

2013 Transportation Technology Deployment Report:

Greater Washington Region Clean Cities

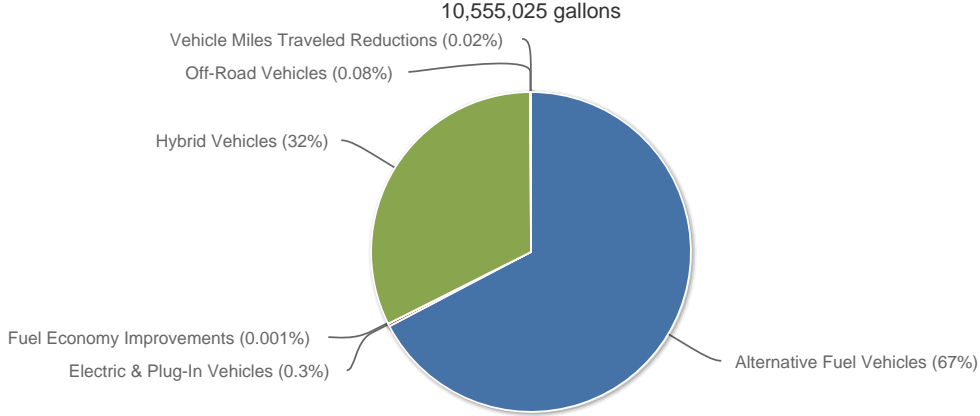
March 2014

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.

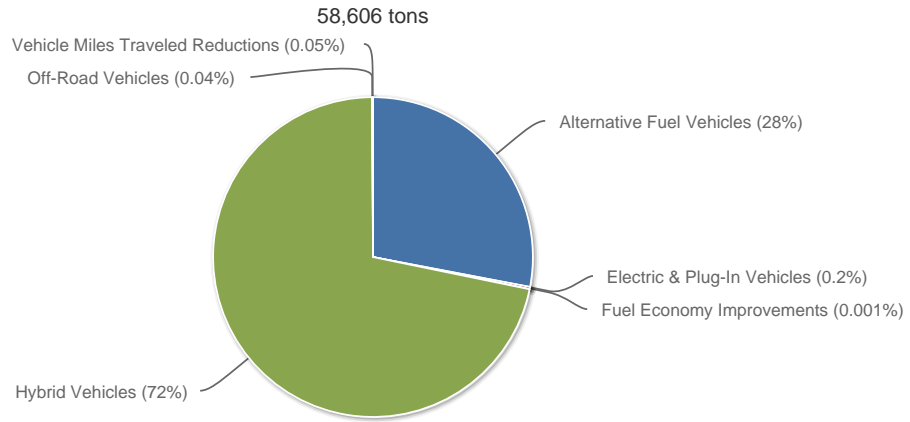
Every year, each Clean Cities coalition submits to DOE an annual report of its activities and accomplishments for the previous calendar year. Coalition coordinators, who lead the local coalitions, provide information and data via an online database managed by the National Renewable Energy Laboratory (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.

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

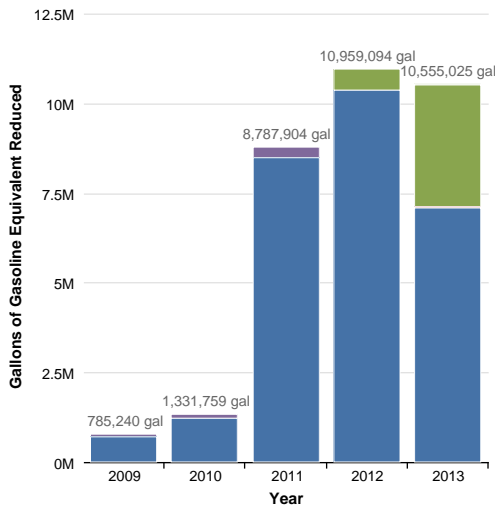
2013 Gallons of Gasoline Equivalent Reduced



