vehicle fuel economy:** 23 MPGge **Market:** Government - Local **Vehicle type:** Unknown/Other **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
Schwan's - Medium-duty Propane	Heavy-Duty	Propane	3	14,427 gal	9,829 gal	3.9 tons
Market: Corporate Fleet **Vehicle type:** Truck: No Trailer **Percentage from coalition:** 100% **National Clean Fleets Partnership:** Yes *Includes 2 Light HD Class 3 vehicles.*						
Smithsonian Institution	Heavy-Duty	Biodiesel (20%)	21	15,001 gal	3,198 gal	28.0 tons
Market: General/Unknown **Vehicle type:** Truck: No Trailer **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
Smithsonian Institution	Light-Duty	CNG	2	100% of time	300 gal	0.4 tons
Miles traveled per vehicle: 3,000 mi **Average vehicle fuel economy:** 15 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	20,658 gal	8,955 gal	34.9 tons
Market: General/Unknown **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						
Unity Disposal & Recycling, LLC.	Heavy-Duty	CNG	10	100% of time	55,969 gal	47.1 tons
Miles traveled per vehicle: 13,000 mi **Average vehicle fuel economy:** 3 MPGde **Market:** Government - Local **Vehicle type:** Truck: Semi-trailer **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
Washington Gas	Heavy-Duty	CNG	1	100% of time	586 gal	0.5 tons
Miles traveled per vehicle: 6,000 mi **Average vehicle fuel economy:** 9 MPGde **Market:** Utility **Vehicle type:** Truck: No Trailer **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Washington Gas	Light-Duty	CNG	288	100% of time	185,143 gal	239.9 tons
Miles traveled per vehicle: 12,000 mi **Average vehicle fuel economy:** 14 MPGge **Market:** Utility **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						
WMATA	Heavy-Duty	CNG	428	100% of time	4,143,727 gal	3,489.0 tons
Miles traveled per vehicle: 35,000 mi **Average vehicle fuel economy:** 3 MPGde **Market:** Commuters **Vehicle type:** Bus: Transit **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						
Total:			**4,252**		**6,051,866 gal**	**7,229 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	4.3 tons
Miles traveled per vehicle per year: 1,900 mi **Market:** Corporate Fleet **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No					
American University	Light-Duty	HEV	1	20 gal	0.2 tons
Average vehicle fuel economy: 29 MPG **Miles traveled per vehicle per year:** 3,000 mi **Market:** Corporate Fleet **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No					
American University	Light-Duty	PHEV	1	6 gal	0.0 tons
Average vehicle fuel economy: 31 MPG **Miles traveled per vehicle per year:** 2,500 mi **Market:** Corporate Fleet **Vehicle type:** Car **Percentage from coalition:** 20% **National Clean Fleets Partnership:** No					
Arlington County	Light-Duty	Electric	8	1,163 gal	6.0 tons
Average electric fuel economy: 30 kWh/100mi **Miles traveled per vehicle per year:** 4,460 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No *Nissan Leaf*					
Arlington County	Light-Duty	HEV	5	259 gal	3.2 tons
Average vehicle fuel economy: 36 MPG **Miles traveled per vehicle per year:** 4,400 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No *Toyota Camry*					

