

# 2013 Transportation Technology Deployment Report:

Virginia Clean Cities

March 2014

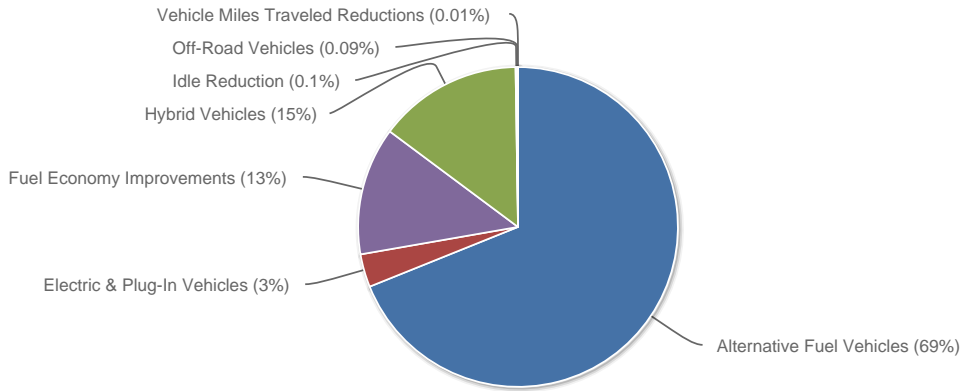
The U.S. Department of Energy's (DOE) Clean Cities program advances the nation's economic, environmental, and energy security by supporting local actions to reduce petroleum use in transportation. A national network of nearly 100 Clean Cities coalitions brings together stakeholders in the public and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

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

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

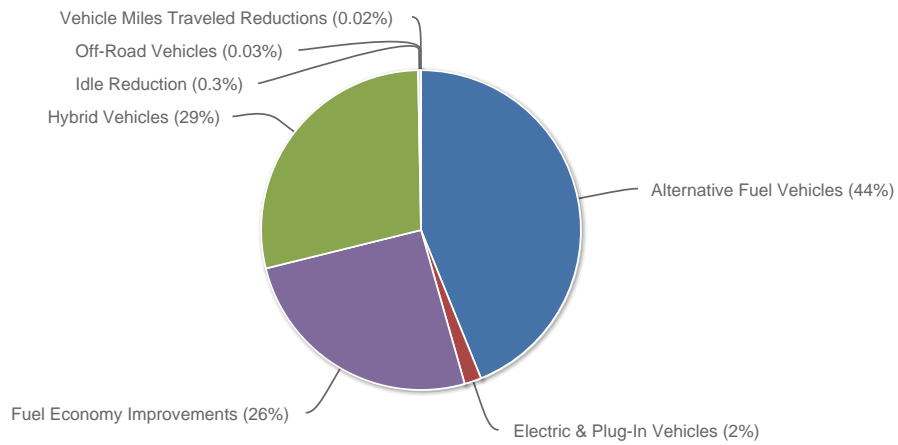
### 2013 Gallons of Gasoline Equivalent Reduced

13,815,877 gallons

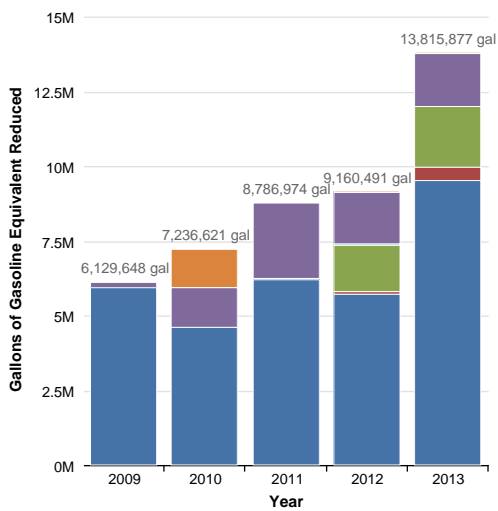


### 2013 Greenhouse Gas Emissions Reduced

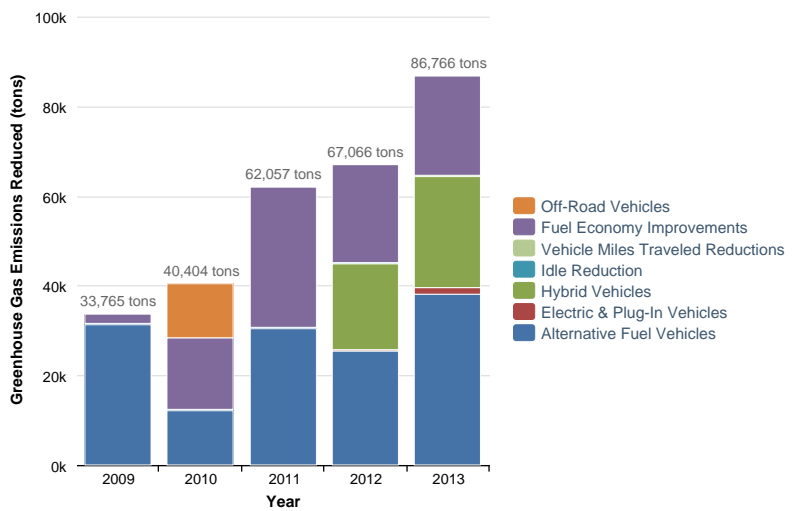
86,766 tons



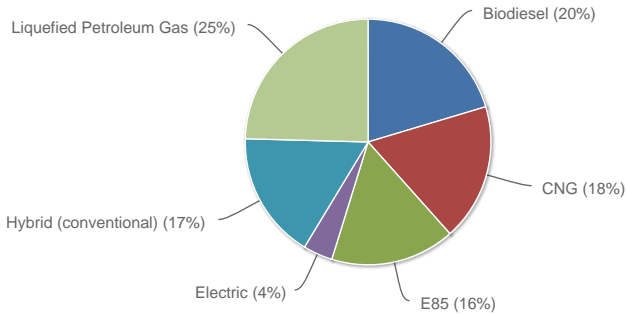
### Historical Gallons of Gasoline Equivalent Reduced



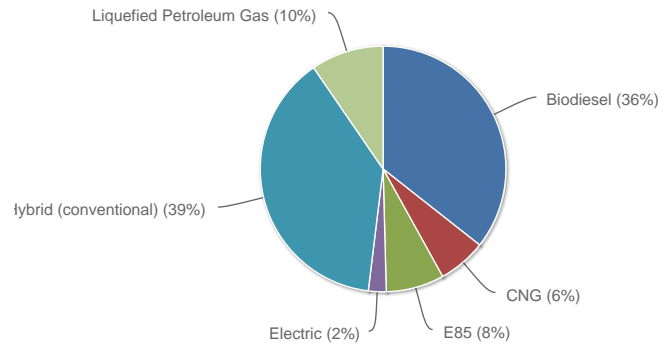
### Historical Greenhouse Gas Emissions Reduced