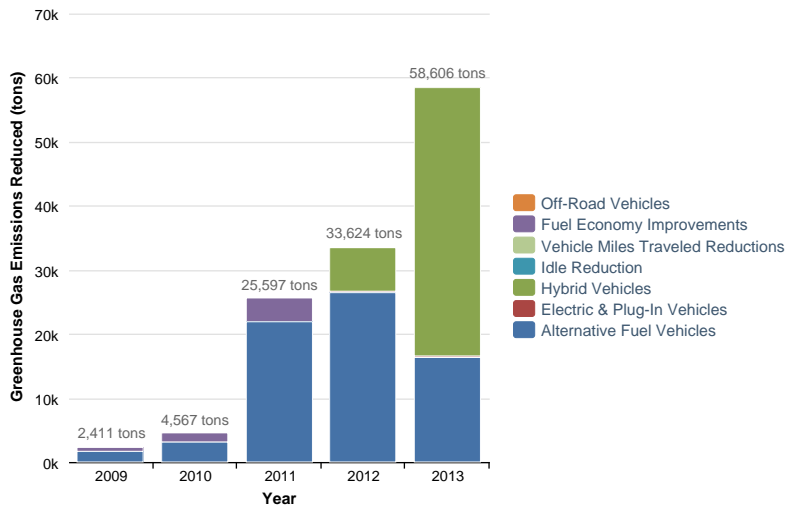
2013 Greenhouse Gas Emissions Reduced



Historical Gallons of Gasoline Equivalent Reduced

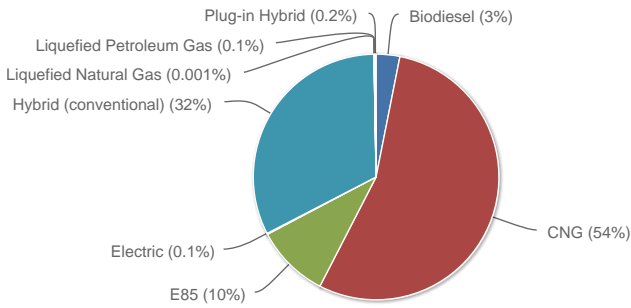


Historical Greenhouse Gas Emissions Reduced



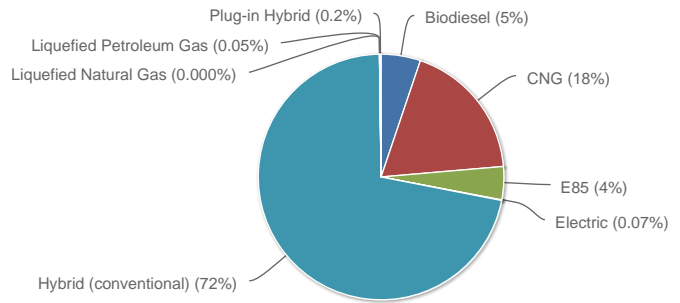
2013 Gallons of Gasoline Equivalent Reduced by Fuel Type for Alternative Fuel Projects

10,552,462 gallons



2013 Greenhouse Gas Emissions Reduced by Fuel Type for Alternative Fuel Projects

58,575 tons



COALITION

Greater Washington Region Clean Cities - 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
Ron Flowers	2000 14th St, NW, DPW-Ste 330 P.O. Box 73402 Washington, DC 20009	202-671-1580	202-671-0120
Claude Willis	2000 14th St., NW, DPW-Ste 330 P.O. Box 73402 Washington, DC 20009	202-671-1579	

Number of coordinators	1
Coordinator(s) hours per week on Clean Cities	55 hours
Other staff hours per week on Clean Cities	145 hours
How long have you been the coordinator?	3 years

OPERATING INFORMATION

Host organization	Nonprofit - Standalone
Stakeholders	
Number of stakeholders	75
Number of private stakeholders	25
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?	Excellent

How do you obtain most of your data for the survey?	Estimates, Online questionnaire to stakeholders (SurveyMonkey, Google Forms, etc), Paper, e-mail, or spreadsheet questionnaire to stakeholders, Phone calls to stakeholders
Has your coalition registered with www.grants.gov ?	Yes

2013 Outside Funding

Stakeholder dues collected	\$30,000
How much funding is obtained from other sources to cover coalition operating expenses?	\$50,000
Non-DOE or ARRA grant and matching funds spent in 2013	\$1,000
Total non-DOE or ARRA funding in 2013	\$81,000

