

2013 Transportation Technology Deployment Report:

Capital District Clean Communities
(Albany)

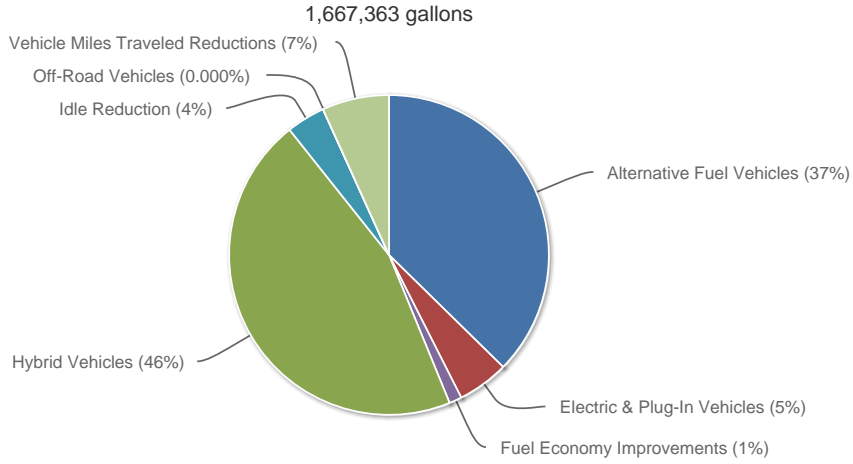
March 2014

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.

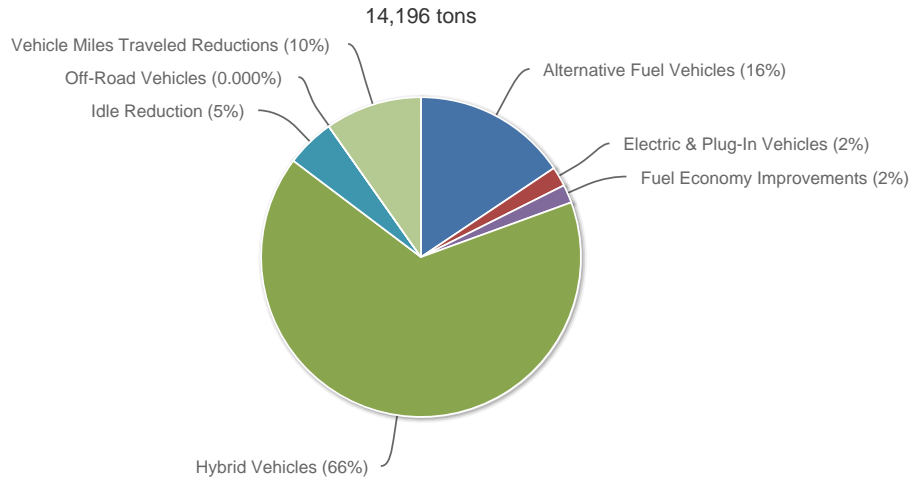
Every year, each Clean Cities coalition submits to DOE an annual report of its activities and accomplishments for the previous calendar year. Coalition coordinators, who lead the local coalitions, provide information and data via an online database managed by the National Renewable Energy Laboratory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

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

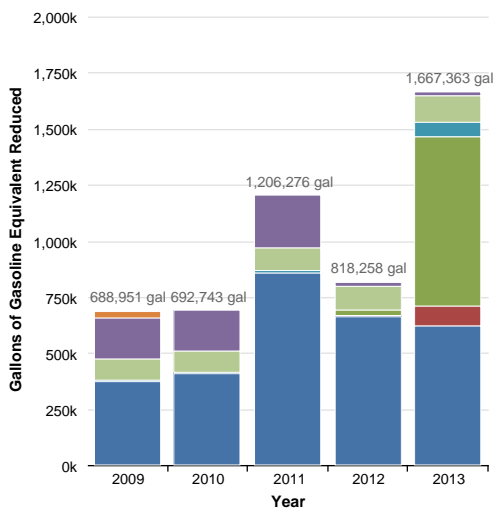
2013 Gallons of Gasoline Equivalent Reduced