**2013 Gallons of Gasoline Equivalent Reduced by Fuel Type for Alternative Fuel Projects**  
12,007,828 gallons



**2013 Greenhouse Gas Emissions Reduced by Fuel Type for Alternative Fuel Projects**  
64,376 tons



## 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 22807	540-568-8896	
<b>Michael Phillips</b>	Virginia Department of Mines, Minerals and Energy 1100 Bank St Richmond, VA 23219	804-482-1790	

<b>Number of coordinators</b>	2
<b>Coordinator(s) hours per week on Clean Cities</b>	60 hours
<b>Other staff hours per week on Clean Cities</b>	30 hours
<b>How long have you been the coordinator?</b>	4 years

## OPERATING INFORMATION

<b>Host organization</b>	University
<b>Stakeholders</b>	
<b>Number of stakeholders</b>	200
<b>Number of private stakeholders</b>	70
<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>	Partnership on grants and general coalition support. Virginia Clean Cities facilitates and assists with state events, meetings, programs, and executive initiatives.
<b>How would you rate the quality of the data on your survey?</b>	Excellent

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

## 2013 Outside Funding

Stakeholder dues collected	\$51,400
How much funding is obtained from other sources to cover coalition operating expenses?	\$25,424
Non-DOE or ARRA grant and matching funds spent in 2013	\$92,022
Total non-DOE or ARRA funding in 2013	\$168,846

## VEHICLE & FUEL INVENTORY

### Alternative Fuel & Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Additional Biodiesel Production	Light-Duty	Biodiesel (100%)	1	1,000,000 gal	913,500 gal	8,851.1 tons
<p>Market: General/Unknown            Vehicle type: Unknown/Other            Percentage from coalition: 75%            National Clean Fleets Partnership: No</p> <p><i>This represents the additional biodiesel produced in the Commonwealth and distributed to stations for public biodiesel fleets. This excludes the entire quantity of biodiesel used by fleets elsewhere in the report.</i></p>						
Airport Shuttle	Heavy-Duty	LPG	20	85% of time	21,372 gal	44.6 tons
<p>Miles traveled per vehicle: 22,724 mi            Average vehicle fuel economy: 6 MPGde            Market: Airport            Vehicle type: Bus: Shuttle            Percentage from coalition: 30%            National Clean Fleets Partnership: No</p>						
Albemarle County	Heavy-Duty	Biodiesel (20%)	13	75% of time	8,564 gal	78.5 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>						
Albemarle County	Light-Duty	E85	3	50% of time	950 gal	2.4 tons
<p>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</p>						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Alsop Trucking	Light-Duty	Biodiesel (20%)	15	25% of time	470 gal	4.6 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						
Appalachian Natural Gas Distribution	Heavy-Duty	CNG	2	85% of time	7,466 gal	14.0 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	8	85% of time	3,848 gal	7.2 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						
Augusta County	Light-Duty	LPG	8	85% of time	4,909 gal	10.2 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						
Bioride	Light-Duty	Biodiesel (20%)	7	100% of time	1,507 gal	14.6 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	25% of time	313 gal	2.9 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						
Blacksburg	Light-Duty	Biodiesel (20%)	25	25% of time	783 gal	7.6 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	E85	15	25% of time	1,329 gal	3.3 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	20	75% of time	7,162 gal	17.9 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						
Carol County	Heavy-Duty	Biodiesel (20%)	10	75% of time	6,587 gal	60.4 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						
Carroll County - GA	Light-Duty	LPG	34	85% of time	4,173 gal	8.7 tons
Miles traveled per vehicle: 15,160 mi Average vehicle fuel economy: 21 MPGe Market: Government - Local Vehicle type: Patrol Car Percentage from coalition: 20% National Clean Fleets Partnership: No						
Carrollton - GA	Light-Duty	LPG	11	85% of time	1,350 gal	2.8 tons
Miles traveled per vehicle: 15,160 mi Average vehicle fuel economy: 21 MPGe Market: Government - Local Vehicle type: Patrol Car Percentage from coalition: 20% National Clean Fleets Partnership: No						
Charlottesville	Heavy-Duty	Biodiesel (20%)	50	75% of time	32,937 gal	301.8 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						
Charlottesville	Heavy-Duty	CNG	2	100% of time	4,426 gal	8.3 tons
Miles traveled per vehicle: 12,000 mi Average vehicle fuel economy: 6 MPGe 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	12.0 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						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Charlottesville	Light-Duty	CNG	5	100% of time	2,722 gal	5.1 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						
Charlottesville	Light-Duty	E85	7	25% of time	862 gal	2.2 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						
Chesapeake Waste Management	Heavy-Duty	CNG	33	85% of time	129,319 gal	243.3 tons
Miles traveled per vehicle: 25,000 mi Average vehicle fuel economy: 6 MPGde Market: General/Unknown Vehicle type: Truck: Refuse Percentage from coalition: 100% National Clean Fleets Partnership: No						
Chesterfield County	Heavy-Duty	Biodiesel (20%)	18	75% of time	11,857 gal	108.7 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						
Chesterfield County	Light-Duty	Biodiesel (20%)	23	75% of time	1,897 gal	18.4 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	Light-Duty	E85	25	25% of time	2,984 gal	7.5 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						
Chesterfield County Fleet Management	Light-Duty	LPG	11	100% of time	5,988 gal	12.5 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 Chesapeake	Heavy-Duty	CNG	21	100% of time	92,223 gal	173.5 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						



Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
City of Chesapeake	Light-Duty	E85	198	50% of time	48,738 gal	121.8 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						
City of Richmond	Heavy-Duty	CNG	34	85% of time	126,917 gal	238.8 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	15	85% of time	7,215 gal	13.6 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 Staunton - Public Works	Heavy-Duty	Biodiesel (20%)	53	75% of time	25,836 gal	236.7 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 74% National Clean Fleets Partnership: No						
City of Staunton - Public Works	Light-Duty	Biodiesel (20%)	4	75% of time	244 gal	2.4 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 23 MPG Market: Utility Vehicle type: Unknown/Other Percentage from coalition: 74% National Clean Fleets Partnership: No						
City of Staunton - Public Works	Light-Duty	E85	9	25% of time	1,108 gal	2.8 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	5.4 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 Williamsburg	Heavy-Duty	CNG	16	100% of time	70,265 gal	132.2 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						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Community Counseling	Light-Duty	LPG	29	85% of time	17,996 gal	37.6 tons
Miles traveled per vehicle: 10,951 mi Average vehicle fuel economy: 15 MPGge Market: Corporate Fleet Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No						
Culpeper County	Light-Duty	LPG	18	85% of time	11,045 gal	23.1 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						
Department of State Police	Light-Duty	E85	429	25% of time	50,249 gal	125.6 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 (20%)	451	75% of time	297,090 gal	2,722.4 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						
Dominion Virginia Power	Light-Duty	E85	435	25% of time	51,921 gal	129.8 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						
Dominion Virginia Power	Light-Duty	LPG	59	100% of time	32,118 gal	67.0 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						
First Piedmont Corporation	Heavy-Duty	CNG	6	100% of time	26,349 gal	49.6 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						
Frederick County	Light-Duty	LPG	10	85% of time	6,136 gal	12.8 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
GRTC	Heavy-Duty	CNG	69	100% of time	303,019 gal	570.0 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						
Gloucester County	Heavy-Duty	Biodiesel (20%)	113	75% of time	37,509 gal	343.7 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						
Gloucester County	Heavy-Duty	LPG	8	100% of time	17,704 gal	37.0 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	Light-Duty	Biodiesel (20%)	4	74% of time	326 gal	3.2 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						
Greenlight Biofuels	Heavy-Duty	Biodiesel (20%)	8	100% of time	7,376 gal	67.6 tons
Miles traveled per vehicle: 25,000 mi Average vehicle fuel economy: 6 MPG Market: Corporate Fleet Vehicle type: Truck: Refuse Percentage from coalition: 100% National Clean Fleets Partnership: No						
Greenville County	Light-Duty	LPG	126	85% of time	61,853 gal	129.1 tons
Miles traveled per vehicle: 15,160 mi Average vehicle fuel economy: 21 MPGge Market: Government - Local Vehicle type: Patrol Car Percentage from coalition: 80% National Clean Fleets Partnership: No						
Groome Transportation	Light-Duty	LPG	51	85% of time	6,330 gal	13.2 tons
Miles traveled per vehicle: 10,951 mi Average vehicle fuel economy: 15 MPGge Market: Airport Vehicle type: Pickup/SUV/Van Percentage from coalition: 20% National Clean Fleets Partnership: No						
J. Sargeant Reynolds CC	Light-Duty	E85	3	50% of time	738 gal	1.8 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						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
JMU	Heavy-Duty	CNG	1	100% of time	4,392 gal	8.3 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						
JMU	Heavy-Duty	E85	2	25% of time	1,865 gal	4.7 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						
JMU	Light-Duty	E85	79	25% of time	9,429 gal	23.6 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						
JMU	Light-Duty	LPG	13	85% of time	6,015 gal	12.6 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 21 MPGe Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Jackson County	Light-Duty	LPG	20	85% of time	2,454 gal	5.1 tons
Miles traveled per vehicle: 15,160 mi Average vehicle fuel economy: 21 MPGe Market: Government - Local Vehicle type: Patrol Car Percentage from coalition: 20% National Clean Fleets Partnership: No						
James City County - Municipal	Heavy-Duty	Biodiesel (5%)	25	75% of time	4,117 gal	37.7 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	21.6 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	4,185 gal	10.5 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						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
James City County - Schools	Light-Duty	E85	17	50% of time	4,185 gal	10.5 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 River Petroleum	Heavy-Duty	Biodiesel (20%)	14	25% of time	3,074 gal	28.2 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						
James River Petroleum	Heavy-Duty	Biodiesel (20%)	10	75% of time	6,587 gal	60.4 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						
Keystone Atlanta - GA	Light-Duty	LPG	13	85% of time	6,542 gal	13.7 tons
Miles traveled per vehicle: 44,403 mi Average vehicle fuel economy: 15 MPGge Market: Corporate Fleet Vehicle type: Pickup/SUV/Van Percentage from coalition: 20% National Clean Fleets Partnership: No						
King and Queen County Schools	Heavy-Duty	Biodiesel (5%)	23	75% of time	3,788 gal	34.7 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>						
Kingsport - TN	Light-Duty	LPG	12	85% of time	3,682 gal	7.7 tons
Miles traveled per vehicle: 15,160 mi Average vehicle fuel economy: 21 MPGge Market: Government - Local Vehicle type: Patrol Car Percentage from coalition: 50% National Clean Fleets Partnership: No						
Liberty University	Light-Duty	E85	60	25% of time	7,162 gal	17.9 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						
Limousine Livery - LA	Light-Duty	LPG	16	85% of time	14,667 gal	30.6 tons
Miles traveled per vehicle: 56,620 mi Average vehicle fuel economy: 21 MPGge Market: Taxis Vehicle type: Car Percentage from coalition: 40% National Clean Fleets Partnership: No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Lynchburg	Heavy-Duty	Biodiesel (20%)	16	75% of time	10,540 gal	96.6 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						
Muscogee County - GA	Light-Duty	LPG	31	85% of time	3,804 gal	7.9 tons
Miles traveled per vehicle: 15,160 mi Average vehicle fuel economy: 21 MPGge Market: Government - Local Vehicle type: Patrol Car Percentage from coalition: 20% National Clean Fleets Partnership: No						
Newport News	Heavy-Duty	Biodiesel (20%)	253	75% of time	166,660 gal	1,527.2 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	227.8 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	198	25% of time	23,633 gal	59.1 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	LPG	26	85% of time	15,954 gal	33.3 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						
Norfolk - Municipal	Light-Duty	LPG	22	100% of time	11,976 gal	25.0 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						
Norfolk - Schools	Light-Duty	CNG	3	100% of time	1,633 gal	3.1 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						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Norfolk - Schools	Light-Duty	E85	15	25% of time	1,790 gal	4.5 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						
Norfolk - Schools	Light-Duty	LPG	2	100% of time	1,089 gal	2.3 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						
Norfolk Botanical Gardens	Heavy-Duty	Biodiesel (20%)	1	75% of time	659 gal	6.0 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						
Northumberland County	Heavy-Duty	Biodiesel (20%)	30	75% of time	19,762 gal	181.1 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						
OTHER REGISTERED VIRGINIA E85 TOTAL	Light-Duty	E85	34,000	5% of time	811,645 gal	2,028.8 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						
<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.</i>						
<i>Mark Singer reduced vehicle total to 10% of 340,000 vehicles and increased percent contribution to 100%.</i>						
Old Dominion University	Heavy-Duty	Biodiesel (20%)	5	25% of time	1,098 gal	10.1 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Old Dominion University	Heavy-Duty	E85	24	25% of time	11,189 gal	28.0 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: General/Unknown 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
Old Dominion University	Light-Duty	E85	17	25% of time	1,507 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: 100% National Clean Fleets Partnership: No						
Pearl River - MS	Light-Duty	LPG	16	85% of time	9,818 gal	20.5 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						
Peninsula Propane - Clearwater, FL	Light-Duty	LPG	47	85% of time	150,798 gal	314.8 tons
Miles traveled per vehicle: 56,620 mi Average vehicle fuel economy: 15 MPGge Market: Taxis Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No						
Peninsula Propane - Jacksonville, FL	Light-Duty	LPG	37	85% of time	118,713 gal	247.8 tons
Miles traveled per vehicle: 56,620 mi Average vehicle fuel economy: 15 MPGge Market: Taxis Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No						
Peninsula Propane - West Palm Beach, FL	Light-Duty	LPG	250	85% of time	802,117 gal	1,674.3 tons
Miles traveled per vehicle: 56,620 mi Average vehicle fuel economy: 15 MPGge Market: Taxis Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No						
Phillips Oil and Gas	Heavy-Duty	Biodiesel (20%)	3	25% of time	659 gal	6.0 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						
Phillips Oil and Gas	Heavy-Duty	LPG	1	100% of time	4,392 gal	9.2 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						
Phillips Oil and Gas	Light-Duty	E85	2	25% of time	239 gal	0.6 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						



Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Phillips Oil and Gas	Light-Duty	LPG	5	100% of time	2,830 gal	5.9 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						
Pickins County - SC	Light-Duty	LPG	28	85% of time	13,745 gal	28.7 tons
Miles traveled per vehicle: 15,160 mi Average vehicle fuel economy: 21 MPGge Market: Government - Local Vehicle type: Patrol Car Percentage from coalition: 80% National Clean Fleets Partnership: No						
Prince William County	Light-Duty	LPG	1	100% of time	544 gal	1.1 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						
Range Resources	Light-Duty	CNG	16	85% of time	7,696 gal	14.5 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	56.3 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Reco	Light-Duty	Biodiesel (20%)	1	100% of time	125 gal	1.2 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						
Red Top	Light-Duty	LPG	1	85% of time	2,292 gal	4.8 tons
Miles traveled per vehicle: 56,620 mi Average vehicle fuel economy: 21 MPGge Market: Taxis Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Reynolds Community College	Light-Duty	E85	3	25% of time	266 gal	0.7 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						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Richmond DPU	Light-Duty	CNG	35	100% of time	19,647 gal	37.0 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 - Municipal	Heavy-Duty	Biodiesel (20%)	350	75% of time	230,558 gal	2,112.7 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						
Roanoke - Municipal	Light-Duty	Biodiesel (20%)	20	75% of time	1,650 gal	16.0 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						
Roanoke - Municipal	Light-Duty	E85	26	20% of time	2,483 gal	6.2 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						
Roanoke - Municipal	Light-Duty	LPG	6	100% of time	3,266 gal	6.8 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						
Roanoke - Schools	Heavy-Duty	Biodiesel (20%)	143	75% of time	47,468 gal	435.0 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						
Sandy Springs - GA	Light-Duty	LPG	55	85% of time	6,750 gal	14.1 tons
Miles traveled per vehicle: 15,160 mi Average vehicle fuel economy: 21 MPGge Market: Government - Local Vehicle type: Patrol Car Percentage from coalition: 20% National Clean Fleets Partnership: No						
Schwans	Heavy-Duty	LPG	110	100% of time	1,313,755 gal	2,742.2 tons
Miles traveled per vehicle: 64,764 mi Average vehicle fuel economy: 6 MPGde 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
Shenandoah National Park	Heavy-Duty	Biodiesel (20%)	65	25% of time	14,273 gal	130.8 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: National Parks Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Spotsylvania County	Heavy-Duty	LPG	5	100% of time	21,958 gal	45.8 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	86	25% of time	10,265 gal	25.7 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						
Spotsylvania County	Light-Duty	LPG	24	85% of time	14,727 gal	30.7 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						
State Farm Insurance	Light-Duty	E85	267	25% of time	28,995 gal	72.5 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						
SuperValu	Heavy-Duty	Biodiesel (20%)	105	25% of time	23,056 gal	211.3 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
SuperValu	Heavy-Duty	CNG	38	1,000,000 GGE	950,058 gal	1,787.2 tons
Market: General/Unknown Vehicle type: Truck: Semi-tailer Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Fleet to expand to 70 trucks (2 million gallons) in 2014</i>						
TFC Recycling	Heavy-Duty	CNG	16	100% of time	147,529 gal	277.5 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						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Transport Plus	Heavy-Duty	Biodiesel (20%)	2	75% of time	1,317 gal	12.1 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						
Transport Plus	Heavy-Duty	CNG	3	100% of time	13,175 gal	24.8 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						
Transport Plus	Light-Duty	Biodiesel (20%)	2	75% of time	165 gal	1.6 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	CNG	2	100% of time	1,132 gal	2.1 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						
US Air Force	Heavy-Duty	Biodiesel (20%)	162	75% of time	78,969 gal	723.6 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 74% National Clean Fleets Partnership: No						
US Air Force	Light-Duty	Biodiesel (20%)	43	75% of time	2,625 gal	25.4 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 23 MPG Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 74% National Clean Fleets Partnership: No						
US Air Force	Light-Duty	CNG	6	100% of time	2,417 gal	4.5 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 21 MPGge Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 74% National Clean Fleets Partnership: No						
US Air Force	Light-Duty	E85	55	100% of time	19,432 gal	48.6 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 15 MPG Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 74% National Clean Fleets Partnership: No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
US Army - Ft. Eustis	Light-Duty	Biodiesel (20%)	45	75% of time	2,747 gal	26.6 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 23 MPG Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 74% National Clean Fleets Partnership: No						
US Army - Ft. Eustis	Light-Duty	E85	92	50% of time	16,252 gal	40.6 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 15 MPG Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 74% National Clean Fleets Partnership: No						
US Army - Ft. Lee	Heavy-Duty	Biodiesel (20%)	2	75% of time	468 gal	4.3 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 6 MPG Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 74% National Clean Fleets Partnership: No						
US Army - Ft. Lee	Light-Duty	CNG	2	85% of time	712 gal	1.3 tons
Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 20 MPGge Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 74% National Clean Fleets Partnership: No						
US Army - Ft. Lee	Light-Duty	E85	175	50% of time	30,914 gal	77.3 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 15 MPG Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 74% National Clean Fleets Partnership: No						
US Navy	Heavy-Duty	Biodiesel (20%)	144	75% of time	70,195 gal	643.2 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 74% National Clean Fleets Partnership: No						
US Navy	Heavy-Duty	E85	6	70% of time	7,728 gal	19.3 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 74% National Clean Fleets Partnership: No						
US Navy	Light-Duty	Biodiesel (20%)	144	75% of time	10,008 gal	97.0 tons
Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 20 MPG Market: General/Unknown 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
US Navy	Light-Duty	CNG	1	100% of time	403 gal	0.8 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 21 MPGge Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 74% National Clean Fleets Partnership: No						
US Navy	Light-Duty	E85	1,145	70% of time	283,174 gal	707.8 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 15 MPG Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 74% National Clean Fleets Partnership: No						
UVA - Facilities	Heavy-Duty	Biodiesel (20%)	30	75% of time	19,762 gal	181.1 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						
UVA - Facilities	Light-Duty	Biodiesel (20%)	20	75% of time	1,650 gal	16.0 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						
UVA - Facilities	Light-Duty	LPG	2	100% of time	1,089 gal	2.3 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						
UVA - Transportation	Heavy-Duty	Biodiesel (20%)	34	75% of time	22,397 gal	205.2 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						
UVA - Transportation	Light-Duty	E85	2	100% of time	985 gal	2.5 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						
VDOT	Heavy-Duty	Biodiesel (20%)	20	75% of time	9,749 gal	89.3 tons
Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG 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
VDOT	Light-Duty	E85	105	40% of time	14,839 gal	37.1 tons
Miles traveled per vehicle: 11,432 mi Average vehicle fuel economy: 15 MPG Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 74% National Clean Fleets Partnership: No						
Van Go Transportation Service	Light-Duty	CNG	45	85% of time	37,220 gal	70.0 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						
Van Go Transportation Service	Light-Duty	LPG	45	85% of time	37,220 gal	77.7 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						
Veolia Baltimore, MD	Light-Duty	LPG	52	85% of time	24,811 gal	51.8 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 21 MPGge Market: Airport Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
Veolia Denver, CO	Light-Duty	LPG	100	85% of time	23,857 gal	49.8 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 21 MPGge Market: Airport Vehicle type: Car Percentage from coalition: 50% National Clean Fleets Partnership: No						
Veolia Jacksonville, FL	Light-Duty	LPG	100	85% of time	47,713 gal	99.6 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 21 MPGge Market: Airport Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
Veolia Pittsburgh, PA	Light-Duty	LPG	50	85% of time	23,857 gal	49.8 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 21 MPGge Market: Airport Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
Villa Rica - GA	Light-Duty	LPG	11	85% of time	1,350 gal	2.8 tons
Miles traveled per vehicle: 15,160 mi Average vehicle fuel economy: 21 MPGge Market: Government - Local Vehicle type: Patrol Car Percentage from coalition: 20% National Clean Fleets Partnership: No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Virginia Beach - City	Heavy-Duty	CNG	1	100% of time	4,392 gal	8.3 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						
Virginia Beach - City	Light-Duty	CNG	2	100% of time	1,089 gal	2.0 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						
Virginia Beach - City	Light-Duty	E85	86	10% of time	4,234 gal	10.6 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						
Virginia Beach - Schools	Heavy-Duty	Biodiesel (20%)	819	75% of time	271,859 gal	2,491.2 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						
Virginia Beach - Schools	Heavy-Duty	CNG	4	100% of time	8,852 gal	16.7 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						
Virginia Beach - Schools	Light-Duty	Biodiesel (20%)	3	75% of time	255 gal	2.5 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	1.1 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 Commonwealth University	Light-Duty	CNG	1	85% of time	361 gal	0.7 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						



Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Virginia DEQ	Light-Duty	E85	47	40% of time	6,849 gal	17.1 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 DGS	Light-Duty	CNG	90	100% of time	37,385 gal	70.3 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 DGS	Light-Duty	E85	2,103	60% of time	459,682 gal	1,149.0 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 Eagle Distributing	Light-Duty	E85	75	25% of time	9,895 gal	24.7 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	Light-Duty	Biodiesel (20%)	103	75% of time	32,572 gal	315.6 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	1,194 gal	3.0 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	LPG	90	100% of time	48,994 gal	102.3 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 Premier Health Care	Light-Duty	CNG	6	85% of time	2,749 gal	5.2 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						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Virginia Premier Health Care	Light-Duty	LPG	24	85% of time	11,105 gal	23.2 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						
Virginia Tech - Facilities	Light-Duty	E85	202	20% of time	19,889 gal	49.7 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						
Washington & Lee University	Heavy-Duty	Biodiesel (20%)	10	75% of time	6,587 gal	60.4 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						
Washington & Lee University	Light-Duty	E85	2	25% of time	239 gal	0.6 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						
Washington and Lee Universtiy	Light-Duty	E85	2	25% of time	177 gal	0.4 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						
Williamsburg Area Transit Authority	Heavy-Duty	CNG	16	85% of time	77,649 gal	146.1 tons
Miles traveled per vehicle: 36,424 mi Average vehicle fuel economy: 6 MPGde Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 85% National Clean Fleets Partnership: No						
Williamsburg Transit Authority	Heavy-Duty	CNG	16	100% of time	70,265 gal	132.2 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						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
York County	Light-Duty	E85	44	25% of time	5,415 gal	13.5 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>46,114</b>		<b>9,519,920 gal</b>	<b>38,063 tons</b>

## Electric, Hybrid & Plug-in Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Hampton Roads HDV HEV Fleets	Heavy-Duty	HEV	133	263,487 gal	3,245.6 tons
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					
Hampton Roads LDV EV Fleets	Light-Duty	Electric	105	67,544 gal	219.3 tons
Miles traveled per vehicle per year: 10,614 mi Market: General/Unknown Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No					
Hampton Roads LDV HEV Fleets	Light-Duty	HEV	224	50,090 gal	617.0 tons
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					
Other Registered Electric Vehicles Virginia	Light-Duty	Electric	440	283,040 gal	919.0 tons
Miles traveled per vehicle per year: 10,614 mi Market: General/Unknown Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No					
<i>This is a total of registered electric vehicles in Virginia other than those that were reported elsewhere.</i>					
<i>Mark Singer reduced the vehicle count to 20% of the total and increased the percent contribution to 100%.</i>					
Other Registered Hybrid Electric Vehicles	Light-Duty	HEV	6,300	1,564,589 gal	19,272.2 tons
Average vehicle fuel economy: 45 MPG Miles traveled per vehicle per year: 11,788 mi Market: General/Unknown Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No					
<i>This is a listing of other Virginia hybrids including citizen deployments that are not captured in other areas of this report.</i>					
<i>Mark Singer reduced the vehicle count to 7% of total and increased the percent contribution to 100%.</i>					
Rest of Virginia HDV HEV Fleets	Heavy-Duty	HEV	14	72,658 gal	895.0 tons
Average vehicle fuel economy: 45 MPG Miles traveled per vehicle per year: 30,000 mi 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	GGE Reduced	GHG Reduced
Rest of Virginia LDV EV Fleets Miles traveled per vehicle per year: 10,614 mi Market: General/Unknown Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No	Light-Duty	Electric	68	43,743 gal	142.0 tons
Rest of Virginia LDV HEV Fleets 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	Light-Duty	HEV	137	30,635 gal	377.4 tons
Richmond HDV HEV Fleets Average vehicle fuel economy: 15 MPG Miles traveled per vehicle per year: 18,000 mi Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No	Heavy-Duty	HEV	2	4,457 gal	54.9 tons
Richmond LDV EV Fleets Miles traveled per vehicle per year: 10,614 mi Market: General/Unknown Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No	Light-Duty	Electric	106	68,187 gal	221.4 tons
Richmond LDV HEV Fleets 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	Light-Duty	HEV	118	26,386 gal	325.0 tons
<b>Total:</b>			<b>7,647</b>	<b>2,474,816 gal</b>	<b>26,289 tons</b>