VEHICLE & FUEL INVENTORY

Alternative Fuel & Vehicles

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	7,184 gal	65.8 tons
Miles traveled per vehicle: 22,724 mi Average vehicle fuel economy: 7 MPG Market: Corporate Fleet Vehicle type: Bus: Shuttle Percentage from coalition: 100% National Clean Fleets Partnership: No						
American University	Light-Duty	E85	5	100% of time	2,639 gal	6.6 tons
Miles traveled per vehicle: 10,951 mi Average vehicle fuel economy: 13 MPG Market: Corporate Fleet Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No						
American University	Light-Duty	E85	2	100% of time	869 gal	2.2 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 17 MPG Market: Corporate Fleet Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
Arlington County	Light-Duty	Biodiesel (20%)	75	100% of time	13,458 gal	130.4 tons
Miles traveled per vehicle: 14,596 mi Average vehicle fuel economy: 18 MPG Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Arlington County	Light-Duty	E85	356	100% of time	154,642 gal	386.5 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 17 MPG Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
Arlington Regional Transit--ART	Heavy-Duty	Biodiesel (20%)	4	100% of time	10,544 gal	96.6 tons
Miles traveled per vehicle: 35,734 mi Average vehicle fuel economy: 3 MPG Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No						
Arlington Regional Transit--ART	Heavy-Duty	CNG	45	100% of time	444,809 gal	836.8 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						
Arlington county	Heavy-Duty	Biodiesel (20%)	355	100% of time	124,721 gal	1,142.9 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 15 MPG Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Blossman Gas	Light-Duty	LPG	12	90% of time	3,183 gal	6.6 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 20 MPGe Market: Utility Vehicle type: Car Percentage from coalition: 50% National Clean Fleets Partnership: No <i>This number represents (4) sedans and (8) vans.</i>						
District of Columbia Department of Public Works	Heavy-Duty	Biodiesel (20%)	442	100% of time	64,747 gal	593.3 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 Department of Public Works	Heavy-Duty	Biodiesel (20%)	102	100% of time	28,215 gal	258.5 tons
Miles traveled per vehicle: 25,000 mi Average vehicle fuel economy: 15 MPG Market: Government - State Vehicle type: Truck: Refuse Percentage from coalition: 75% National Clean Fleets Partnership: No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
District of Columbia Department of Public Works	Heavy-Duty	CNG	7	100% of time	29,045 gal	54.6 tons
Miles traveled per vehicle: 25,000 mi Average vehicle fuel economy: 5 MPGde Market: Government - Local Vehicle type: Truck: Refuse Percentage from coalition: 75% National Clean Fleets Partnership: No 10 WHEEL DUMP W/PLOW, >33,000; REFUSE TRUCK 16 CUBIC YDS (4) ; 3 WHEEL STREET SWEEPER (2)						
District of Columbia Department of Public Works	Heavy-Duty	E85	68	25% of time	10,567 gal	26.4 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 18 MPG Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 75% National Clean Fleets Partnership: No Heavy Duty vehicles-- classification selection does not accurately describe: 15 PASSENGER VAN (48) VAN: CARGO STANDARD (3) CARGO STEP VAN (2) CARGO ARIEL LIFT (2) PICKUP W/PLOW (9K-11.5K) (12) PICKUP: SUPER DUTY CREW CAB (1)						
District of Columbia Department of Public Works	Light-Duty	Biodiesel (25%)	17	100% of time	3,432 gal	33.3 tons
Miles traveled per vehicle: 14,596 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 Department of Public Works	Light-Duty	CNG	124	75% of time	34,259 gal	64.4 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 24 MPGge Market: Government - Local Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No AUTOMOBILE: COMPACT, NATURAL GAS						
District of Columbia Department of Public Works	Light-Duty	CNG	11	100% of time	5,019 gal	9.4 tons
Miles traveled per vehicle: 10,951 mi Average vehicle fuel economy: 18 MPGge Market: Government - Local Vehicle type: Pickup/SUV/Van 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						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
District of Columbia Department of Public Works	Light-Duty	E85	448	100% of time	85,372 gal	213.4 tons
<p>Miles traveled per vehicle: 10,951 mi Average vehicle fuel economy: 18 MPG Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 50% National Clean Fleets Partnership: No</p> <p>VAN: WINDOW: 7-8 PASSENGER (1/2 TON) (161) VAN: CARGO STANDARD 1/2 TON (WINDOWS AROUND CARGO BAY) (45) VAN: CARGO: UTILITY BAY ENCLOSED (NO WINDOWS) (43) PICKUPS: 1/4 TON COMPACT PICKUP TRUCK (16) PICKUPS: HALF TON REGULAR CAB (2) PICKUPS: HALF TON EXTENDED CAB (16) PICKUPS: HALF TON CREW CAB (148) PICKUPS: 3/4 TON REGULAR CAB (1) PICKUPS: 3/4 TON CREW CAB (12) SPORT UTILITY VEHICLE (SUV) (4)</p>						
District of Columbia Department of Public Works	Light-Duty	E85	136	100% of time	34,238 gal	85.6 tons
<p>Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 22 MPG Market: Government - Local Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No</p> <p>AUTOMOBILE: COMPACT, SEDAN (1) AUTOMOBILE: INTERMEDIATE (130) AUTOMOBILE: FULL SIZE (5)</p>						
Ecology Service	Heavy-Duty	CNG	57	100% of time	157,672 gal	296.6 tons
<p>Miles traveled per vehicle: 25,000 mi Average vehicle fuel economy: 10 MPGde Market: Utility Vehicle type: Truck: Refuse Percentage from coalition: 100% National Clean Fleets Partnership: No</p>						
Fairfax County, Va.	Light-Duty	E85	517	100% of time	329,904 gal	824.6 tons
<p>Miles traveled per vehicle: 13,242 mi Average vehicle fuel economy: 13 MPG Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No</p>						
Georgetown University	Heavy-Duty	Biodiesel (20%)	17	100% of time	2,508 gal	23.0 tons
<p>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</p>						
Georgetown University	Heavy-Duty	Biodiesel (20%)	6	100% of time	843 gal	7.7 tons
<p>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</p> <p>These are light (7) & medium (10) duty buses</p>						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Georgetown University	Light-Duty	Biodiesel (20%)	14	100% of time	2,261 gal	21.9 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: 75% National Clean Fleets Partnership: No						
International Limousine, Inc	Heavy-Duty	Biodiesel (20%)	85	100% of time	35,620 gal	326.4 tons
Miles traveled per vehicle: 22,724 mi Average vehicle fuel economy: 6 MPG Market: Corporate Fleet Vehicle type: Bus: Shuttle Percentage from coalition: 50% National Clean Fleets Partnership: No						
Montgomery County	Heavy-Duty	CNG	87	100% of time	229,240 gal	431.2 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	476	75% of time	131,815 gal	329.5 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 Park Service / NAMA	Light-Duty	E85	35	10% of time	1,140 gal	2.9 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						
PEPCO	Heavy-Duty	Biodiesel (10%)	75	100% of time	24,703 gal	226.4 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: Utility Vehicle type: Truck: No Trailer Percentage from coalition: 75% National Clean Fleets Partnership: No						
PEPCO	Light-Duty	Biodiesel (10%)	206	100% of time	8,061 gal	78.1 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 25 MPG Market: Utility Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No						
PEPCO	Light-Duty	CNG	26	25% of time	2,499 gal	4.7 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 23 MPGge Market: Utility 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
PEPCO	Light-Duty	E85	59	20% of time	3,844 gal	9.6 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 17 MPG Market: Utility Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No						
PEPCO	Light-Duty	LPG	2	40% of time	308 gal	0.6 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 23 MPGge Market: Utility Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No						
Potomac Trash	Heavy-Duty	CNG	42	100% of time	116,179 gal	218.6 tons
Miles traveled per vehicle: 25,000 mi Average vehicle fuel economy: 10 MPGde Market: Utility Vehicle type: Truck: Refuse Percentage from coalition: 100% National Clean Fleets Partnership: No						
Prince George's County	Light-Duty	LPG	5	100% of time	2,563 gal	5.3 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						
Prince William County	Light-Duty	E85	512	100% of time	222,407 gal	555.9 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 17 MPG Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
Smithsonian Institution	Heavy-Duty	Biodiesel (20%)	12	100% of time	2,344 gal	21.5 tons
Miles traveled per vehicle: 13,239 mi Average vehicle fuel economy: 15 MPG Market: National Parks Vehicle type: Truck: No Trailer Percentage from coalition: 100% National Clean Fleets Partnership: No						
Smithsonian Institution	Light-Duty	CNG	10	100% of time	4,563 gal	8.6 tons
Miles traveled per vehicle: 10,951 mi Average vehicle fuel economy: 18 MPGge Market: National Parks Vehicle type: Pickup/SUV/Van Percentage from coalition: 75% National Clean Fleets Partnership: No <i>Smithsonian number includes 2 dedicated and 2 bi-fuel pickups.</i>						
Smithsonian Institution	Light-Duty	E85	117	100% of time	46,307 gal	115.7 tons
Miles traveled per vehicle: 10,951 mi Average vehicle fuel economy: 13 MPG Market: National Parks Vehicle type: Pickup/SUV/Van Percentage from coalition: 75% National Clean Fleets Partnership: No <i>This number includes Pickups, SUVs and vans.</i>						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Smithsonian Institution	Light-Duty	E85	1	100% of time	326 gal	0.8 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						
Unity	Heavy-Duty	CNG	51	100% of time	141,075 gal	265.4 tons
Miles traveled per vehicle: 25,000 mi Average vehicle fuel economy: 10 MPGde Market: Utility Vehicle type: Truck: Refuse Percentage from coalition: 100% National Clean Fleets Partnership: No						
Washington Gas Light Company	Light-Duty	CNG	148	100% of time	43,616 gal	82.0 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 20 MPGge Market: Utility Vehicle type: Car Percentage from coalition: 50% National Clean Fleets Partnership: No						
Washington Metropolitan Area Transit Authority	Heavy-Duty	CNG	459	100% of time	4,537,051 gal	8,534.9 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						
Total:			5,238		7,103,786 gal	16,406 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	1,409 gal	4.6 tons
Miles traveled per vehicle per year: 10,951 mi Market: Corporate Fleet Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Mark Singer moved this project from the AFV section to the EV section</i>					
Arlington County	Light-Duty	Electric	1	536 gal	1.7 tons
Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 11,788 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No					
Arlington County	Light-Duty	HEV	161	12,075 gal	148.7 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					

