

# 2016 Transportation Technology Deployment Report:

Virginia Clean Cities

Expanded Edition

March 2017



U.S. Department of Energy

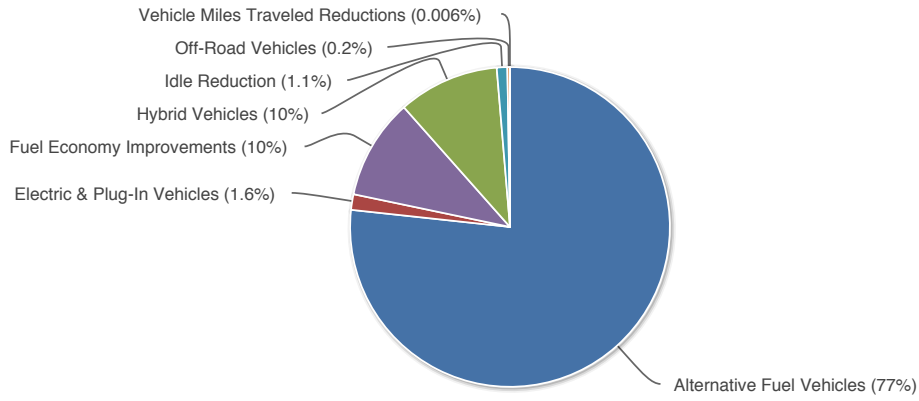
The U.S. Department of Energy's (DOE) Clean Cities program advances the nation's economic, environmental, and energy security by supporting local actions to reduce petroleum use in transportation. A national network of nearly 100 Clean Cities coalitions brings together stakeholders in the public and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

To view aggregated data for all local coalitions that participate in the Clean Cities program, visit [cleancities.energy.gov/accomplishments](https://cleancities.energy.gov/accomplishments).

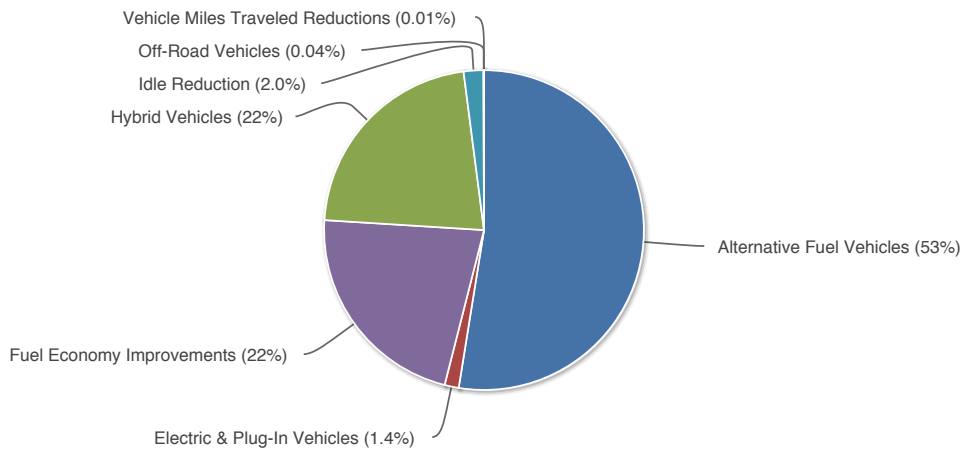
### 2016 Gallons of Gasoline Equivalent Reduced

26,389,756 gallons

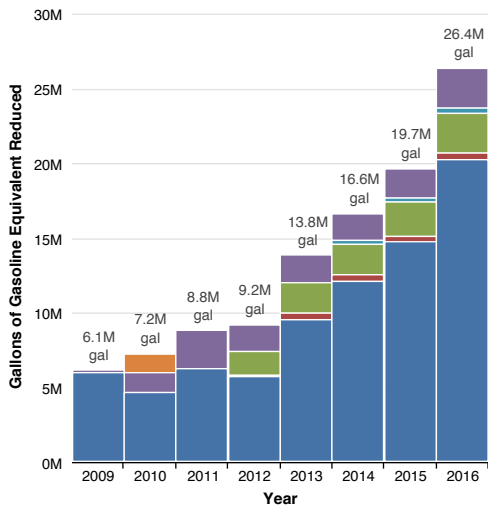


### 2016 Greenhouse Gas Emissions Reduced

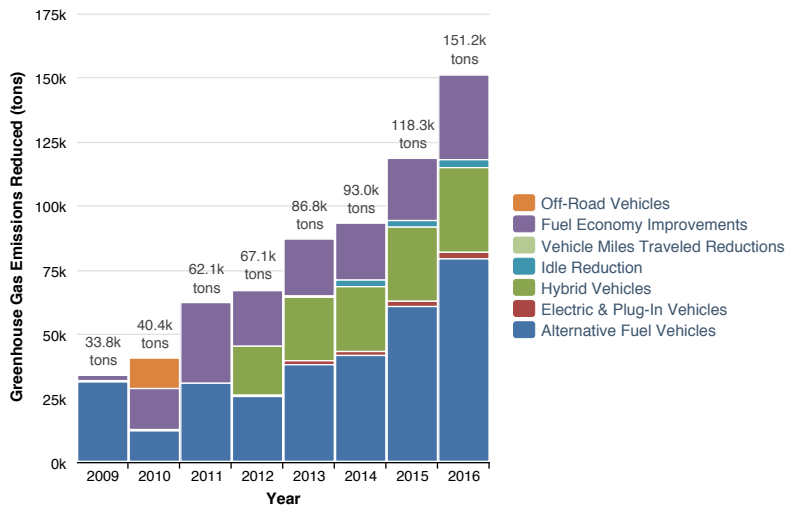
151,226 tons



### Historical Gallons of Gasoline Equivalent Reduced

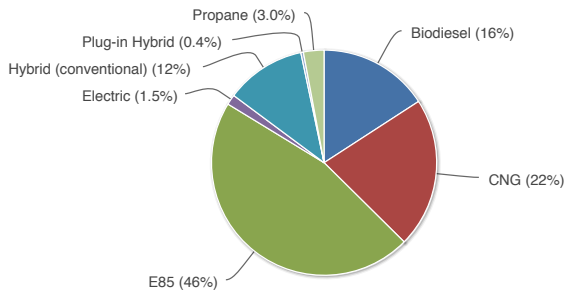


### Historical Greenhouse Gas Emissions Reduced



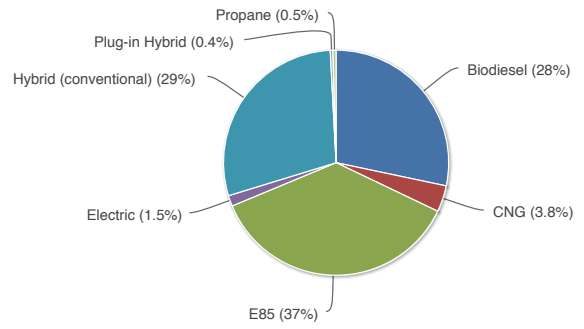
**2016 Gallons of Gasoline Equivalent Reduced by Fuel Type for Alternative Fuel Projects**

23,420,626 gallons



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

114,886 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](http://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](http://CleanCitiesUniversity.com).

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	153,548 lb	326 lb	-825,212 lb	0 lb	0 lb
E85 - 85% Ethanol	76,431 lb	17,101 lb	14,312 lb	1,446 lb	468 lb
Electric (all-electric)	3,331 lb	2,660 lb	53,894 lb	101 lb	91 lb
Hybrid (conventional)	4,601 lb	19,061 lb	1,799 lb	0 lb	0 lb
Plug-in Hybrid	913 lb	1,300 lb	14,741 lb	28 lb	27 lb
Propane	3,497 lb	159 lb	628 lb	72 lb	23 lb
VMT Reduction (Gasoline)	12 lb	17 lb	188 lb	3 lb	1 lb
<b>Total:</b>	<b>242,333 lb</b>	<b>40,623 lb</b>	<b>-739,651 lb</b>	<b>1,649 lb</b>	<b>609 lb</b>

\* 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

## Virginia Clean Cities - VA

<http://www.vacleancities.org>

**Designated:** 10/04/1996

**Boundaries:** Entire state of Virginia, except DC COG

## COORDINATORS

	Address	Telephone	Fax
<b>Alleyn Harned</b>	c/o James Madison University 1401 Technology Dr, MSC 4115 Harrisonburg, VA 22802		
<b>Michael Phillips</b>	Virginia Department of Mines, Minerals and Energy 1100 Bank St Richmond, VA 23219		
<b>Number of coordinators</b>			2
<b>Coordinator(s) hours per week on Clean Cities</b>			40 hours
<b>Other staff hours per week on Clean Cities</b>			40 hours
<b>How long have you been the coordinator?</b>			7 years