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Arlington County **Average vehicle fuel economy:** 50 MPG **Miles traveled per vehicle per year:** 4,400 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No *Toyota Prius*	Light-Duty	HEV	38	2,944 gal	36.3 tons
Arlington County **Average vehicle fuel economy:** 32 MPG **Miles traveled per vehicle per year:** 4,400 mi **Market:** Government - Local **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No *Ford Escape*	Light-Duty	HEV	30	2,730 gal	33.6 tons
Arlington County **Average vehicle fuel economy:** 42 MPG **Miles traveled per vehicle per year:** 4,400 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No *Ford Fusion*	Light-Duty	HEV	32	2,077 gal	25.6 tons
Arlington County **Average vehicle fuel economy:** 88 MPG **Miles traveled per vehicle per year:** 4,400 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No *80/20 electric/gas*	Light-Duty	PHEV	1	106 gal	0.6 tons
Arlington County Police **Average vehicle fuel economy:** 32 MPG **Miles traveled per vehicle per year:** 13,818 mi **Market:** Government - Local **Vehicle type:** Patrol Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No	Light-Duty	HEV	14	8,656 gal	106.6 tons
Arlington County Police **Average vehicle fuel economy:** 27 MPG **Miles traveled per vehicle per year:** 13,818 mi **Market:** Government - Local **Vehicle type:** Patrol Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No	Light-Duty	HEV	5	2,792 gal	34.4 tons
City of Manassas **Average vehicle fuel economy:** 42 MPG **Miles traveled per vehicle per year:** 4,294 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No	Light-Duty	HEV	4	237 gal	2.9 tons
City of Manassas **Average vehicle fuel economy:** 24 MPG **Miles traveled per vehicle per year:** 2,622 mi **Market:** Government - Local **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No	Light-Duty	HEV	4	70 gal	0.9 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
City of Manassas	Light-Duty	PHEV	1	57 gal	0.3 tons
Average vehicle fuel economy: 50 MPG **Miles traveled per vehicle per year:** 3,435 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No					
DC Circulator	Heavy-Duty	Electric	14	25,766 gal	103.2 tons
Electricity used: 466,896 kWh **Market:** Government - Local **Vehicle type:** Bus: Transit **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No					
DC Water	Light-Duty	HEV	3	82 gal	1.0 tons
Average vehicle fuel economy: 32 MPG **Miles traveled per vehicle per year:** 1,500 mi **Market:** Utility **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No					
DC Water	Light-Duty	PHEV	8	250 gal	1.3 tons
Average vehicle fuel economy: 36 MPG **Miles traveled per vehicle per year:** 1,500 mi **Market:** Utility **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No					
District of Columbia Government	Light-Duty	Electric	4	750 gal	3.9 tons
Miles traveled per vehicle per year: 3,000 mi **Market:** Government - State **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No					
District of Columbia Government	Light-Duty	HEV	96	12,734 gal	156.9 tons
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					
District of Columbia Government	Light-Duty	PHEV	35	3,482 gal	18.1 tons
Average vehicle fuel economy: 35 MPG **Miles traveled per vehicle per year:** 2,795 mi **Market:** Government - State **Vehicle type:** Car **Percentage from coalition:** 65% **National Clean Fleets Partnership:** No					
District of Columbia Taxi Fleet	Light-Duty	Electric	108	1,838,798 gal	9,557.2 tons
Average electric fuel economy: 30 kWh/100mi **Miles traveled per vehicle per year:** 391,596 mi **Market:** Taxis **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *The EV taxi program is licensed through the District of Columbia's Department of For-Hire Vehicles.*					

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
District of Columbia Taxi Fleet	Light-Duty	PHEV	48	245,777 gal	1,277.4 tons
Average vehicle fuel economy: 55 MPG **Miles traveled per vehicle per year:** 202,414 mi **Market:** Taxis **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *The EV taxi program is licensed through the District of Columbia's Department of For-Hire Vehicles.*					
Fairfax County	Heavy-Duty	HEV	1	717 gal	8.8 tons
Average vehicle fuel economy: 9 MPG **Miles traveled per vehicle per year:** 10,879 mi **Market:** Government - Local **Vehicle type:** Truck: Semi-trailer **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *Box Truck*					
Fairfax County	Light-Duty	Electric	1	127 gal	0.7 tons
Miles traveled per vehicle per year: 3,059 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No					
Fairfax County	Light-Duty	HEV	124	6,024 gal	74.2 tons
Average vehicle fuel economy: 29 MPG **Miles traveled per vehicle per year:** 6,348 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No					
Frederick County	Heavy-Duty	Electric	5	7,529 gal	30.1 tons
Miles traveled per vehicle per year: 12,047 mi **Market:** Government - Local **Vehicle type:** Bus: Shuttle **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No					
Frederick County	Heavy-Duty	HEV	2	5,261 gal	64.8 tons
Average vehicle fuel economy: 6 MPG **Miles traveled per vehicle per year:** 57,057 mi **Market:** Government - Local **Vehicle type:** Bus: Shuttle **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No					
Frederick County	Light-Duty	HEV	9	456 gal	5.6 tons
Average vehicle fuel economy: 28 MPG **Miles traveled per vehicle per year:** 5,107 mi **Market:** Government - Local **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No					
Frederick County	Light-Duty	PHEV	5	663 gal	3.4 tons
Average vehicle fuel economy: 48 MPG **Miles traveled per vehicle per year:** 7,641 mi **Market:** Government - Local **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No					