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Arlington Regional Transit	Heavy-Duty	HEV	3	16,945 gal	208.7 tons
<p>Average electric fuel economy: - kWh/100mi Average vehicle fuel economy: 7 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</p> <p><i>This number represents 3 hybrid buses.</i></p>					
City of Alexandria	Light-Duty	Electric	1	482 gal	1.6 tons
<p>Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 10,614 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No</p>					
City of Alexandria	Light-Duty	HEV	25	1,608 gal	19.8 tons
<p>Average vehicle fuel economy: 30 MPG Miles traveled per vehicle per year: 11,788 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 50% National Clean Fleets Partnership: No</p> <p><i>21 Hybrid sedans (Ford Fusion and Toyota Prius)</i></p>					
City of Alexandria	Light-Duty	HEV	6	446 gal	5.5 tons
<p>Average vehicle fuel economy: 24 MPG Miles traveled per vehicle per year: 10,951 mi Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 50% National Clean Fleets Partnership: No</p> <p><i>6 Hybrid SUVs (Ford Escape)</i></p>					
City of Lynchburg	Light-Duty	HEV	5	500 gal	6.2 tons
<p>Average vehicle fuel economy: 25 MPG Miles traveled per vehicle per year: 10,000 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No</p>					
District of Columbia Department of Public Works	Light-Duty	HEV	85	2,899 gal	35.7 tons
<p>Average vehicle fuel economy: 26 MPG Miles traveled per vehicle per year: 11,788 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 50% National Clean Fleets Partnership: No</p> <p><i>AUTOMOBILE: COMPACT, HYBRID (85)</i></p>					
District of Columbia Department of Public Works	Light-Duty	HEV	3	223 gal	2.7 tons
<p>Average vehicle fuel economy: 24 MPG Miles traveled per vehicle per year: 10,951 mi Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 50% National Clean Fleets Partnership: No</p> <p><i>PICKUPS: HALF TON CREW CAB (2) SPORT UTILITY VEHICLE (SUV) (1)</i></p>					