## Off-Road Vehicles

Fleet Name	Application	Method	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Belmont Golf Course Fuel used: 50,000 kWh Percentage from coalition: 100% National Clean Fleets Partnership: No	Recreational equipment	Alternative fuel or vehicles	Electric	61	5,100 gal	7.3 tons
Virginia Dominion Power Fuel used: 10,800 gal Percentage from coalition: 100% National Clean Fleets Partnership: No	Forklifts	Alternative fuel or vehicles	LPG	36	7,992 gal	16.7 tons
<b>Total:</b>				<b>97</b>	<b>13,092 gal</b>	<b>24 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						
Virginia Green Operator Vehicles	4 MPG	6 MPG	300	60,000 mi	1,659,704 gal	20,580.6 tons
Method: Vehicle - More efficient Vehicle class: Heavy-Duty Market: General/Unknown Vehicle type: Truck: Semi-tailer Percentage from coalition: 100% National Clean Fleets Partnership: No						
<b>Total:</b>			<b>443</b>	<b>171,432 mi</b>	<b>1,786,852 gal</b>	<b>22,155 tons</b>

## Vehicle Miles Traveled Reductions

Fleet Name	Method	Vehicle Class	GGE Reduced	GHG Reduced
Total Virginia Green Fleet Bikes	Non-motorized locomotion (e.g., bicycles)	Light-Duty	1,440 gal	17.7 tons
Fuel: Gasoline Fuel economy: 25 MPG Number of vehicles: 60 VMT reduction per vehicle: 600 mi Percentage from coalition: 100% National Clean Fleets Partnership: No <i>This represents fleet bikes used to replace car trips.</i>				
<b>Total:</b>			<b>1,440 gal</b>	<b>18 tons</b>

# IDLE REDUCTION

## Truck Stop Electrification

Project Name	Number of Bays	Usage per Bay	GGE Reduced	GHG Reduced
Shore Power Near Lexington	24	2,400 hrs/year	15,933 gal	170.3 tons
Percentage from coalition: 25% National Clean Fleets Partnership: No				
<b>Total:</b>	<b>24</b>		<b>15,933 gal</b>	<b>170 tons</b>

## Onboard Idle Reduction

Fleet Name	Number of Vehicles	Equipment Usage per Vehicle	Fuel Saved per Vehicle	GGE Reduced	GHG Reduced
Albemarle County Public Schools	14	360 hrs/year	0 gal/hr	2,231 gal	27.5 tons
Equipment: Direct-fire heater Percentage from coalition: 100% National Clean Fleets Partnership: No					

Fleet Name	Number of Vehicles	Equipment Usage per Vehicle	Fuel Saved per Vehicle	GGE Reduced	GHG Reduced
Virginia Beach Public Schools	10	360 hrs/year	0 gal/hr	1,593 gal	19.6 tons
Equipment: Direct-fire heater Percentage from coalition: 100% National Clean Fleets Partnership: No					
<b>Total:</b>	<b>24</b>			<b>3,824 gal</b>	<b>47 tons</b>

## FUEL STATIONS

### New Stations

Fuel	Public Stations	Private Stations
Biodiesel	0	1
CNG - Compressed Natural Gas	0	6
E85 - 85% Ethanol	4	0
Electric Chargers	68	10
Hydrogen	0	0
LNG - Liquefied Natural Gas	0	0
LPG - Liquefied Petroleum Gas	8	3
<b>Total:</b>	<b>80</b>	<b>20</b>

## OUTREACH ACTIVITIES

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Autogas Working Group Call <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	01/07/2013	Meeting - Other	100%	29
CNG Workshop - Charlottesville, VA <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	01/10/2013	Workshop held by coalition	100%	50
Ford Alternative Fuel Showcase - Richmond, VA <b>Technology:</b> Alternative fuel vehicles, Hybrid electric vehicles <b>Audience:</b> General Public, Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	01/23/2013	Workshop held by coalition	100%	41
VCU Energy Conference <b>Technology:</b> Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction <b>Audience:</b> Government, Private Fleets, Other <b>Clean Cities 20th Anniversary Event:</b> No	01/30/2013	Conference participation	10%	200
CNG Working Group Call <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	02/05/2013	Meeting - Other	100%	30
Alternative Fuel Tax Credit and Incentives Workshop <b>Technology:</b> Alternative fuel vehicles, Hybrid electric vehicles <b>Audience:</b> General Public, Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	02/26/2013	Workshop held by coalition	100%	40

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
NETA Work Truck Show and Green Truck Summit - Indianapolis, IN <b>Technology:</b> Alternative fuel vehicles, Fuel economy improvements, Idle reduction <b>Audience:</b> Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	03/05/2013	Conference participation	5%	300
Richmond Public CNG Station Grand Opening <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> General Public, Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	03/06/2013	Media Event	100%	13
March Propane Autogas Working Group Call <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	03/14/2013	Meeting - Other	100%	14
Virginia Wind Festival <b>Technology:</b> Hybrid electric vehicles <b>Audience:</b> General Public <b>Clean Cities 20th Anniversary Event:</b> No	03/16/2013	Literature Distribution	25%	100
CNG Working Group Call <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	04/02/2013	Meeting - Other	100%	16
Environment Virginia <b>Technology:</b> Alternative fuel vehicles, Hybrid electric vehicles <b>Audience:</b> Government <b>Clean Cities 20th Anniversary Event:</b> No	04/09/2013	Workshop held by coalition	25%	225
Lunch and Learn - Lynchburg <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> General Public <b>Clean Cities 20th Anniversary Event:</b> No	04/25/2013	Meeting - Other	100%	39
Compressed Natural Gas Training <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	04/29/2013	Workshop held by coalition	100%	17
Plug-In Electric Vehicles and the Environment Webinar <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	04/30/2013	Meeting - Other	10%	5
Electrifying the Vehicle Market in the Southeast Forum - Knoxville, TN <b>Technology:</b> Alternative fuel vehicles, Hybrid electric vehicles <b>Audience:</b> General Public, Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	05/02/2013	Conference participation	10%	100
Harrisonburg CNG Meeting <b>Technology:</b> Alternative fuel vehicles, Idle reduction <b>Audience:</b> Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	05/09/2013	Meeting - Other	100%	78
EDTA Conference & Annual Meeting <b>Technology:</b> Alternative fuel vehicles, Hybrid electric vehicles <b>Audience:</b> General Public, Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	05/10/2013	Conference participation	5%	200