## OPERATING INFORMATION

<b>Host organization</b>	Nonprofit - Hosted
<b>Stakeholders</b>	
<b>Number of stakeholders</b>	250
<b>Number of private stakeholders</b>	90
<b>Does the State Energy Office provide any financial support to the coalition or stakeholders?</b>	Yes
<b>Explain State Energy Office's support</b>	
The State Energy Office provides a Richmond office for Virginia Clean Cities and funding.	
<b>How would you rate the quality of the data on your survey?</b>	Excellent
<b>How do you obtain most of your data for the survey?</b>	Coalition records, Estimates, Online questionnaire to stakeholders (SurveyMonkey, Google Forms, etc), Paper, e-mail, or spreadsheet questionnaire to stakeholders, Phone calls to stakeholders
<b>Has your coalition registered with <a href="http://www.grants.gov">www.grants.gov</a>?</b>	Yes

## 2016 Outside Funding

<b>Stakeholder dues collected</b>	\$71,100
<b>How much funding is obtained from other sources to cover coalition operating expenses?</b>	\$48,626
<b>Non-DOE or ARRA grant and matching funds spent in 2016</b>	\$392,912

## VEHICLE & FUEL INVENTORY

### Alternative Fuel & Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
AAA Mid-Atlantic	Light-Duty	CNG	2	100% of time	786 gal	1.0 tons
<p>Miles traveled per vehicle: 11,346 mi            Average vehicle fuel economy: 22 MPGge            Market: Corporate Fleet            Vehicle type: Car            Percentage from coalition: 75%            National Clean Fleets Partnership: No</p>						
Additional Biodiesel Production	Heavy-Duty	Biodiesel (100%)	150	2,000,000 gal	2,132,000 gal	18,669.9 tons
<p>Market: General/Unknown            Vehicle type: Unknown/Other            Percentage from coalition: 100%            National Clean Fleets Partnership: No</p> <p><i>This represents the additional biodiesel produced by stakeholders in the Commonwealth of the 3 million gallons distributed to stations for public biodiesel fleets. This excludes the entire quantity of biodiesel used by fleets elsewhere in the report.</i></p>						
Additional Ethanol Production	Light-Duty	E85	1,000	15,000,000 gal	8,670,000 gal	33,821.7 tons
<p>Market: General/Unknown            Vehicle type: Unknown/Other            Percentage from coalition: 100%            National Clean Fleets Partnership: No</p> <p><i>This represents the additional ethanol produced in the Commonwealth (26 million gallons the previous year and 37 million gallons in 2016) and distributed to stations and for public ethanol fleets. This excludes the entire quantity of ethanol used by fleets elsewhere in the report. Virginia Clean Cities is the ethanol advancing agent for Virginia, ran the state's program to educate on ethanol and build first 12 stations with ethanol deployment program in 2006-2011. Facilitated and supported several fleets who took leadership roles beyond EPACT waivers to install fueling stations at their behind-the-fence fueling locations. VCC facilitated terminal and infrastructure and production working groups and annual inventories starting in 2010 and continuing annually. VCC supported ethanol fleet workshops, station builder workshops, and the production incentive for 2011-2016. Built 30 additional station 2016-2017 and currently deploying stations and advancing fleet vehicles. Supported national clean cities program with ethanol information and contact resources. Represented one of a few coalitions working on ethanol as a motor-fuel. Coalition participates in multiple station opening events over program year and multiple agricultural educational and conference events to discuss and advance ethanol. This represents volume of fuel used in E85 ethanol not E10 gasoline blends. Fueling stations we've built are tracked only during periods when external partners are able to support reporting and to support coalition time to compile reports and many fueling stations built in Virginia and Maryland advance 30,000 gallons of higher ethanol blends per month in Virginia.</i></p>						
AdMobile	Heavy-Duty	Biodiesel (20%)	5	75% of time	916 gal	8.0 tons
<p>Miles traveled per vehicle: 13,239 mi            Average vehicle fuel economy: 12 MPG            Market: Corporate Fleet            Vehicle type: Unknown/Other            Percentage from coalition: 100%            National Clean Fleets Partnership: No</p>						
Albemarle County	Heavy-Duty	Biodiesel (20%)	13	75% of time	8,564 gal	75.0 tons
<p>Miles traveled per vehicle: 23,814 mi            Average vehicle fuel economy: 6 MPG            Market: Government - Local            Vehicle type: Unknown/Other            Percentage from coalition: 100%            National Clean Fleets Partnership: No</p>						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Albemarle County	Light-Duty	E85 (blender pump)	3	50% of time	905 gal	3.5 tons
Miles traveled per vehicle: 15,160 mi Average vehicle fuel economy: 15 MPG Market: Government - Local Vehicle type: Patrol Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
Alsop Trucking	Heavy-Duty	Biodiesel (20%)	15	25% of time	470 gal	4.1 tons
Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 20 MPG Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Amerigas - Harrisonburg	Heavy-Duty	Propane	2	100% of time	9,411 gal	3.7 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPGde Market: Corporate Fleet Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Appalachian Natural Gas Distribution	Heavy-Duty	CNG	2	85% of time	7,466 gal	6.3 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPGde Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Appalachian Natural Gas Distribution	Light-Duty	CNG	9	85% of time	4,329 gal	5.6 tons
Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 20 MPGge Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Bioride	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: General/Unknown Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No						
Blacksburg	Heavy-Duty	Biodiesel (20%)	10	75% of time	939 gal	8.2 tons
Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 20 MPG Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						



Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Blacksburg	Light-Duty	Biodiesel (20%)	25	75% of time	2,348 gal	21.5 tons
Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 20 MPG Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Blacksburg	Light-Duty	E85	15	25% of time	1,267 gal	4.9 tons
Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 20 MPG Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Blue Ridge Parkway	Light-Duty	E85	23	25% of time	2,616 gal	10.2 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 15 MPG Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Blue Ridge Parkway	Light-Duty	Propane	2	100% of time	961 gal	1.4 tons
Miles traveled per vehicle: 11,244 mi Average vehicle fuel economy: 23 MPGge Market: General/Unknown Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
Charlottesville	Heavy-Duty	Biodiesel (20%)	50	75% of time	32,937 gal	288.4 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Charlottesville	Heavy-Duty	CNG	2	100% of time	4,426 gal	3.7 tons
Miles traveled per vehicle: 12,000 mi Average vehicle fuel economy: 6 MPGde Market: Government - Local Vehicle type: Bus: School Percentage from coalition: 100% National Clean Fleets Partnership: No						
Charlottesville	Light-Duty	Biodiesel (20%)	15	75% of time	1,237 gal	11.3 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 23 MPG Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Charlottesville	Light-Duty	CNG	5	100% of time	2,722 gal	3.5 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 21 MPGge Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Charlottesville	Light-Duty	E85	7	25% of time	821 gal	3.2 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 15 MPG Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
Chesterfield County	Heavy-Duty	Biodiesel (20%)	20	75% of time	13,175 gal	115.4 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Chesterfield County	Light-Duty	Biodiesel (20%)	23	75% of time	1,897 gal	17.4 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 23 MPG Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Chesterfield County Fleet Management	Heavy-Duty	Propane	28	100% of time	59,012 gal	23.1 tons
Miles traveled per vehicle: 12,000 mi Average vehicle fuel economy: 6 MPGde Market: Government - Local Vehicle type: Bus: School Percentage from coalition: 100% National Clean Fleets Partnership: No  <i>Virginia provided a vehicle incentive for the incremental cost of purchasing these vehicles - that program was administered by Virginia Clean Cities. This is the largest propane school fleet in Virginia.</i>						
Chesterfield County Fleet Management	Light-Duty	E85	100	25% of time	11,374 gal	44.4 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 15 MPG Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Chesterfield County Fleet Management	Light-Duty	Propane	54	100% of time	29,397 gal	41.6 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 21 MPGge Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Chesapeake	Heavy-Duty	CNG	46	100% of time	432,884 gal	364.5 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 3 MPGde Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
City of Chesapeake	Heavy-Duty	E85	1	25% of time	592 gal	1.5 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Chesapeake	Light-Duty	CNG	1	100% of time	476 gal	0.6 tons
Miles traveled per vehicle: 11,048 mi Average vehicle fuel economy: 23 MPGge Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Chesapeake	Light-Duty	E85	316	85% of time	104,498 gal	407.6 tons
Miles traveled per vehicle: 11,244 mi Average vehicle fuel economy: 17 MPG Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Chesapeake	Light-Duty	Propane	19	100% of time	9,126 gal	12.9 tons
Miles traveled per vehicle: 11,244 mi Average vehicle fuel economy: 23 MPGge Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Manassas	Light-Duty	E85	81	85% of time	6,696 gal	26.1 tons
Miles traveled per vehicle: 11,244 mi Average vehicle fuel economy: 17 MPG Market: Government - Local Vehicle type: Car Percentage from coalition: 25% National Clean Fleets Partnership: No						
City of Manassas	Light-Duty	Propane	1	100% of time	120 gal	0.2 tons
Miles traveled per vehicle: 11,244 mi Average vehicle fuel economy: 23 MPGge Market: Government - Local Vehicle type: Car Percentage from coalition: 25% National Clean Fleets Partnership: No						
City of Norfolk - Municipal	Light-Duty	CNG	6	100% of time	2,882 gal	3.7 tons
Miles traveled per vehicle: 11,244 mi Average vehicle fuel economy: 23 MPGge Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Norfolk - Municipal	Light-Duty	E85	147	25% of time	16,553 gal	64.6 tons
Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 15 MPG Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
City of Norfolk - Municipal	Light-Duty	Propane	21	100% of time	11,432 gal	16.2 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 21 MPGge Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Norfolk - Schools	Light-Duty	CNG	3	100% of time	1,633 gal	2.1 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 21 MPGge Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Norfolk - Schools	Light-Duty	E85	15	25% of time	1,706 gal	6.7 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 15 MPG Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Norfolk - Schools	Light-Duty	Propane	2	100% of time	1,089 gal	1.5 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 21 MPGge Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Richmond	Heavy-Duty	CNG	30	85% of time	111,985 gal	94.3 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPGde Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Richmond	Light-Duty	CNG	76	85% of time	36,557 gal	47.4 tons
Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 20 MPGge Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Roanoke	Heavy-Duty	Propane	1	25% of time	1,176 gal	0.5 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPGde Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Roanoke - Municipal	Heavy-Duty	Biodiesel (20%)	170	75% of time	111,985 gal	980.7 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
City of Roanoke - Municipal	Light-Duty	Biodiesel (20%)	50	75% of time	4,125 gal	37.7 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 23 MPG Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Roanoke - Municipal	Light-Duty	Propane	10	25% of time	1,327 gal	1.9 tons
Miles traveled per vehicle: 10,614 mi Average vehicle fuel economy: 20 MPGge Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Staunton - Public Works	Heavy-Duty	Biodiesel (20%)	65	75% of time	42,818 gal	375.0 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Staunton - Public Works	Light-Duty	E85	29	25% of time	3,401 gal	13.3 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 15 MPG Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Virginia Beach	Light-Duty	CNG	2	100% of time	1,089 gal	1.4 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 21 MPGge Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Virginia Beach	Light-Duty	E85	382	25% of time	44,803 gal	174.8 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 15 MPG Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
Clark Gas and Oil	Light-Duty	CNG	6	85% of time	2,886 gal	3.7 tons
Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 20 MPGge Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Colonial Downs Pit Stop	Light-Duty	Biodiesel (20%)	1	100% of time	48 gal	0.4 tons
Miles traveled per vehicle: 11,244 mi Average vehicle fuel economy: 26 MPG Market: General/Unknown Vehicle type: Car Percentage from coalition: 50% National Clean Fleets Partnership: No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Culpeper County	Light-Duty	Propane	18	85% of time	11,045 gal	15.6 tons
Miles traveled per vehicle: 15,160 mi Average vehicle fuel economy: 21 MPGge Market: Government - Local Vehicle type: Patrol Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
Danville Transit	Heavy-Duty	Propane	2	100% of time	23,116 gal	9.1 tons
Miles traveled per vehicle: 34,053 mi Average vehicle fuel economy: 3 MPGde Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No						
Department of State Police	Light-Duty	E85	429	25% of time	47,884 gal	186.8 tons
Miles traveled per vehicle: 15,160 mi Average vehicle fuel economy: 15 MPG Market: Government - State Vehicle type: Patrol Car Percentage from coalition: 74% National Clean Fleets Partnership: No						
Dominion Virginia Power	Heavy-Duty	Biodiesel (10%)	1,251	90% of time	494,448 gal	4,329.9 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Dominion Virginia Power	Light-Duty	Biodiesel (10%)	50	90% of time	2,818 gal	25.8 tons
Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 20 MPG Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Dominion Virginia Power	Light-Duty	CNG	213	100% of time	115,953 gal	150.2 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 21 MPGge Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Dominion Virginia Power	Light-Duty	E85	594	25% of time	67,563 gal	263.6 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 15 MPG Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
First Piedmont Corporation	Heavy-Duty	CNG	10	100% of time	65,874 gal	55.5 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 4 MPGde Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Frederick County	Light-Duty	Propane	10	85% of time	6,136 gal	8.7 tons
Miles traveled per vehicle: 15,160 mi Average vehicle fuel economy: 21 MPGge Market: Government - Local Vehicle type: Patrol Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
Frederick County	Light-Duty	Propane	10	85% of time	6,136 gal	8.7 tons
Miles traveled per vehicle: 15,160 mi Average vehicle fuel economy: 21 MPGge Market: Government - Local Vehicle type: Patrol Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
Gloucester County Schools	Heavy-Duty	Biodiesel (20%)	113	75% of time	37,509 gal	328.5 tons
Miles traveled per vehicle: 12,000 mi Average vehicle fuel economy: 6 MPG Market: Government - Local Vehicle type: Bus: School Percentage from coalition: 100% National Clean Fleets Partnership: No						
Gloucester County Schools	Heavy-Duty	Propane	8	100% of time	17,704 gal	6.9 tons
Miles traveled per vehicle: 12,000 mi Average vehicle fuel economy: 6 MPGde Market: Government - Local Vehicle type: Bus: School Percentage from coalition: 100% National Clean Fleets Partnership: No						
Gloucester County Schools	Light-Duty	Biodiesel (20%)	4	75% of time	330 gal	3.0 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 23 MPG Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Greater Richmond Transit Company	Heavy-Duty	CNG	85	100% of time	579,611 gal	488.0 tons
Miles traveled per vehicle: 30,814 mi Average vehicle fuel economy: 5 MPGde Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Groome Transportation	Light-Duty	Propane	13	85% of time	8,067 gal	11.4 tons
Miles traveled per vehicle: 10,951 mi Average vehicle fuel economy: 15 MPGge Market: Airport Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No						
Halifax County - Schools	Heavy-Duty	Propane	4	100% of time	8,852 gal	3.5 tons
Miles traveled per vehicle: 12,000 mi Average vehicle fuel economy: 6 MPGde Market: General/Unknown Vehicle type: Bus: School Percentage from coalition: 100% National Clean Fleets Partnership: No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Harrisonburg Transit	Light-Duty	Propane	1	100% of time	480 gal	0.7 tons
Miles traveled per vehicle: 11,244 mi Average vehicle fuel economy: 23 MPGge Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
James City County - Municipal	Heavy-Duty	Biodiesel (5%)	25	75% of time	4,117 gal	36.1 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No <i>B5 is not mandated in this area.</i>						
James City County - Municipal	Light-Duty	Biodiesel (5%)	108	75% of time	2,227 gal	20.4 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 23 MPG Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No <i>B5 is not mandated in this area.</i>						
James City County - Municipal	Light-Duty	E85	34	25% of time	3,988 gal	15.6 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 15 MPG Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
James City County - Municipal	Light-Duty	Propane	2	85% of time	916 gal	1.3 tons
Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 21 MPGge Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
James City County - Schools	Light-Duty	E85	29	50% of time	6,803 gal	26.5 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 15 MPG Market: Corporate Fleet Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
James Madison University	Heavy-Duty	E85	2	25% of time	1,777 gal	4.4 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 4 MPG Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						



Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
James Madison University	Light-Duty	E85	103	25% of time	11,715 gal	45.7 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 15 MPG Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
James Madison University	Light-Duty	Propane	14	85% of time	6,478 gal	9.2 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 21 MPGge Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
James River Petroleum	Heavy-Duty	Biodiesel (20%)	14	75% of time	9,222 gal	80.8 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Liberty University	Light-Duty	E85	60	25% of time	6,825 gal	26.6 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 15 MPG Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Newport News	Heavy-Duty	Biodiesel (20%)	253	75% of time	166,660 gal	1,459.4 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Newport News	Light-Duty	Biodiesel (20%)	285	75% of time	23,511 gal	215.1 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 23 MPG Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Newport News	Light-Duty	E85	315	25% of time	35,829 gal	139.8 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 15 MPG Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Newport News	Light-Duty	Propane	28	85% of time	17,181 gal	24.3 tons
Miles traveled per vehicle: 15,160 mi Average vehicle fuel economy: 21 MPGge Market: Government - Local Vehicle type: Patrol Car Percentage from coalition: 100% National Clean Fleets Partnership: No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Norfolk Botanical Gardens	Heavy-Duty	Biodiesel (20%)	1	75% of time	659 gal	5.8 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Northumberland County	Heavy-Duty	Biodiesel (20%)	30	75% of time	19,762 gal	173.1 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Old Dominion University	Heavy-Duty	Biodiesel (20%)	5	25% of time	274 gal	2.4 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 25% National Clean Fleets Partnership: No <i>EPACT fleet</i>						
Old Dominion University	Heavy-Duty	E85	20	25% of time	2,962 gal	7.3 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 25% National Clean Fleets Partnership: No <i>epact fleet</i>						
Old Dominion University	Light-Duty	E85	20	25% of time	422 gal	1.6 tons
Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 20 MPG Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 25% National Clean Fleets Partnership: No <i>epact fleet</i>						
OTHER REGISTERED VIRGINIA E85 TOTAL	Light-Duty	E85	44,000	5% of time	1,000,936 gal	3,904.6 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 15 MPG Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No <i>This number is due to the deployment of a dozen E85 stations statewide from a VCC DOE project and our significant advancement of E85 fuel from continued education and outreach efforts. This excludes vehicles tracked elsewhere in this report. This represents 10% of the 440,000 total E85 vehicles in Virginia (based on latest 2015 NREL data - 2016 has not yet been provided) that are due to Virginia Clean Cities' outreach efforts.</i>						
Phillips Oil and Gas	Heavy-Duty	Biodiesel (20%)	14	25% of time	3,074 gal	26.9 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Phillips Oil and Gas	Light-Duty	E85	2	75% of time	682 gal	2.7 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 15 MPG Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Phillips Oil and Gas	Light-Duty	Propane	4	100% of time	2,264 gal	3.2 tons
Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 20 MPGge Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Prince William County	Light-Duty	E85	500	25% of time	42,228 gal	164.7 tons
Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 20 MPG Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Prince William County	Light-Duty	Propane	1	100% of time	544 gal	0.8 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 21 MPGge Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Range Resources	Light-Duty	CNG	16	100% of time	9,054 gal	11.7 tons
Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 20 MPGge Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Reco	Heavy-Duty	Biodiesel (20%)	7	100% of time	6,148 gal	53.8 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Reco	Light-Duty	Biodiesel (20%)	1	100% of time	125 gal	1.1 tons
Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 20 MPG Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Revere Gas	Light-Duty	Propane	5	100% of time	2,460 gal	3.5 tons
Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 23 MPGge Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Reynolds Community College	Light-Duty	E85	3	50% of time	704 gal	2.7 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 15 MPG Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
Richmond Department of Public Utilities	Light-Duty	CNG	45	100% of time	25,260 gal	32.7 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 21 MPGge Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
Roanoke County Public Schools	Heavy-Duty	Biodiesel (20%)	143	75% of time	47,468 gal	415.7 tons
Miles traveled per vehicle: 12,000 mi Average vehicle fuel economy: 6 MPG Market: Government - Local Vehicle type: Bus: School Percentage from coalition: 100% National Clean Fleets Partnership: No						
Schwan's - Medium-duty Propane	Heavy-Duty	Propane	64	262,874 gal	179,096 gal	70.2 tons
Market: Corporate Fleet Vehicle type: Truck: No Trailer Percentage from coalition: 100% National Clean Fleets Partnership: Yes						
Spotsylvania County	Heavy-Duty	Propane	11	100% of time	48,307 gal	18.9 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPGde Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Spotsylvania County	Light-Duty	E85	98	25% of time	11,147 gal	43.5 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 15 MPG Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Spotsylvania County	Light-Duty	Propane	34	85% of time	20,863 gal	29.5 tons
Miles traveled per vehicle: 15,160 mi Average vehicle fuel economy: 21 MPGge Market: Government - Local Vehicle type: Patrol Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
State Farm Insurance	Light-Duty	E85	267	25% of time	27,631 gal	107.8 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						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
St. Catherine's School	Heavy-Duty	CNG	7	100% of time	14,753 gal	12.4 tons
Miles traveled per vehicle: 12,000 mi Average vehicle fuel economy: 6 MPGde Market: Corporate Fleet Vehicle type: Bus: School Percentage from coalition: 100% National Clean Fleets Partnership: No						
St. Catherine's School	Heavy-Duty	E85	1	100% of time	1,706 gal	4.2 tons
Miles traveled per vehicle: 12,000 mi Average vehicle fuel economy: 4 MPG Market: General/Unknown Vehicle type: Bus: School Percentage from coalition: 100% National Clean Fleets Partnership: No						
St. Catherine's School	Light-Duty	CNG	4	50% of time	1,364 gal	1.8 tons
Miles traveled per vehicle: 11,712 mi Average vehicle fuel economy: 17 MPGge Market: Corporate Fleet Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No						
St. Catherine's School	Light-Duty	E85	1	100% of time	386 gal	1.5 tons
Miles traveled per vehicle: 11,048 mi Average vehicle fuel economy: 17 MPG Market: General/Unknown Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
Supervalu	Heavy-Duty	CNG	65	1,300,000 GGE	1,170,000 gal	985.1 tons
Market: Corporate Fleet Vehicle type: Truck: Semi-trailer Percentage from coalition: 100% National Clean Fleets Partnership: No						
SuperValu	Heavy-Duty	Biodiesel (20%)	105	25% of time	23,056 gal	201.9 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
TFC Recycling	Heavy-Duty	CNG	32	100% of time	295,058 gal	248.4 tons
Miles traveled per vehicle: 25,000 mi Average vehicle fuel economy: 3 MPGde Market: Corporate Fleet Vehicle type: Truck: Refuse Percentage from coalition: 100% National Clean Fleets Partnership: No						
Transport Plus	Heavy-Duty	Biodiesel (20%)	2	75% of time	1,317 gal	11.5 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: Corporate Fleet Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Transport Plus	Light-Duty	Biodiesel (20%)	2	75% of time	165 gal	1.5 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 23 MPG Market: Corporate Fleet Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Transport Plus	Light-Duty	Propane	1	100% of time	524 gal	0.7 tons
Miles traveled per vehicle: 11,346 mi Average vehicle fuel economy: 22 MPGge Market: Corporate Fleet Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
University of Virginia - Facilities	Heavy-Duty	Biodiesel (20%)	30	75% of time	19,762 gal	173.1 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
University of Virginia - Facilities	Light-Duty	Biodiesel (20%)	20	75% of time	1,650 gal	15.1 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 23 MPG Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
University of Virginia - Facilities	Light-Duty	Propane	2	100% of time	1,089 gal	1.5 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 21 MPGge Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
University of Virginia - Transportation	Heavy-Duty	Biodiesel (20%)	34	75% of time	22,397 gal	196.1 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
University of Virginia - Transportation	Light-Duty	E85	2	100% of time	938 gal	3.7 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 15 MPG Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
UPS - Heavy-duty CNG	Heavy-Duty	CNG	175	1,072,922 GGE	965,630 gal	813.1 tons
Market: Corporate Fleet Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: Yes <i>This includes class 4-6 package delivery trucks and class 7-8 tractors</i>						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
US Air Force	Heavy-Duty	Biodiesel (20%)	162	75% of time	26,679 gal	233.6 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 25% National Clean Fleets Partnership: No						
US Air Force	Light-Duty	Biodiesel (20%)	43	75% of time	887 gal	8.1 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 23 MPG Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 25% National Clean Fleets Partnership: No						
US Air Force	Light-Duty	CNG	6	100% of time	817 gal	1.1 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 21 MPGge Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 25% National Clean Fleets Partnership: No						
US Air Force	Light-Duty	E85	55	100% of time	6,256 gal	24.4 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 15 MPG Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 25% National Clean Fleets Partnership: No						
US Army - Ft. Eustis	Light-Duty	Biodiesel (20%)	45	75% of time	928 gal	8.5 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 23 MPG Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 25% National Clean Fleets Partnership: No						
US Army - Ft. Eustis	Light-Duty	E85	92	50% of time	5,232 gal	20.4 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 15 MPG Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 25% National Clean Fleets Partnership: No						
US Army - Ft. Lee	Heavy-Duty	Biodiesel (20%)	2	75% of time	158 gal	1.4 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 6 MPG Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 25% National Clean Fleets Partnership: No						
US Army - Ft. Lee	Light-Duty	CNG	2	85% of time	241 gal	0.3 tons
Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 20 MPGge Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 25% National Clean Fleets Partnership: No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
US Army - Ft. Lee	Light-Duty	E85	175	50% of time	9,952 gal	38.8 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 15 MPG Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 25% National Clean Fleets Partnership: No						
US Lawns	Heavy-Duty	CNG	14	100% of time	68,356 gal	57.6 tons
Miles traveled per vehicle: 25,594 mi Average vehicle fuel economy: 6 MPGde Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
US Navy	Heavy-Duty	Biodiesel (20%)	538	75% of time	88,600 gal	775.9 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 25% National Clean Fleets Partnership: No						
US Navy	Light-Duty	Biodiesel (20%)	211	75% of time	4,954 gal	45.3 tons
Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 20 MPG Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 25% National Clean Fleets Partnership: No						
US Navy	Light-Duty	CNG	1	100% of time	136 gal	0.2 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 21 MPGge Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 25% National Clean Fleets Partnership: No						
US Navy	Light-Duty	E85	2,285	70% of time	181,931 gal	709.7 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 15 MPG Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 25% National Clean Fleets Partnership: No						
Van Go Transportation Service	Light-Duty	Propane	51	85% of time	42,182 gal	59.6 tons
Miles traveled per vehicle: 14,596 mi Average vehicle fuel economy: 15 MPGge Market: Corporate Fleet Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No						
Virginia Beach - Schools	Heavy-Duty	Biodiesel (20%)	819	75% of time	271,859 gal	2,380.7 tons
Miles traveled per vehicle: 12,000 mi Average vehicle fuel economy: 6 MPG Market: Government - Local Vehicle type: Bus: School Percentage from coalition: 100% National Clean Fleets Partnership: No						



Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Virginia Beach - Schools	Heavy-Duty	CNG	4	100% of time	8,852 gal	7.5 tons
Miles traveled per vehicle: 12,000 mi Average vehicle fuel economy: 6 MPGde Market: Government - Local Vehicle type: Bus: School Percentage from coalition: 100% National Clean Fleets Partnership: No						
Virginia Beach - Schools	Light-Duty	Biodiesel (20%)	3	75% of time	255 gal	2.3 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 23 MPG Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
Virginia Beach - Schools	Light-Duty	CNG	1	100% of time	561 gal	0.7 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 21 MPGge Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
Virginia Biodiesel Refinery, LLC	Heavy-Duty	Biodiesel (20%)	20	100% of time	41,754 gal	365.6 tons
Miles traveled per vehicle: 50,000 mi Average vehicle fuel economy: 5 MPG Market: Corporate Fleet Vehicle type: Truck: Semi-trailer Percentage from coalition: 100% National Clean Fleets Partnership: No						
Virginia Commonwealth University	Heavy-Duty	Propane	5	100% of time	16,468 gal	6.5 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 8 MPGde Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Virginia Commonwealth University	Light-Duty	CNG	1	85% of time	361 gal	0.5 tons
Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 20 MPGge Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 75% National Clean Fleets Partnership: No						
Virginia Commonwealth University	Light-Duty	E85	101	25% of time	6,398 gal	25.0 tons
Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 20 MPG Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 75% National Clean Fleets Partnership: No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Virginia Commonwealth University	Light-Duty	Propane	2	100% of time	1,049 gal	1.5 tons
Miles traveled per vehicle: 11,346 mi Average vehicle fuel economy: 22 MPGge Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Virginia Department of Environmental Quality	Light-Duty	CNG	1	100% of time	355 gal	0.5 tons
Miles traveled per vehicle: 11,244 mi Average vehicle fuel economy: 23 MPGge Market: Government - State Vehicle type: Car Percentage from coalition: 74% National Clean Fleets Partnership: No						
Virginia Department of Environmental Quality	Light-Duty	E85	44	25% of time	3,819 gal	14.9 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 15 MPG Market: Government - State Vehicle type: Car Percentage from coalition: 74% National Clean Fleets Partnership: No						
Virginia Department of General Services	Light-Duty	Biodiesel (20%)	6	75% of time	417 gal	3.8 tons
Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 20 MPG Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 74% National Clean Fleets Partnership: No						
Virginia Department of General Services	Light-Duty	CNG	21	100% of time	8,723 gal	11.3 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 21 MPGge Market: Government - State Vehicle type: Car Percentage from coalition: 74% National Clean Fleets Partnership: No						
Virginia Department of General Services	Light-Duty	E85	3,196	25% of time	277,383 gal	1,082.1 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 15 MPG Market: Government - State Vehicle type: Car Percentage from coalition: 74% National Clean Fleets Partnership: No						
Virginia Department of General Services	Light-Duty	Propane	6	85% of time	2,034 gal	2.9 tons
Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 21 MPGge Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 74% National Clean Fleets Partnership: No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Virginia Department of Transportation	Light-Duty	E85	158	25% of time	11,681 gal	45.6 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 15 MPG Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 65% National Clean Fleets Partnership: No						
Virginia Department of Transportation	Light-Duty	Propane	10	50% of time	1,725 gal	2.4 tons
Miles traveled per vehicle: 10,614 mi Average vehicle fuel economy: 20 MPGge Market: Government - State Vehicle type: Car Percentage from coalition: 65% National Clean Fleets Partnership: No						
Virginia Eagle Distributing	Light-Duty	E85	75	25% of time	9,429 gal	36.8 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						
Virginia International Terminals	Heavy-Duty	Biodiesel (20%)	103	75% of time	32,572 gal	285.2 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 6 MPG Market: Airport Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Virginia International Terminals	Light-Duty	E85	10	25% of time	1,137 gal	4.4 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 15 MPG Market: Airport Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Virginia International Terminals	Light-Duty	Propane	90	100% of time	48,994 gal	69.3 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 21 MPGge Market: Airport Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Virginia Natural Gas	Heavy-Duty	CNG	44	100% of time	605,315 gal	509.7 tons
Miles traveled per vehicle: 65,897 mi Average vehicle fuel economy: 5 MPGde Market: Corporate Fleet Vehicle type: Truck: Semi-trailer Percentage from coalition: 100% National Clean Fleets Partnership: No						
Virginia Natural Gas	Heavy-Duty	E85	53	25% of time	148,924 gal	366.0 tons
Miles traveled per vehicle: 65,897 mi Average vehicle fuel economy: 4 MPG Market: Corporate Fleet Vehicle type: Truck: Semi-trailer Percentage from coalition: 100% National Clean Fleets Partnership: No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Virginia Natural Gas	Heavy-Duty	Propane	2	100% of time	27,514 gal	10.8 tons
Miles traveled per vehicle: 65,897 mi Average vehicle fuel economy: 5 MPGde Market: Corporate Fleet Vehicle type: Truck: Semi-trailer Percentage from coalition: 100% National Clean Fleets Partnership: No						
Virginia Natural Gas	Light-Duty	CNG	35	100% of time	19,807 gal	25.7 tons
Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 20 MPGge Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Virginia Natural Gas	Light-Duty	E85	44	25% of time	4,955 gal	19.3 tons
Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 15 MPG Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Virginia Natural Gas	Light-Duty	Propane	1	50% of time	354 gal	0.5 tons
Miles traveled per vehicle: 10,614 mi Average vehicle fuel economy: 15 MPGge Market: General/Unknown Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
Virginia Premier Health Care	Light-Duty	CNG	6	100% of time	3,234 gal	4.2 tons
Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 21 MPGge Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Virginia Premier Health Care	Light-Duty	Propane	22	85% of time	10,180 gal	14.4 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 21 MPGge Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Virginia Tech - Facilities	Light-Duty	E85	329	20% of time	30,869 gal	120.4 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 15 MPG Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
Washington & Lee University	Light-Duty	E85	26	25% of time	2,957 gal	11.5 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 15 MPG Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Washington & Lee University	Light-Duty	Biodiesel (25%)	7	25% of time	231 gal	2.1 tons
Miles traveled per vehicle: 11,287 mi Average vehicle fuel economy: 24 MPG Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Waste Management - Heavy-duty CNG	Heavy-Duty	CNG	47	417,020 GGE	375,318 gal	316.0 tons
Market: Corporate Fleet Vehicle type: Truck: Refuse Percentage from coalition: 100% National Clean Fleets Partnership: Yes						
Williamsburg Area Transit Authority	Heavy-Duty	CNG	16	100% of time	107,472 gal	90.5 tons
Miles traveled per vehicle: 36,424 mi Average vehicle fuel economy: 6 MPGe Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No operated with Colonial Williamsburg						
Williamsburg Area Transit Authority	Light-Duty	Propane	2	100% of time	817 gal	1.2 tons
Miles traveled per vehicle: 11,244 mi Average vehicle fuel economy: 23 MPGe Market: Government - Local Vehicle type: Car Percentage from coalition: 85% National Clean Fleets Partnership: No						
York County	Light-Duty	E85	44	25% of time	5,161 gal	20.1 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 15 MPG Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
<b>Total:</b>			<b>61,965</b>		<b>20,242,256 gal</b>	<b>79,453 tons</b>

## Electric, Hybrid & Plug-in Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Albemarle County	Light-Duty	HEV	20	3,984 gal	49.1 tons
Average vehicle fuel economy: 40 MPG Miles traveled per vehicle per year: 11,244 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: No					
Altria Client Services	Light-Duty	HEV	114	12,028 gal	148.2 tons
Average vehicle fuel economy: 30 MPG Miles traveled per vehicle per year: 11,244 mi Market: Corporate Fleet 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
Altria Client Services Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 11,048 mi Market: Corporate Fleet Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: No	Light-Duty	Electric	1	476 gal	2.5 tons
Blacksburg Average vehicle fuel economy: 23 MPG Miles traveled per vehicle per year: 25,594 mi Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: No	Heavy-Duty	HEV	9	32,862 gal	404.8 tons
Blacksburg Average vehicle fuel economy: 45 MPG Miles traveled per vehicle per year: 11,048 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: No	Light-Duty	HEV	10	2,307 gal	28.4 tons
Blue Ridge Parkway Average vehicle fuel economy: 30 MPG Miles traveled per vehicle per year: 11,244 mi Market: General/Unknown Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:	Light-Duty	HEV	2	211 gal	2.6 tons
Charlottesville Miles traveled per vehicle per year: 11,244 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:	Light-Duty	Electric	6	2,882 gal	15.0 tons
Charlottesville Average vehicle fuel economy: 30 MPG Miles traveled per vehicle per year: 11,244 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:	Light-Duty	HEV	47	4,959 gal	61.1 tons
Chesterfield County Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 11,048 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: No	Light-Duty	Electric	2	952 gal	5.0 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
<b>Chesterfield County</b> Average vehicle fuel economy: 50 MPG Miles traveled per vehicle per year: 11,048 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: No	Light-Duty	HEV	10	2,552 gal	31.4 tons
<b>City of Chesapeake</b> Average vehicle fuel economy: 6 MPG Miles traveled per vehicle per year: 23,814 mi Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:	Heavy-Duty	HEV	1	314 gal	3.9 tons
<b>City of Chesapeake</b> Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 11,244 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: No	Light-Duty	Electric	2	961 gal	5.0 tons
<b>City of Chesapeake</b> Average vehicle fuel economy: 30 MPG Miles traveled per vehicle per year: 11,244 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: No	Light-Duty	HEV	56	5,908 gal	72.8 tons
<b>City of Manassas</b> Average vehicle fuel economy: 30 MPG Miles traveled per vehicle per year: 11,244 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 25% National Clean Fleets Partnership: No Workplace Charging Challenge:	Light-Duty	HEV	7	185 gal	2.3 tons
<b>City of Norfolk - Municipal</b> Average vehicle fuel economy: 30 MPG Miles traveled per vehicle per year: 11,244 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:	Light-Duty	HEV	2	211 gal	2.6 tons
<b>City of Richmond</b> Average vehicle fuel economy: 30 MPG Miles traveled per vehicle per year: 11,244 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:	Light-Duty	HEV	3	317 gal	3.9 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
<b>College of William and Mary</b> Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 11,244 mi Market: General/Unknown Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: No	Light-Duty	Electric	13	6,244 gal	32.5 tons
<b>EV Group Buy</b> Miles traveled per vehicle per year: 15,000 mi Market: Commuters Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: No	Light-Duty	Electric	25	15,000 gal	78.0 tons
<b>Hampton Roads HDV HEV Fleets</b> Average vehicle fuel economy: 15 MPG Miles traveled per vehicle per year: 16,000 mi Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:	Heavy-Duty	HEV	40	79,244 gal	976.1 tons
<b>Hampton Roads Transit</b> Average vehicle fuel economy: 15 MPG Miles traveled per vehicle per year: 34,053 mi Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:	Heavy-Duty	HEV	37	334,700 gal	4,122.7 tons
<b>Harrisonburg Transit</b> Average vehicle fuel economy: 30 MPG Miles traveled per vehicle per year: 11,244 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:	Light-Duty	HEV	1	106 gal	1.3 tons
<b>James Madison University</b> Average vehicle fuel economy: 30 MPG Miles traveled per vehicle per year: 11,346 mi Market: General/Unknown Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:	Light-Duty	HEV	20	2,922 gal	36.0 tons
<b>Norfolk Botanical Gardens</b> Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 11,244 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:	Light-Duty	Electric	18	8,646 gal	44.9 tons



Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Other Registered Electric Vehicles Virginia	Light-Duty	Electric	573	284,197 gal	1,477.1 tons
<p>Miles traveled per vehicle per year: 10,614 mi  Market: General/Unknown  Vehicle type: Unknown/Other  Percentage from coalition: 100%  National Clean Fleets Partnership: No  Workplace Charging Challenge: No</p> <p><i>This is a total of registered electric vehicles in Virginia other than those that were reported elsewhere. This represents 20% of the 2,864 total electric vehicles in Virginia that are due to Virginia Clean Cities' outreach efforts.</i></p>					
Other Registered Hybrid Electric Vehicles	Light-Duty	HEV	8,213	2,174,143 gal	26,780.5 tons
<p>Average vehicle fuel economy: 48 MPG  Miles traveled per vehicle per year: 11,788 mi  Market: Commuters  Vehicle type: Car  Percentage from coalition: 100%  National Clean Fleets Partnership: No  Workplace Charging Challenge: No</p> <p><i>This is a listing of other Virginia hybrids including citizen deployments that are not captured in other areas of this report. This represents 7% of the 117,330 total hybrid electric vehicles in Virginia that are due to Virginia Clean Cities' outreach efforts. Virginia Clean Cities came to this calculation reflecting on our outreach efforts that have supported the initial HOV lane and license plate in the early 2000's and regular consumer educational outreach. One main clean fuel consumer type vehicle for Virginia is the hybrid electric vehicle and we educate on those vehicles each time we table, each time we present on electric vehicles, and through earned and social media activities. Stakeholder and fleet hybrids also educate the communities served through visible examples of the technology. Hybrid vehicles for consumers are physically showcased at our annual events. Annually we reach more than 5000 people at events and through earned media and this 7% is a cumulative number reflecting vehicles on the road today after more than a decade of work on hybrid electric vehicle consumer education.</i></p>					
Other Register Plug-In Hybrid Electric Vehicles	Light-Duty	PHEV	300	82,930 gal	431.0 tons
<p>Average vehicle fuel economy: 54 MPG  Miles traveled per vehicle per year: 11,244 mi  Market: General/Unknown  Vehicle type: Car  Percentage from coalition: 100%  National Clean Fleets Partnership: No  Workplace Charging Challenge: No</p> <p><i>This is a listing of other Virginia plug-in hybrids including citizen deployments that are not captured in other areas of this report. This represents 7% of the 4,296 total plug-in hybrid electric vehicles in Virginia that are due to Virginia Clean Cities' outreach efforts.</i></p>					
Rest of Virginia LDV HEV Fleets	Light-Duty	HEV	141	31,530 gal	388.4 tons
<p>Average vehicle fuel economy: 45 MPG  Miles traveled per vehicle per year: 10,614 mi  Market: General/Unknown  Vehicle type: Car  Percentage from coalition: 100%  National Clean Fleets Partnership: No  Workplace Charging Challenge: No</p>					
Shenandoah National Park	Light-Duty	Electric	2	952 gal	5.0 tons
<p>Miles traveled per vehicle per year: 11,048 mi  Market: National Parks  Vehicle type: Car  Percentage from coalition: 100%  National Clean Fleets Partnership: No  Workplace Charging Challenge: No</p>					
University of Virginia - Transportation	Light-Duty	Electric	2	961 gal	5.0 tons
<p>Average electric fuel economy: - kWh/100mi  Miles traveled per vehicle per year: 11,244 mi  Market: Government - Local  Vehicle type: Car  Percentage from coalition: 100%  National Clean Fleets Partnership: No  Workplace Charging Challenge:</p>					

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
University of Virginia - Transportation Average vehicle fuel economy: 30 MPG Miles traveled per vehicle per year: 11,346 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:	Light-Duty	HEV	3	438 gal	5.4 tons
Virginia Commonwealth University Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 11,244 mi Market: General/Unknown Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:	Light-Duty	Electric	4	1,921 gal	10.0 tons
Virginia Commonwealth University Average vehicle fuel economy: 30 MPG Miles traveled per vehicle per year: 11,346 mi Market: General/Unknown Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:	Light-Duty	HEV	3	319 gal	3.9 tons
Virginia Department of Environmental Quality Average vehicle fuel economy: 30 MPG Miles traveled per vehicle per year: 11,244 mi Market: Government - State Vehicle type: Car Percentage from coalition: 74% National Clean Fleets Partnership: No Workplace Charging Challenge:	Light-Duty	HEV	10	781 gal	9.6 tons
Virginia Department of General Services Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 11,244 mi Market: Government - State Vehicle type: Car Percentage from coalition: 74% National Clean Fleets Partnership: No Workplace Charging Challenge:	Light-Duty	Electric	1	355 gal	1.8 tons
Virginia Department of General Services Average vehicle fuel economy: 30 MPG Miles traveled per vehicle per year: 11,244 mi Market: Government - State Vehicle type: Car Percentage from coalition: 74% National Clean Fleets Partnership: No Workplace Charging Challenge:	Light-Duty	HEV	49	3,826 gal	47.1 tons
Virginia Eagle Distributing Average vehicle fuel economy: 30 MPG Miles traveled per vehicle per year: 11,244 mi Market: Corporate Fleet Vehicle type: Car Percentage from coalition: 25% National Clean Fleets Partnership: No Workplace Charging Challenge:	Light-Duty	HEV	1	26 gal	0.3 tons

<b>Fleet/Station Name</b>	<b>Vehicle Class</b>	<b>Fuel</b>	<b>Number of Vehicles</b>	<b>GGE Reduced</b>	<b>GHG Reduced</b>
<b>Virginia International Terminals</b> Average vehicle fuel economy: 6 MPG Miles traveled per vehicle per year: 23,814 mi Market: Airport Vehicle type: Unknown/Other Percentage from coalition: 50% National Clean Fleets Partnership: No Workplace Charging Challenge:	Heavy-Duty	HEV	2	314 gal	3.9 tons
<b>Virginia International Terminals</b> Average vehicle fuel economy: 30 MPG Miles traveled per vehicle per year: 11,244 mi Market: Airport Vehicle type: Car Percentage from coalition: 50% National Clean Fleets Partnership: No Workplace Charging Challenge:	Light-Duty	HEV	10	528 gal	6.5 tons
<b>Virginia Tech Facilities</b> Miles traveled per vehicle per year: 11,244 mi Market: Government - State Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:	Light-Duty	Electric	14	6,724 gal	34.9 tons
<b>Virginia Tech Facilities</b> Average vehicle fuel economy: 30 MPG Miles traveled per vehicle per year: 11,244 mi Market: Government - State Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:	Light-Duty	HEV	11	1,161 gal	14.3 tons
<b>Washington and Lee University</b> Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 11,244 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:	Light-Duty	Electric	5	2,402 gal	12.5 tons
<b>Williamsburg Area Transit Authority</b> Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 11,244 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: No	Light-Duty	Electric	2	961 gal	5.0 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Williamsburg Area Transit Authority	Light-Duty	HEV	1	106 gal	1.3 tons
Average vehicle fuel economy: 30 MPG Miles traveled per vehicle per year: 11,244 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge: No					
<b>Total:</b>			<b>9,793</b>	<b>3,112,544 gal</b>	<b>35,373 tons</b>