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
FairFax County, VA. Average electric fuel economy: - kWh/100mi Average vehicle fuel economy: 10 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	Heavy-Duty	HEV	1	8,970 gal	110.5 tons
FairFax County, VA. Average electric fuel economy: - kWh/100mi 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	Heavy-Duty	PHEV	1	12,195 gal	70.3 tons
FairFax County, VA. Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 10,614 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No	Light-Duty	Electric	2	1,287 gal	4.2 tons
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	Light-Duty	HEV	110	24,598 gal	303.0 tons
FairFax County, VA. Average vehicle fuel economy: 90 MPG Miles traveled per vehicle per year: 14,596 mi Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No	Light-Duty	PHEV	6	4,148 gal	23.8 tons
Montgomery County Average electric fuel economy: - kWh/100mi 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	Heavy-Duty	HEV	68	268,862 gal	3,311.8 tons
National Park Service / NAMA Average vehicle fuel economy: 25 MPG Miles traveled per vehicle per year: 10,000 mi Market: National Parks Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No	Light-Duty	HEV	1	75 gal	0.9 tons
PEPCO 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 <i>This number includes 74 light duty, and 8 medium duty vehicles.</i>	Light-Duty	HEV	82	4,100 gal	50.5 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
PEPCO Average vehicle fuel economy: 25 MPG Miles traveled per vehicle per year: 10,000 mi Market: Utility Vehicle type: Unknown/Other Percentage from coalition: 50% National Clean Fleets Partnership: No	Light-Duty	PHEV	8	400 gal	2.3 tons
PEPCO PHEV 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 <i>Caley moved this from the Fuel Economy section to the Electric section.</i>	Light-Duty	HEV	8	400 gal	4.9 tons
Prince William County Average vehicle fuel economy: 25 MPG Miles traveled per vehicle per year: 10,000 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No	Light-Duty	HEV	12	1,200 gal	14.8 tons
Smithsonian Institution Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 11,788 mi Market: National Parks Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No	Light-Duty	Electric	17	9,109 gal	29.6 tons
Smithsonian Institution Average vehicle fuel economy: 25 MPG Miles traveled per vehicle per year: 10,000 mi Market: National Parks Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No	Light-Duty	HEV	14	1,050 gal	12.9 tons
Washington Metropolitan Area Transit Authority Average electric fuel economy: - kWh/100mi 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	Heavy-Duty	HEV	698	3,066,436 gal	37,771.5 tons
Total:			1,320	3,439,953 gal	42,146 tons

Off-Road Vehicles

Fleet Name	Application	Method	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Fairfax County, VA. Fuel used: 3,000 kWh Percentage from coalition: 100% National Clean Fleets Partnership: No	Forklifts	Alternative fuel or vehicles	Electric	2	306 gal	0.4 tons
American University Fuel used: 364 kWh Percentage from coalition: 100% National Clean Fleets Partnership: No	Landscaping and lawn equipment	Alternative fuel or vehicles	Electric	10	37 gal	0.1 tons