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Propane Autogas for Vehicles Webinar <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	05/17/2013	Meeting - Other	100%	10
Renewable Fuels Showcase - Harrisonburg <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> General Public, Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	06/15/2013	Workshop held by coalition	100%	74
Virginia Association of Pupil Transportation Alternative Fuel Roadshow <b>Technology:</b> Alternative fuel vehicles, Idle reduction <b>Audience:</b> Government <b>Clean Cities 20th Anniversary Event:</b> No	06/17/2013	Conference participation	20%	36
Clean Cities EV Quarterly Discussion Webinar <b>Technology:</b> Alternative fuel vehicles, Hybrid electric vehicles <b>Audience:</b> Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	06/18/2013	Meeting - Other	10%	50
ACT Expo 2013 - Washington D.C. <b>Technology:</b> Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction <b>Audience:</b> Airport, General Public, Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	06/24/2013	Conference participation	20%	240
VCC Stakeholder Reception <b>Technology:</b> Alternative fuel vehicles, Fuel economy improvements, Hybrid electric vehicles <b>Audience:</b> Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	06/26/2013	Meeting - Stakeholder	100%	55
Fast Charging for Electric Vehicles and Coffee <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	06/28/2013	Meeting - Other	100%	63
Workplace Charging for Plug-in Electric Vehicles Webinar <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	07/16/2013	Meeting - Other	10%	11
Electric Vehicle Demonstration - Harrisonburg <b>Technology:</b> Alternative fuel vehicles, Hybrid electric vehicles <b>Audience:</b> General Public, Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	07/18/2013	Workshop held by coalition	100%	40
CNG Maintenance Facility Upgrade Virtual Seminar <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	08/06/2013	Meeting - Other	100%	71
Propane Autogas Myths and Barriers Webinar <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	09/10/2013	Meeting - Other	100%	30



Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Medium and Heavy-Duty CNG Meeting - Chesapeake <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	09/18/2013	Meeting - Other	100%	57
Natural Resources and Energy Law Symposium - Abingdon <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	09/23/2013	Conference participation	20%	14
Charlottesville EV Charging Network Information Exchange <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> Government <b>Clean Cities 20th Anniversary Event:</b> No	09/24/2013	Meeting - Other	100%	20
National Plug in Day - Harrisonburg <b>Technology:</b> Alternative fuel vehicles, Hybrid electric vehicles <b>Audience:</b> General Public <b>Clean Cities 20th Anniversary Event:</b> No	09/28/2013	Literature Distribution	100%	200
Green Fleet Conference and Expo - Phoenix, AZ <b>Technology:</b> Alternative fuel vehicles, Hybrid electric vehicles <b>Audience:</b> Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	10/01/2013	Conference participation	20%	200
Hybrid and EV Safety for Emergency Responders <b>Technology:</b> Alternative fuel vehicles, Hybrid electric vehicles <b>Audience:</b> Government <b>Clean Cities 20th Anniversary Event:</b> No	10/12/2013	Meeting - Other	100%	75
Virginia Municipal League Annual Conference - Arlington <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> Government <b>Clean Cities 20th Anniversary Event:</b> No	10/13/2013	Conference participation	20%	200
The Governor's Conference on Energy <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	10/15/2013	Conference participation	20%	200
CNG Working Group Call <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	10/22/2013	Meeting - Other	100%	19
Autogas school Bus Case Study Webinar <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	11/06/2013	Meeting - Other	100%	28
Clean Energy Luncheon <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> No	11/13/2013	Meeting - Other	100%	32

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Rally At the Raceway	11/21/2013	Meeting - Stakeholder	100%	45
<b>Technology:</b> Alternative fuel vehicles, Hybrid electric vehicles <b>Audience:</b> Government, Private Fleets <b>Clean Cities 20th Anniversary Event:</b> Yes				
<b>Total:</b>				<b>3,267</b>

## GRANTS

Grantor	Total Grant Amount	Total Matching Funds	Total Project Funding	Grant Amount Spent in 2013	Matching Funds Spent in 2013	Total Project Funding Spent in 2013
Department of Energy	\$427,321	\$40,486	\$467,807	\$160,892	\$17,609	\$178,501
<b>Additional grant money added in 2013</b> \$0 <b>Additional matching funds added in 2013</b> \$0 <b>Length of grant:</b> 2 <b>Year grant began:</b> 2012 <b>Sources of the grant:</b> Department of Energy, Other Federal Agency, State Government <b>Partners:</b> James Madison University <b>Technologies:</b> Electricity, H2 - Hydrogen <b>Purpose:</b> Richmond Electric Vehicle Initiative  <i>The main objective of the Richmond Electric Vehicle Initiative was to advance the Richmond Region as an attractive and sustainable market for electric vehicle technology. A Richmond Regional Strategic Plan was developed to prepare the Commonwealth to develop electric vehicle adoption and charging infrastructure. This infrastructure will help prepare for the deployment of plug-in electric vehicles. Project modeling and planning activities reflected local needs and challenges, and included a comprehensive team of over fifty local and national experts to facilitate success. This plan is a model of other similarly suited localities.</i>						
Department of Energy	\$8,605,100	\$10,449,184	\$19,054,284	\$1,020,132	\$0	\$1,020,132
<b>Additional grant money added in 2013</b> \$0 <b>Additional matching funds added in 2013</b> \$0 <b>Length of grant:</b> 4 <b>Year grant began:</b> 2010 <b>Sources of the grant:</b> Department of Energy, American Recovery and Reinvestment Act <b>Partners:</b> James Madison University <b>Technologies:</b> LPG - Liquefied Petroleum Gas <b>Purpose:</b> Southeast Propane Corridor Development Program  <i>Construct 11 propane fueling stations, converted 1,189 vehicles to propane, conduct propane road shows in 9 southeastern states, deploy a national marketing and outreach campaign. Project displaced millions of gallons of petroleum and educated thousands.</i>						
Department of Energy	\$5,000	-	\$5,000	\$0	\$0	\$0
<b>Length of grant:</b> 2 <b>Year grant began:</b> 2013 <b>Sources of the grant:</b> State Government <b>Partners:</b> James Madison University, NCSU College of Engineering <b>Technologies:</b> Other <b>Purpose:</b> Alternative Fuel Implementation Team  <i>Research and report and provide contact information for appropriate parties involved with road signage policies and implementation in Virginia. Participate in conference calls to discuss strategy for expanding roadside alternative fuel infrastructure signage. Contribute to report on road signage policy and procedures in NC, SC, VA, TN, KY. Publicize road signage policies, contribute photos and success stories on current alt fuel road signage to expand utilization opportunities. Participate in planning calls to discuss alt fuel incentives in NC, SC, VA, TN, KY. Research and report on effectiveness (i.e. utilization numbers, ease of implementation, perceived effectiveness).</i>						
Department of Energy	\$10,000	-	\$10,000	\$2,906	\$0	\$2,906
<b>Length of grant:</b> 1 <b>Year grant began:</b> 2013 <b>Sources of the grant:</b> Department of Energy <b>Partners:</b> National Renewable Energy Laboratory, Shenandoah National Park <b>Technologies:</b> Electricity, Fuel Economy Improvements, LPG - Liquefied Petroleum Gas <b>Purpose:</b> Supporting the Clean Cities National Parks Initiative  <i>Assist Shenandoah National Park with the procurement of 3 electric vehicle chargers, 2 electric vehicles and 12 propane lawn mowers. Engage in an education and outreach campaign.</i>						