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Montgomery County	Light-Duty	Electric	121	29,061 gal	151.0 tons
Average electric fuel economy: 30 kWh/100mi **Miles traveled per vehicle per year:** 11,048 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No					
Montgomery County Ride-On	Heavy-Duty	HEV	68	249,676 gal	3,075.4 tons
Average vehicle fuel economy: 5 MPG **Miles traveled per vehicle per year:** 33,184 mi **Market:** Government - Local **Vehicle type:** Bus: Transit **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No					
National Mall and Memorial Parks	Light-Duty	Electric	6	450 gal	2.3 tons
Average electric fuel economy: 11 kWh/100mi **Miles traveled per vehicle per year:** 3,000 mi **Market:** National Parks **Vehicle type:** Low-Speed/Neighborhood **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No					
National Mall and Memorial Parks	Light-Duty	Electric	3	217 gal	1.1 tons
Miles traveled per vehicle per year: 3,333 mi **Market:** National Parks **Vehicle type:** Car **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No					
National Mall and Memorial Parks	Light-Duty	HEV	8	300 gal	3.7 tons
Average vehicle fuel economy: 25 MPG **Miles traveled per vehicle per year:** 5,000 mi **Market:** National Parks **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No					
Prince George's County Government	Light-Duty	Electric	57	9,339 gal	48.5 tons
Miles traveled per vehicle per year: 5,243 mi **Market:** Government - Local **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No					
Prince George's County Government	Light-Duty	PHEV	11	586 gal	3.0 tons
Average vehicle fuel economy: 51 MPG **Miles traveled per vehicle per year:** 2,233 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No					
Smithsonian Institution	Light-Duty	Electric	22	5,739 gal	29.8 tons
Average electric fuel economy: 30 kWh/100mi **Miles traveled per vehicle per year:** 8,000 mi **Market:** General/Unknown **Vehicle type:** Car **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No					
Washington Gas	Light-Duty	HEV	5	1,340 gal	16.5 tons
Average vehicle fuel economy: 46 MPG **Miles traveled per vehicle per year:** 10,000 mi **Market:** Utility **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No					

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
WMATA	Heavy-Duty	Electric	1	1,733 gal	6.9 tons
Average electric fuel economy: 150 kWh/100mi **Miles traveled per vehicle per year:** 10,400 mi **Market:** Commuters **Vehicle type:** Bus: Transit **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No					
WMATA	Heavy-Duty	HEV	934	2,411,365 gal	29,702.5 tons
Average vehicle fuel economy: 5 MPG **Miles traveled per vehicle per year:** 35,000 mi **Market:** General/Unknown **Vehicle type:** Bus: Transit **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No					
Total:			**1,853**	**4,880,167 gal**	**44,603 tons**

Off-Road Vehicles

Fleet Name	Application	Method	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
City of Manassas	Construction equipment	Alternative fuel or vehicles	Propane	1	20 gal	0.0 tons
Fuel used: 40 gal **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						
DC Water	Other	Alternative fuel or vehicles	Electric	46	637 gal	2.5 tons
Fuel used: 10,000 kWh **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						
National Mall and Memorial Parks	Landscaping and lawn equipment	Alternative fuel or vehicles	Propane	7	852 gal	0.3 tons
Fuel used: 2,500 gal **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No						
Smithsonian Institution	Construction equipment	Alternative fuel or vehicles	Biodiesel (20%)	102	1,909 gal	16.7 tons
Fuel used: 11,940 gal **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						
Smithsonian Institution	Construction equipment	Alternative fuel or vehicles	Electric	119	637 gal	2.5 tons
Fuel used: 10,000 kWh **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No						
Total:				**275**	**4,055 gal**	**22 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	156,847 gal	1,932.0 tons
Fuel saved: 313,694 gallons **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No *Based on 3,526,738 systemwide rides and an average distance ride of 2.2 miles (7,560,707 miles).*				
Total:			**156,847 gal**	**1,932 tons**