Fleet Name	Application	Method	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Arlington Regional Transit	Forklifts	Alternative fuel or vehicles	Electric	1	76 gal	0.1 tons
Fuel used: 1,500 kWh Percentage from coalition: 50% National Clean Fleets Partnership: No						
DC Government	Construction equipment	Alternative fuel or vehicles	Biodiesel (20%)	31	406 gal	3.7 tons
Fuel used: 2,000 gal Percentage from coalition: 100% National Clean Fleets Partnership: No <i>This number includes: Loader (skidsteer, backhoe light, backhoe medium, backhoe heavy), milling machine, milling excavator, boom loader, tractor utility).</i>						
DC Government	Forklifts	Alternative fuel or vehicles	Electric	28	80 gal	0.1 tons
Fuel used: 780 kWh Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Forklifts</i>						
DC Government	Forklifts	Alternative fuel or vehicles	LPG	2	7 gal	0.0 tons
Fuel used: 10 gal Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Forklifts</i>						
DC Water	Other	Alternative fuel or vehicles	Electric	27	102 gal	0.1 tons
Fuel used: 1,000 kWh Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Number represents "Carts"</i>						
Fairfax County, VA.	Forklifts	Alternative fuel or vehicles	LNG	1	63 gal	0.1 tons
Fuel used: 100 gal Percentage from coalition: 100% National Clean Fleets Partnership: No						
Georgetown University	Construction equipment	Alternative fuel or vehicles	Biodiesel (20%)	6	381 gal	3.5 tons
Fuel used: 2,500 gal Percentage from coalition: 75% National Clean Fleets Partnership: No						
National Park Service / NAMA	Landscaping and lawn equipment	Alternative fuel or vehicles	Electric	3	102 gal	0.1 tons
Fuel used: 1,000 kWh Percentage from coalition: 100% National Clean Fleets Partnership: No						
National Park Service / NAMA	Recreational equipment	Alternative fuel or vehicles	Electric	4	102 gal	0.1 tons
Fuel used: 1,000 kWh Percentage from coalition: 100% National Clean Fleets Partnership: No						
National Park Service/ NAMA	Landscaping and lawn equipment	Alternative fuel or vehicles	LPG	6	4,440 gal	9.3 tons
Fuel used: 6,000 gal Percentage from coalition: 100% National Clean Fleets Partnership: No						

Fleet Name	Application	Method	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
PEPCO	Forklifts	Alternative fuel or vehicles	Electric	6	102 gal	0.1 tons
Fuel used: 1,000 kWh Percentage from coalition: 100% National Clean Fleets Partnership: No						
PEPCO	Forklifts	Alternative fuel or vehicles	LPG	22	740 gal	1.5 tons
Fuel used: 1,000 gal Percentage from coalition: 100% National Clean Fleets Partnership: No						
Prince George's County	Recreational equipment	Alternative fuel or vehicles	Electric	10	102 gal	0.1 tons
Fuel used: 1,000 kWh Percentage from coalition: 100% National Clean Fleets Partnership: No						
Prince George's County	Forklifts	Alternative fuel or vehicles	Electric	1	102 gal	0.1 tons
Fuel used: 1,000 kWh Percentage from coalition: 100% National Clean Fleets Partnership: No						
Prince George's County	Forklifts	Alternative fuel or vehicles	LPG	2	740 gal	1.5 tons
Fuel used: 1,000 gal Percentage from coalition: 100% National Clean Fleets Partnership: No						
Prince William County	Forklifts	Alternative fuel or vehicles	LPG	3	740 gal	1.5 tons
Fuel used: 1,000 gal Percentage from coalition: 100% National Clean Fleets Partnership: No						
Washington Gas	Forklifts	Alternative fuel or vehicles	CNG	5	95 gal	0.2 tons
Fuel used: 100 GGE Percentage from coalition: 100% National Clean Fleets Partnership: No						
Total:				170	8,723 gal	23 tons

FUEL ECONOMY

Fuel Economy Improvements

Fleet Name	Previous Fuel	Current Fuel	Number of Vehicles	Miles Traveled per Vehicle	GGE Reduced	GHG Reduced
American University	19 MPG	25 MPG	1	5,000 mi	63 gal	0.8 tons
Method: Vehicle - More efficient Vehicle class: Light-Duty Market: Corporate Fleet Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
Total:			1	5,000 mi	63 gal	1 tons

Vehicle Miles Traveled Reductions

Fleet Name	Method	Vehicle Class	GGE Reduced	GHG Reduced
Capital BikeShare	Non-motorized locomotion (e.g., bicycles)	Light-Duty	2,500 gal	30.8 tons
Fuel saved: 5,000 gallons Percentage from coalition: 50% National Clean Fleets Partnership: No				
Total:			2,500 gal	31 tons

FUEL STATIONS

New Stations

Fuel	Public Stations	Private Stations
Biodiesel	1	2
CNG - Compressed Natural Gas	3	-
E85 - 85% Ethanol	1	2
Electric Chargers	5	-
Hydrogen	-	-
LNG - Liquefied Natural Gas	-	-
LPG - Liquefied Petroleum Gas	-	1
Total:	10	5

OUTREACH ACTIVITIES

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Membership and Stakeholder Reception	02/21/2013	Meeting - Stakeholder	75%	75
Technology: Alternative fuel vehicles, Hybrid electric vehicles Audience: Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste, Other Clean Cities 20th Anniversary Event: No <i>Our Coalition held a membership and stakeholder reception on February 21, 2013 to provide an opportunity to celebrate and recognize our valuable partners.</i>				