## Off-Road Vehicles

Fleet Name	Application	Method	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Belmont Golf Course	Recreational equipment	Alternative fuel or vehicles	Electric	61	4,245 gal	17.0 tons
Fuel used: 50,000 kWh Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Chesapeake	Recreational equipment	Alternative fuel or vehicles	Electric	12	14 gal	0.1 tons
Fuel used: 160 kWh Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Segways</i>						
City of Norfolk	Forklifts	Alternative fuel or vehicles	Electric	2	951 gal	3.8 tons
Fuel used: 11,200 kWh Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Norfolk	Forklifts	Alternative fuel or vehicles	Propane	16	10,901 gal	4.3 tons
Fuel used: 16,000 gal Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Roanoke	Landscaping and lawn equipment	Alternative fuel or vehicles	Propane	15	10,220 gal	4.0 tons
Fuel used: 15,000 gal Percentage from coalition: 100% National Clean Fleets Partnership: No						
College of William and Mary	Recreational equipment	Alternative fuel or vehicles	Electric	2	14 gal	0.1 tons
Fuel used: 160 kWh Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Segways</i>						
College of William and Mary	Recreational equipment	Alternative fuel or vehicles	Electric	10	68 gal	0.3 tons
Fuel used: 800 kWh Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Golf carts</i>						

Fleet Name	Application	Method	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Harrisonburg Transit	Landscaping and lawn equipment	Alternative fuel or vehicles	Propane	1	531 gal	0.2 tons
Fuel used: 780 gal Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Mower</i>						
James City County	Other	Alternative fuel or vehicles	Electric	5	68 gal	0.3 tons
Fuel used: 800 kWh Percentage from coalition: 100% National Clean Fleets Partnership: No						
James Madison University	Recreational equipment	Alternative fuel or vehicles	Electric	5	8 gal	0.0 tons
Fuel used: 100 kWh Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Golf Carts</i>						
James Madison University	Landscaping and lawn equipment	Alternative fuel or vehicles	Propane	4	531 gal	0.2 tons
Fuel used: 780 gal Percentage from coalition: 100% National Clean Fleets Partnership: No						
Norfolk Botanical Gardens	Recreational equipment	Alternative fuel or vehicles	Electric	39	68 gal	0.3 tons
Fuel used: 800 kWh Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Golf carts</i>						
Northumberland County Public Schools	Other	Alternative fuel or vehicles	Biodiesel (25%)	1	267 gal	2.3 tons
Fuel used: 1,000 gal Percentage from coalition: 100% National Clean Fleets Partnership: No						
Shenandoah National Park	Landscaping and lawn equipment	Alternative fuel or vehicles	Propane	12	5,450 gal	2.1 tons
Fuel used: 8,000 gal Percentage from coalition: 100% National Clean Fleets Partnership: No						
US Lawns	Landscaping and lawn equipment	Alternative fuel or vehicles	Propane	16	5,450 gal	2.1 tons
Fuel used: 8,000 gal Percentage from coalition: 100% National Clean Fleets Partnership: No						
Virginia Beach City Public Schools	Recreational equipment	Alternative fuel or vehicles	Electric	45	3,056 gal	12.2 tons
Fuel used: 36,000 kWh Percentage from coalition: 100% National Clean Fleets Partnership: No						
Virginia Beach City Public Schools	Forklifts	Alternative fuel or vehicles	Propane	2	1,499 gal	0.6 tons
Fuel used: 2,200 gal Percentage from coalition: 100% National Clean Fleets Partnership: No						

Fleet Name	Application	Method	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Virginia Commonwealth University	Landscaping and lawn equipment	Alternative fuel or vehicles	Propane	4	531 gal	0.2 tons
Fuel used: 780 gal Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Mowers</i>						
Virginia Dominion Power	Forklifts	Alternative fuel or vehicles	Propane	36	20,439 gal	8.0 tons
Fuel used: 30,000 gal Percentage from coalition: 100% National Clean Fleets Partnership: No						
Virginia Eagle Distributing	Forklifts	Alternative fuel or vehicles	Electric	30	85 gal	0.3 tons
Fuel used: 1,000 kWh Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Forklifts</i>						
Virginia Eagle Distributing	Forklifts	Alternative fuel or vehicles	Propane	4	1,363 gal	0.5 tons
Fuel used: 2,000 gal Percentage from coalition: 100% National Clean Fleets Partnership: No						
Virginia Natural Gas	Forklifts	Alternative fuel or vehicles	Electric	2	68 gal	0.3 tons
Fuel used: 800 kWh Percentage from coalition: 100% National Clean Fleets Partnership: No						
<b>Total:</b>				<b>324</b>	<b>65,827 gal</b>	<b>59 tons</b>

## FUEL ECONOMY

### Fuel Economy Improvements

Fleet Name	Previous Fuel	Current Fuel	Number of Vehicles	Miles Traveled per Vehicle	GGE Reduced	GHG Reduced
Henrico County	16 MPG	22 MPG	132	11,432 mi	25,722 gal	316.8 tons
Method: Vehicle - Smaller Vehicle class: Light-Duty Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No						
Luck Stone	3 MPG	4 MPG	11	100,000 mi	101,426 gal	1,257.7 tons
Method: Vehicle - More efficient Vehicle class: Heavy-Duty Market: Corporate Fleet Vehicle type: Truck: No Trailer Percentage from coalition: 100% National Clean Fleets Partnership: No						

Fleet Name	Previous Fuel	Current Fuel	Number of Vehicles	Miles Traveled per Vehicle	GGE Reduced	GHG Reduced
Virginia Green Operator Vehicles	4 MPG	6 MPG	370	75,000 mi	2,558,710 gal	31,728.5 tons
Method: Vehicle - More efficient Vehicle class: Heavy-Duty Market: General/Unknown Vehicle type: Truck: Semi-trailer Percentage from coalition: 100% National Clean Fleets Partnership: No <i>This represents the cumulative total volume of dray truck port operators that we have improved through the years of the Green Operator Program</i>						

**Total:** 513 186,432 mi 2,685,858 gal 33,303 tons

### Vehicle Miles Traveled Reductions

Project Name	Method	Vehicle Class	GGE Reduced	GHG Reduced
Total Virginia Green Fleet Bikes	Non-motorized locomotion (e.g., bicycles)	Light-Duty	1,680 gal	20.7 tons
Fuel type of vehicles driven less: Gasoline Fuel economy of vehicles driven less: 25 MPG Number of vehicles driven less: 70 VMT reduction per vehicle being driven less: 600 mi Percentage from coalition: 100% National Clean Fleets Partnership: No <i>This represents fleet bikes used to replace car trips.</i>				

**Total:** 1,680 gal 21 tons

## IDLE REDUCTION

### Truck Stop Electrification

Project Name	Number of Bays	Usage per Bay	GGE Reduced	GHG Reduced
IdleAir	53	3,650 hrs/year	214,046 gal	2,288.0 tons
Percentage from coalition: 100% National Clean Fleets Partnership: No				
Shore Power Near Lexington	24	2,400 hrs/year	63,733 gal	681.2 tons
Percentage from coalition: 100% National Clean Fleets Partnership: No				
<b>Total:</b>	<b>77</b>		<b>277,779 gal</b>	<b>2,969 tons</b>

### Idle Reduction

Project Name	Number of Vehicles	Idling Reduced per Vehicle	Fuel Saved per Vehicle	GGE Reduced	GHG Reduced
Albemarle County Public Schools	14	59 mins/day 365 days/year	0 gal/hr	2,224 gal	27.6 tons
Type of project: Direct-fire heater Type of vehicle: Heavy-Duty - Bus: School Percentage from coalition: 100% National Clean Fleets Partnership: No					
Virginia Beach Public Schools	10	59 mins/day 365 days/year	0 gal/hr	1,589 gal	19.7 tons
Type of project: Direct-fire heater Type of vehicle: Heavy-Duty - Bus: School Percentage from coalition: 100% National Clean Fleets Partnership: No					
<b>Total:</b>	<b>24</b>			<b>3,812 gal</b>	<b>47 tons</b>

# FUEL STATIONS

## New Stations

Fuel	Public Stations	Private Stations
Biodiesel	-	-
CNG - Compressed Natural Gas	-	-
E85 - 85% Ethanol	11	-
Electric Charging Outlets	200	-
Hydrogen	-	-
LNG - Liquefied Natural Gas	-	-
Propane	18	-
<b>Total:</b>	<b>229</b>	<b>0</b>

## OUTREACH ACTIVITIES

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Energy Independence Summit	02/07/2016	Conference participation	25%	100
<b>Technology:</b> E85, Electric vehicles, Fuel economy improvements, Hybrid electric vehicles, Hydrogen, Idle reduction, Natural gas vehicles, Propane, Vehicle miles traveled reduction <b>Audience:</b> General Public, Government, Private Fleets, Transit, Other				
Green Tourism Conference	02/23/2016	Conference participation	25%	100
<b>Technology:</b> Electric vehicles <b>Audience:</b> Government				
Stakeholder Event- Charlottesville	02/29/2016	Meeting - Stakeholder	100%	25
<b>Technology:</b> Biodiesel, E85, Electric vehicles, Hybrid electric vehicles, Hydrogen, Idle reduction, Natural gas vehicles, Propane <b>Audience:</b> General Public, Government, Private Fleets, Transit, Other				
Electric Vehicle Workshop	03/17/2016	Workshop held by coalition	100%	60
<b>Technology:</b> Electric vehicles, Hybrid electric vehicles <b>Audience:</b> General Public, Government, Private Fleets, Transit, Waste, Other				
Chesterfield County Employee Event	04/01/2016	Conference participation	10%	100
<b>Technology:</b> Electric vehicles, Natural gas vehicles, Propane <b>Audience:</b> Government				
Rally at the Raceway	04/07/2016	Workshop held by coalition	100%	125
<b>Technology:</b> Biodiesel, E85, Electric vehicles, Fuel economy improvements, Hybrid electric vehicles, Natural gas vehicles, Propane <b>Audience:</b> Airport, Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste, Other				
Home Show in Harrisonburg	04/09/2016	Conference participation	10%	3,000
<b>Technology:</b> Electric vehicles <b>Audience:</b> General Public, Government, Private Fleets, Other				
CNG Training and Certification	04/18/2016	Workshop held by coalition	100%	25
<b>Technology:</b> Natural gas vehicles, Propane <b>Audience:</b> Airport, General Public, Government, Private Fleets, Transit, Waste, Other				



Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Rappahannock Electric Cooperative Get Connected Event <b>Technology:</b> Electric vehicles <b>Audience:</b> General Public, Government, Utility, Other	04/19/2016	Conference participation	25%	2,000
Virginia Energy Conference <b>Technology:</b> E85, Electric vehicles, Natural gas vehicles, Propane <b>Audience:</b> Airport, General Public, Government, Private Fleets, Transit, Utility, Waste, Other	05/10/2016	Conference participation	25%	600
Regulatory Conference in Williamsburg <b>Technology:</b> Electric vehicles <b>Audience:</b> General Public, Government, Private Fleets, Transit, Utility	05/19/2016	Conference participation	25%	100
Harrisonburg Bike to Work Day <b>Technology:</b> Vehicle miles traveled reduction <b>Audience:</b> General Public, Government, Other	05/20/2016	Workshop held by coalition	100%	200
VDOT Appreciation Day <b>Technology:</b> Electric vehicles <b>Audience:</b> General Public, Government, Transit, Other	06/02/2016	Conference participation	10%	1,000
CNG Sea to Shining Sea Rally <b>Technology:</b> Fuel economy improvements, Natural gas vehicles <b>Audience:</b> Airport, Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste, Other <i>100 in attendance, 300 including media impressions</i>	06/09/2016	Media Event	50%	300
Energy Policy Forum <b>Technology:</b> Electric vehicles, Fuel economy improvements, Hybrid electric vehicles, Natural gas vehicles, Propane <b>Audience:</b> Delivery, General Public, Government, Private Fleets, Transit, Waste, Other	06/17/2016	Conference participation	15%	200
NASEO Conference in Williamsburg <b>Technology:</b> Biodiesel, E85, Electric vehicles, Hybrid electric vehicles, Hydrogen, Natural gas vehicles, Propane <b>Audience:</b> General Public, Government, Private Fleets, Transit, Utility, Other	06/20/2016	Conference participation	25%	40
Virginia Ag Expo <b>Technology:</b> Biodiesel, E85 <b>Audience:</b> General Public, Government, Private Fleets, Utility, Other	08/04/2016	Conference participation	25%	1,500
Go Green Challenge Forum in Harrisonburg <b>Technology:</b> Biodiesel, E85, Electric vehicles, Fuel economy improvements, Hybrid electric vehicles, Natural gas vehicles, Propane <b>Audience:</b> General Public, Government, Private Fleets, Transit, Other	08/08/2016	Meeting - Other	100%	60
Rappahannock Electric Cooperative Conference <b>Technology:</b> Electric vehicles <b>Audience:</b> General Public, Government, Private Fleets, Transit, Utility, Waste, Other	08/11/2016	Conference participation	25%	150
Shenandoah National Park Electric Vehicle Charger Ribbon Cutting <b>Technology:</b> Electric vehicles <b>Audience:</b> General Public, Government, Other <i>30 in actual attendance at event, reminder are from media exposure</i>	08/20/2016	Media Event	75%	300
CNG Training and Certification - Chesapeake <b>Technology:</b> Natural gas vehicles <b>Audience:</b> General Public, Government, Private Fleets, Waste, Other	08/22/2016	Workshop held by coalition	100%	10

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Lunch and Learn Diesel Engine Scrappage Workshop <b>Technology:</b> Propane <b>Audience:</b> General Public, Government, Private Fleets, Transit, Other	09/12/2016	Workshop held by coalition	100%	30
Ohio Hydrogen Symposium <b>Technology:</b> Hydrogen <b>Audience:</b> General Public, Government, Private Fleets, Transit, Other	09/26/2016	Conference participation	25%	200
Old Dominion NAFA I & E Conference <b>Technology:</b> E85, Electric vehicles, Fuel economy improvements, Hybrid electric vehicles, Natural gas vehicles, Propane <b>Audience:</b> Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste, Other	09/27/2016	Conference participation	25%	100
Federal Fleet EV Workshop <b>Technology:</b> Electric vehicles <b>Audience:</b> Government, Other	10/19/2016	Conference participation	25%	200
USDA Sheetz Ribbon Cutting <b>Technology:</b> E85 <b>Audience:</b> General Public, Government, Private Fleets, Other <i>40 in attendance, 300 including media impressions</i>	10/26/2016	Media Event	100%	300
NFPA Alt. Fuel Vehicle Safety Training for First Responders <b>Technology:</b> Biodiesel, E85, Electric vehicles, Hybrid electric vehicles, Hydrogen, Natural gas vehicles, Propane <b>Audience:</b> General Public, Government, Private Fleets, Waste, Other	11/14/2016	Workshop held by coalition	100%	110
Fall Stakeholder Meeting in Richmond <b>Technology:</b> E85, Electric vehicles, Fuel economy improvements, Hybrid electric vehicles, Hydrogen, Natural gas vehicles, Propane <b>Audience:</b> General Public, Government, Private Fleets, Transit, Utility	11/15/2016	Meeting - Stakeholder	100%	23
Hydrogen Symposium in CT <b>Technology:</b> Hydrogen <b>Audience:</b> General Public, Government, Private Fleets, Transit, Other	11/17/2016	Conference participation	25%	100
VW Settlement Program Public Hearing in Richmond <b>Technology:</b> Electric vehicles, Fuel economy improvements, Natural gas vehicles, Propane <b>Audience:</b> General Public, Government, Private Fleets, Transit, Other	12/07/2016	Meeting - Other	25%	50
Workplace Charging Ribbon Cutting with Nexcom Navy Facility <b>Technology:</b> Electric vehicles, Hybrid electric vehicles <b>Audience:</b> General Public, Government, Other <i>75 in attendance, 200 including media impressions</i>	12/16/2016	Media Event	75%	200
Group EV Buy Event <b>Technology:</b> Electric vehicles <b>Audience:</b> General Public, Government, Private Fleets	12/17/2016	Workshop held by coalition	100%	20
<b>Total:</b>				<b>11,328</b>

# 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	\$500,000	\$40,000	\$540,000	\$228,196	-	\$228,196
Additional grant money added since start \$0 Additional matching funds added since start \$0 Length of grant: 3 Year grant began: 2015 Sources of the grant: Department of Energy Partners: Birch Studio, Breakthrough Technologies Incorporated Technologies: H2 - Hydrogen Purpose: Build Hydrogen and Fuel Cell Supply Chain Website						
DOE	\$750,000	-	\$750,000	\$73,555	-	\$73,555
Additional grant money added since start \$0 Additional matching funds added since start \$0 Length of grant: 2 Year grant began: 2015 Sources of the grant: Department of Energy Partners: NFPA Technologies: CNG - Compressed Natural Gas, E85 - 85 percent Ethanol, Electricity, LNG - Liquefied Natural Gas Purpose: First responder education nationwide						
DOT	\$9,000,000	\$0	\$9,000,000	\$354,071	-	\$354,071
Additional grant money added since start \$0 Additional matching funds added since start \$0 Length of grant: 9 Year grant began: 2015 Sources of the grant: Other Federal Agency Partners: Virginia DMME, Virginia DOT Technologies: CNG - Compressed Natural Gas, Propane Purpose: Replace gasoline/diesel state and local government vehicles with propane and natural gas						
EPA	\$829,954	\$1,458,211	\$2,288,165	\$32,867	-	\$32,867
Length of grant: 3 Year grant began: 2015 Sources of the grant: Environmental Protection Agency Partners: Ideair, Richmond City, Roanoke City, Shorepower Technologies: CNG - Compressed Natural Gas, Electricity Purpose: Diesel Emission Reduction						
Port of Virginia	\$4,000,000	\$0	\$4,000,000	\$5,974	-	\$5,974
Additional grant money added since start \$0 Additional matching funds added since start \$0 Length of grant: 4 Year grant began: 2015 Sources of the grant: Congestion Mitigation and Air Quality Improvement (CMAQ) Program, Volkswagen Technologies: Fuel Economy Improvements Purpose: Port dray truck voluntary replacement program Green Operator.org						
<b>Total:</b>	<b>\$15,079,954</b>	<b>\$1,498,211</b>	<b>\$16,578,165</b>	<b>\$694,663</b>	<b>\$0</b>	<b>\$694,663</b>