IDLE REDUCTION

Idle Reduction

Project Name	Number of Vehicles	Idling Reduced per Vehicle	Fuel Saved per Vehicle	GGE Reduced	GHG Reduced
City of Manassas	216	60 mins/day 365 days/year	0 gal/hr	28,974 gal	359.3 tons
Type of project: Policies **Type of vehicle:** Light-Duty **Percentage from coalition:** 75% **National Clean Fleets Partnership:** No					
District of Columbia Government	73	60 mins/day 100 days/year	1 gal/hr	5,250 gal	65.1 tons
Type of project: Automatic engine shutoff **Type of vehicle:** Heavy-Duty - Truck: Long-Haul **Percentage from coalition:** 65% **National Clean Fleets Partnership:** No					
Total:	**289**			**34,224 gal**	**424 tons**

FUEL STATIONS

New Stations

Fuel	Public Stations	Private Stations
Biodiesel	0	0
CNG - Compressed Natural Gas	0	0
E85 - 85% Ethanol	0	0
Electric Charging Outlets	11	0
Hydrogen	0	0
LNG - Liquefied Natural Gas	0	0
Propane	0	1
Total:	**11**	**1**

OUTREACH ACTIVITIES

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
EV infrastructure workshop in association with Metropolitan Washington COG at Washington Auto Show **Technology:** Electric vehicles **Audience:** General Public, Government	01/16/2018	Workshop held by coalition	33%	125
Northern Virginia EV Workshop in Tysons, VA **Technology:** Electric vehicles **Audience:** General Public, Government, Private Fleets *Event held in conjunction with Virginia Clean Cities and the Northern Virginia Regional Commission*	02/06/2018	Workshop held by coalition	50%	50
Energy Independence Summit, Washington, DC **Technology:** Biodiesel, E85, Electric vehicles, Hybrid electric vehicles, Hydrogen, Natural gas vehicles, Propane **Audience:** General Public, Government, Private Fleets, Transit, Utility, Waste, Other	02/11/2018, 02/12/2018, 02/13/2018, 02/14/2018	Conference participation	5%	100
Green Truck Summit and Work Truck Show, Indianapolis, IN **Technology:** Biodiesel, Electric vehicles, Hybrid electric vehicles, Natural gas vehicles, Propane **Audience:** Delivery, General Public, Government, Private Fleets, Utility *Participated in stakeholder events during Show with National Biodiesel Board and Propane Education and Research Council*	03/06/2018, 03/07/2018, 03/08/2018	Conference participation	25%	1,000
Fairfax County EV Lunch and Learn at Fairfax County Government Center, Fairfax, VA **Technology:** Electric vehicles **Audience:** Government *Held in collaboration with Virginia Clean Cities*	03/29/2018	Workshop held by coalition	50%	50
Earth Day at the US Department of Justice, Pentagon City, VA **Technology:** Electric vehicles, Natural gas vehicles, Propane **Audience:** General Public, Government	04/19/2018	Literature Distribution	25%	150
ACT Expo, Long Beach, CA **Technology:** Biodiesel, E85, Electric vehicles, Hydrogen, Natural gas vehicles, Propane **Audience:** Airport, Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste, Other	04/30/2018, 05/01/2018, 05/02/2018, 05/03/2018	Conference participation	5%	2,000
Propane Autogas Roadshow event in Fairfax, VA **Technology:** Propane **Audience:** Government, Other *Joint event with Virginia Clean Cities for local school districts - propane school bus event*	05/31/2018	Workshop held by coalition	50%	75
Fuel Cell Forum in Washington, DC hosted by FCHEA **Technology:** Hydrogen **Audience:** General Public, Government, Private Fleets *Fuel Cell Hydrogen Energy Association is a GWRCCC stakeholder*	06/12/2018	Conference participation	5%	350