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Alternative Fuels Showcase	03/20/2013	Workshop held by coalition	50%	75
<p>Technology: Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction Audience: Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste, Other Clean Cities 20th Anniversary Event: No</p> <p><i>This event provided the opportunity to explore all of the alternative fuel options available for fleets in the Greater Washington Region. The event focused on the basics of alternative fuel and advanced technology, the impact of alternative fuels, on the Greater Washington region, and also provided a look at the range of vehicle and infrastructure options available for fleets and businesses. The event included speakers from Ford, Roush CleanTech, GWRCCC, Eaton Corporation, Clean Cities, and more. The event finished with a tour of Clean Energy's Dulles CNG station nearby.</i></p>				
American University Switches to Biodiesel	04/02/2013	Workshop held by coalition	50%	100
<p>Technology: Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Idle reduction, Vehicle miles traveled reduction Audience: General Public, Government, Private Fleets, Transit, Utility, Waste, Other Clean Cities 20th Anniversary Event: No</p> <p><i>GWRCCC, in partnership with American University and the National Biodiesel Board, held a workshop to celebrate both Earth Month at AU, and the university's switch to biodiesel for their shuttle buses. We had speakers from school districts, the National Park Service, and the National Biodiesel Board describe the benefits of biodiesel, along with the challenges and opportunities of implementation. We had a bus parked on the college quad and did biodiesel and Clean Cities related trivia before the workshop, and attendance was very high amongst the public and university communities.</i></p>				
Energy Independence Summit	04/08/2013, 04/09/2013, 04/10/2013	Conference participation	50%	100
<p>Technology: Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction Audience: General Public, Government, Private Fleets, Transit Clean Cities 20th Anniversary Event: No</p> <p><i>GWRCCC participated in the 2013 Energy Independence Summit in Washington, DC. This event brought together appropriate stakeholders to address our nation's independence on foreign oil. The event included Capitol Hill Day, on April 9th, where Clean Cities and stakeholders met with representatives and Congressmen to address our concerns regarding energy security. GWRCCC met with representatives and staff from our Coalition's constituency; including three Representatives and staff from Maryland and one Senator and staff, the District of Columbia's Representative and staff, and three Representatives and staff from Virginia.</i></p>				
Washington Area Fleet Administrators Meeting	04/16/2013	Workshop held by coalition	50%	50
<p>Technology: Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction Audience: Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste, Other Clean Cities 20th Anniversary Event: No</p> <p><i>GWRCCC hosted a WAFAM meeting at Washington Gas in April. The presentations for this WAFAM meeting included Montgomery County CNG Refuse Hauler Program by Ms. Robin Ennis; GM CNG and LPG Product Portfolio by Jay Ferraro from GM; Propane Autogas: Providing Clean & Low Cost Public Transportation by Todd Mouw from ROUSH CleanTech; Fuel Mule Demonstration by Dennis Pick from UltimateCNG; Overview of Market Potential for Alternative Fuels by Jaime McKay from GWRCCC</i></p>				
Alternative Fuels Showcase	05/15/2013	Workshop held by coalition	50%	50
<p>Technology: Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction Audience: Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste, Other Clean Cities 20th Anniversary Event: No</p> <p><i>This event focused on the MNCPPC's use of Propane, including a tour of the propane fueling system located onsite. The topics discussed focused on the future of propane and natural gas in Maryland, DC, Virginia; and presentations by BAF, Roush CleanTech, PERC, MNCPPC, Ford, and GWRCCC made the event a success.</i></p>				
Truck Touch	06/15/2013	Workshop held by coalition	50%	100
<p>Technology: Alternative fuel vehicles, Fuel economy improvements, Idle reduction Audience: General Public, Government, Transit, Utility, Waste Clean Cities 20th Anniversary Event: No</p> <p><i>GWRCCC and DC DPW partnered to host the Truck Touch. Visitors were able to learn about the high-tech equipment and vehicles used to provide vital city services, including a substantial number of natural gas, biodiesel, propane, and hybrid electric vehicles. The public was provided the opportunity to learn how the vehicles operated to serve the city better. Kids were able to climb aboard, work the gears, and honk the horns; all while learning about the benefits of cleaner fuels and petroleum reduction.</i></p>				