Grantor	Total Grant Amount	Total Matching Funds	Total Project Funding	Grant Amount Spent in 2013	Matching Funds Spent in 2013	Total Project Funding Spent in 2013
Department of Energy	\$111,340	\$7,850	\$119,190	\$50,428	\$7,850	\$58,278
<p><b>Length of grant:</b> 2  <b>Year grant began:</b> 2013  <b>Sources of the grant:</b> Department of Energy  <b>Partners:</b> James Madison University, National Energy Technology Laboratory  <b>Technologies:</b> B100 - 100 percent Biodiesel, Biodiesel Blends, CNG - Compressed Natural Gas, E85 - 85 percent Ethanol, Electricity, Fuel Economy Improvements, H2 - Hydrogen, Idle Reduction, LNG - Liquefied Natural Gas, LPG - Liquefied Petroleum Gas, Vehicle-Miles Traveled Reductions, Other  <b>Purpose:</b> Implementation Initiatives to Advance Alternative Fuel Markets</p> <p><i>The Clean Cities program has identified the following four critical areas that provide significant obstacles to alternative fuel vehicle use: 1) Policies, 2) Barrier Reduction, 3) Safety and Training, and 4) Market Development/Outreach. Eight events and trainings will be held to advance alternative fuels.</i></p>						
James Madison University	\$3,000	-	\$3,000	\$1,900	\$0	\$1,900
<p><b>Length of grant:</b> 1  <b>Year grant began:</b> 2013  <b>Sources of the grant:</b> State Government  <b>Partners:</b> 4-VA, James Madison University, University of Virginia, Virginia Polytechnic Institute and State University  <b>Technologies:</b> B100 - 100 percent Biodiesel, Biodiesel Blends, Electricity, Fuel Economy Improvements, H2 - Hydrogen, Idle Reduction, LPG - Liquefied Petroleum Gas, Vehicle-Miles Traveled Reductions, Other  <b>Purpose:</b> 4-VA</p> <p><i>To support faculty efforts that contribute to 4-VA initiatives related to research and instruction. Specific goals involve 1.) encouraging collaboration among faculty in developing research capacity and partnerships, 2.) developing shared courses and 3.) redesigning existing courses. Other proposals that demonstrate innovative approaches relevant to the 4-VA project will also be considered. Potential outcomes include:</i></p> <ul style="list-style-type: none"> <li><i>o Shared Courses</i></li> <li><i>o Redesigned Courses</i></li> <li><i>o Collaborative Research Projects</i></li> <li><i>o Degree Completion (not currently soliciting proposals for this initiative)</i></li> </ul>						
Virginia Department of Agriculture and Consumer Services	\$4,500	-	\$4,500	\$3,855	\$0	\$3,855
<p><b>Length of grant:</b> 1  <b>Year grant began:</b> 2013  <b>Sources of the grant:</b> State Government  <b>Partners:</b> James Madison University  <b>Technologies:</b> B100 - 100 percent Biodiesel, Biodiesel Blends  <b>Purpose:</b> Kitchen Waste Grease Hauler Survey</p> <p><i>A statewide survey to identify any person that transports waste kitchen grease in Virginia to a Virginia or neighbor-state biofuel production facility.</i></p>						
Virginia Department of Mines, Minerals and Energy	\$45,000	\$0	\$45,000	\$7,356	\$0	\$7,356
<p><b>Length of grant:</b> 1  <b>Year grant began:</b> 2013  <b>Sources of the grant:</b> State Government  <b>Partners:</b> James Madison University  <b>Technologies:</b> B100 - 100 percent Biodiesel, Electricity, Other  <b>Purpose:</b> Omnibus 7</p> <p><i>Omnibus 7 had several primary objectives, all focused on the advancement of alternative fuels in the Commonwealth of Virginia. These objectives include continuing to collect and provide information on alternative fuel vehicle fleets and fuel production, advancing incentives for biofuels and green diesel, providing technical support and assistance to coalition members and stakeholders, and advancing a collaborative electric vehicle readiness plan.</i></p>						

Grantor	Total Grant Amount	Total Matching Funds	Total Project Funding	Grant Amount Spent in 2013	Matching Funds Spent in 2013	Total Project Funding Spent in 2013
Virginia Department of Mines, Minerals and Energy	\$60,000	\$0	\$60,000	\$53,451	\$0	\$53,451
<p>Length of grant: 1  Year grant began: 2012  Sources of the grant: State Government  Partners: James Madison University  Technologies: B100 - 100 percent Biodiesel, Electricity, Other  Purpose: Omnibus 6</p> <p><i>Omnibus 6 had several primary objectives, all focused on the advancement of alternative fuels in the Commonwealth of Virginia. These objectives include continuing to collect and provide information on alternative fuel vehicle fleets and fuel production, advancing incentives for biofuels and green diesel, providing technical support and assistance to coalition members and stakeholders, and advancing a collaborative electric vehicle readiness plan.</i></p>						
<b>Total:</b>	<b>\$9,271,261</b>	<b>\$10,497,520</b>	<b>\$19,768,781</b>	<b>\$1,300,921</b>	<b>\$25,460</b>	<b>\$1,326,380</b>