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
DOE's Annual Merit Review and Peer Evaluation in Arlington, VA	06/18/2018, 06/19/2018, 06/20/2018, 06/21/2018	Conference participation	5%	1,000
Technology: Electric vehicles, Hydrogen, Natural gas vehicles **Audience:** General Public, Government *Project reviewer*				
National Biodiesel Foundation's Board of Directors meeting, Washington, DC	06/25/2018	Meeting - Stakeholder	10%	25
Technology: Biodiesel **Audience:** General Public, Private Fleets, Other				
World Gas Conference, Washington Convention Center, Washington, DC	06/26/2018, 06/27/2018	Conference participation	5%	2,500
Technology: Natural gas vehicles **Audience:** General Public, Government, Private Fleets, Transit, Utility, Waste *Sponsored by two of GWRCCC's stakeholders - Washington Gas and NGV America.*				
EV Workshop and Showcase event, PEPCO Sustainability Center, Rockville, MD	07/12/2018	Workshop held by coalition	100%	200
Technology: Electric vehicles **Audience:** Delivery, General Public, Government, Private Fleets, Transit, Utility *The largest and best-attended showcase event in GWRCCC history held in collaboration with Maryland Clean Cities and numerous stakeholders including PEPCO/Exelon*				
DMV EV infrastructure Task Force Meeting, PEPCO headquarters, Washington, DC	09/05/2018	Meeting - Stakeholder	100%	30
Technology: Electric vehicles **Audience:** Government, Utility, Other *Organized event to discuss DMV regional challenges for EV infrastructure development*				
25th Anniversary GWRCCC Awards Luncheon, Washington, DC	09/25/2018	Meeting - Stakeholder	100%	100
Technology: Biodiesel, E85, Electric vehicles, Natural gas vehicles, Propane **Audience:** General Public, Government, Private Fleets, Transit, Utility				
Meeting with Montgomery County elected officials, staff and stakeholders to discuss County transportation tax on electricity and natural gas	09/26/2018	Meeting - Stakeholder	100%	6
Technology: Electric vehicles, Natural gas vehicles **Audience:** Government, Waste *Discussion with elected officials about tax disincentives that affect natural gas and electric vehicle use.*				
Annual DOE Clean Cities Peer Exchange, Cocoa Beach, FL	11/05/2018, 11/06/2018, 11/07/2018, 11/08/2018	Conference participation	5%	150
Technology: Biodiesel, E85, Electric vehicles, Fuel economy improvements, Hybrid electric vehicles, Hydrogen, Idle reduction, Natural gas vehicles, Propane, Vehicle miles traveled reduction **Audience:** Other				
WANADA annual luncheon	11/15/2018	Meeting - Stakeholder	5%	150
Technology: Electric vehicles **Audience:** General Public, Private Fleets, Other *Washington Area New Automobile Dealers Association is a GWRCCC stakeholder; other GWRCCC stakeholders are also WANADA members.*				

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
MWCOG annual luncheon	12/12/2018	Meeting - Stakeholder	5%	250
Technology: Electric vehicles, Fuel economy improvements, Idle reduction, Natural gas vehicles, Vehicle miles traveled reduction **Audience:** Airport, General Public, Government, Transit, Utility *Metropolitan Washington Council of Governments and many of its members are GWRCCC stakeholders*				
Total:				**8,311**

GRANTS

Grantor	Total Grant Amount	Total Matching Funds	Total Project Funding	Grant Amount Spent in 2018	Matching Funds Spent in 2018	Total Project Funding Spent in 2018
Electrification Coalition	$8,800	$0	$8,800	$8,800	$0	$8,800
Length of grant: 1 **Year grant began:** 2018 **Sources of the grant:** U.S. Department of Energy **Technologies:** Electricity **Purpose:** Promote availability of EV rental cars at Orlando, FL airport for vacationers from Washington, DC *Consumer education and program promotion.*						
National Biodiesel Foundation	$5,000	$0	$5,000	$5,000	$0	$5,000
Length of grant: 1 **Year grant began:** 2018 **Sources of the grant:** Foundation or Nonprofit **Technologies:** B100 - 100 percent Biodiesel, Biodiesel Blends **Purpose:** Promote the use and best practices of biodiesel blends and B100 *Establish outreach and training events to promote the safe use of biodiesel in the DMV region and to generate its use in additional fleets.*						
Total:	**$13,800**	**$0**	**$13,800**	**$13,800**	**$0**	**$13,800**