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
20th Anniversary Reception	06/23/2013	Meeting - Stakeholder	75%	120
<p>Technology: Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction Audience: Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste, Other Clean Cities 20th Anniversary Event: Yes</p> <p><i>The GWRCCC celebrated Clean Cities (and our Coalition's) 20th Anniversary by hosting a stakeholder meeting. We recognized current leaders and presented on the future of the Coalition and the successes of the programs.</i></p>				
The National Mall's Tidal Basin Ribbon Cutting Event	06/24/2013	Media Event	75%	150
<p>Technology: Alternative fuel vehicles, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction Audience: Airport, Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste, Other Clean Cities 20th Anniversary Event: No</p> <p><i>Join the National Mall and Memorial Parks, Propane Education & Research Council (PERC) and Greater Washington Region Clean Cities Coalition for a ribbon-cutting event celebrating the National Mall's deployment of alternative fuel equipment, including propane-fueled mowers, electric vehicles, and charging stations.</i></p>				
Alternative Clean Transportation Expo	06/25/2013, 06/26/2013, 06/27/2013, 06/28/2013	Conference participation	75%	500
<p>Technology: Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction Audience: Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste, Other Clean Cities 20th Anniversary Event: Yes</p> <p><i>The ACT Expo showcased the success and progress of the U.S. Department of Energy's national Clean Cities program, celebrating its 20th anniversary in 2013. ACT Expo is North America's largest alternative fuel and clean vehicle technology conference representing electric, hybrid, natural gas, propane autogas, and renewable fuels. GWRCCC maintained a booth, assisted in workshops and panels, held a silent auction, and assisted with public relations for the Expo.</i></p>				
Biomass 2013: How the Advanced Bioindustry is Reshaping American Energy	07/31/2013, 08/01/2013	Conference participation	25%	50
<p>Technology: Alternative fuel vehicles, Fuel blends, Fuel economy improvements Audience: Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste Clean Cities 20th Anniversary Event: No</p> <p><i>GWRCCC attended the Department of Energy's Biomass 2013 conference. We leveraged this participation with our ongoing Biofuels Work Group for the AAFM grant.</i></p>				
Third Annual "Clean on the Green" Golf Tournament	09/16/2013	Meeting - Other	75%	30
<p>Technology: Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction Audience: Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste Clean Cities 20th Anniversary Event: No</p> <p><i>GWRCCC's Third Annual "Clean on the Green" golf tournament served as an informative and fun way to get the message out about alternative fuels while enjoying a fundraising event at Fort Belvoir, Virginia.</i></p>				
DC Green Festival	09/21/2013	Conference participation	75%	500
<p>Technology: Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction Audience: Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste, Other Clean Cities 20th Anniversary Event: No</p> <p><i>The Greater Washington Region Clean Cities Coalition participated in the DC Green Festival in September to educate about the Clean Cities mission, and to provide education and outreach regarding alternative fuels.</i></p>				
National Plug In Day / Charged Up Event	09/24/2013	Workshop held by coalition	75%	40
<p>Technology: Alternative fuel vehicles, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction Audience: Airport, Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste, Other Clean Cities 20th Anniversary Event: No</p> <p><i>A crowd of 40 stakeholders from all sectors, including the public, heard presentations about Electric Vehicles, charging stations and infrastructure, opportunities and incentives, and more.</i></p> <p><i>The agenda included speakers from AutoFlex AFV, Eaton Corporation, the National Mall and Memorial Parks, GWRCCC, Smithsonian Institute.</i></p>				

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
CNG Training and Certification in Chesapeake, Virginia	09/30/2013, 10/04/2013	Workshop held by coalition	50%	25
<p>Technology: Alternative fuel vehicles Audience: General Public, Government, Transit, Utility, Waste Clean Cities 20th Anniversary Event: No</p> <p><i>GWRCCC, MCC, and VCC provided CNG training. Hosted by TFC Recycling, the training provided both hands-on application and theoretical discussion centered on the challenges and successes of working with compressed natural gas and CNG vehicles. At the conclusion of this training, participants were certified to safely work on CNG vehicles to NFPA 52 standards and received a signed certificate.</i></p>				
First Annual Awards Lunch	10/31/2013	Meeting - Stakeholder	75%	125
<p>Technology: Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction Audience: Airport, Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste, Other Clean Cities 20th Anniversary Event: No</p> <p><i>This event represents our first Annual Awards Lunch, where we presented awards to worthy organizations and individuals in the DC Metro Region doing work with alternative fuels, infrastructure, and outreach.</i></p>				
E85 Station Opening and Retailer Workshop	11/06/2013	Workshop held by coalition	50%	45
<p>Technology: Alternative fuel vehicles, Fuel blends, Fuel economy improvements Audience: Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste Clean Cities 20th Anniversary Event: No</p> <p><i>GWRCCC hosted and celebrated an E85 station opening with Coalition stakeholders, and held a retailer question and answer workshop after the opening.</i></p>				
Propane Outreach Event / WAFAs Meeting	11/19/2013	Workshop held by coalition	75%	35
<p>Technology: Alternative fuel vehicles, Fuel economy improvements, Idle reduction Audience: Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste Clean Cities 20th Anniversary Event: No</p> <p><i>GWRCCC, along with Calvert County Fleet Maintenance and Management, and Charles County Sheriff's Office, hosted a propane-themed WAFAs (Washington Area Fleet Administrators) meeting</i></p>				
Total:				2,170

GRANTS

Grantor	Total Grant Amount	Total Matching Funds	Total Project Funding	Grant Amount Spent in 2013	Matching Funds Spent in 2013	Total Project Funding Spent in 2013
Ford Community Green Grant	\$1,000	-	\$1,000	\$1,000	\$0	\$1,000
<p>Length of grant: 1 Year grant began: 2013 Sources of the grant: None of the above Technologies: Biodiesel Blends, CNG - Compressed Natural Gas, E85 - 85 percent Ethanol, Electricity, Fuel Economy Improvements, H2 - Hydrogen, LNG - Liquefied Natural Gas, LPG - Liquefied Petroleum Gas Purpose: Education and Outreach</p> <p><i>Ford Community Green Grant finalist reward of \$1000. This money is to go towards local outreach and education, focused on academic institutions, about alternative fuels and environmental/fiscal sustainability benefits.</i></p>						
Total:	\$1,000	\$0	\$1,000	\$1,000	\$0	\$1,000