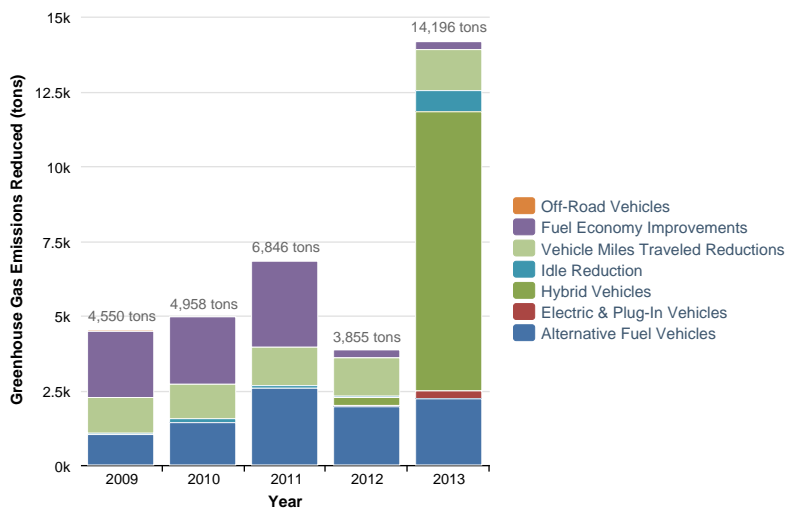
2013 Greenhouse Gas Emissions Reduced



Historical Gallons of Gasoline Equivalent Reduced

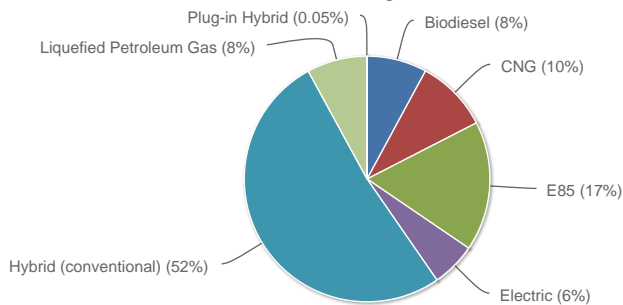


Historical Greenhouse Gas Emissions Reduced



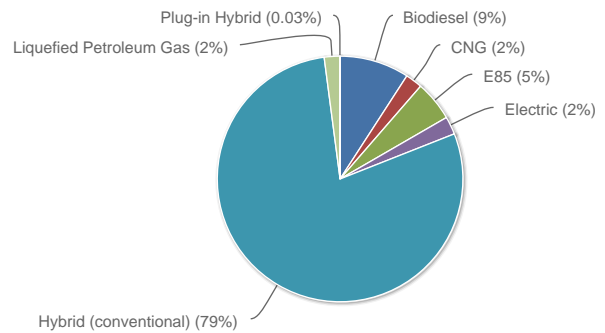
2013 Gallons of Gasoline Equivalent Reduced by Fuel Type for Alternative Fuel Projects

1,468,028 gallons



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

11,843 tons



COALITION

Capital District Clean Communities (Albany) - NY

<http://www.cdtcmpo.org/cdcc/cdcc.htm>

Designated: 04/26/1999

Boundaries: Counties: Albany, Columbia, Fulton, Greene, Montgomery, Otsego, Rensselaer, Saratoga, Schenectady, Schoharie, Warren, Washington; City of Albany

COORDINATORS

	Address	Telephone	Fax
Jennifer Ceponis	1 Park Pl Albany, NY 12205	518-458-2161	518-459-2155
Number of coordinators			1
Coordinator(s) hours per week on Clean Cities			20 hours
Other staff hours per week on Clean Cities			1 hours
How long have you been the coordinator?			12 years

OPERATING INFORMATION

Host organization Council of Governments (COG), Municipal Planning Organization (MPO), or Regional Planning Commission (RPC)

Stakeholders

Number of stakeholders	90
Number of private stakeholders	45
Does the State Energy Office provide any financial support to the coalition or stakeholders?	No
How would you rate the quality of the data on your survey?	Good
How do you obtain most of your data for the survey?	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?

No

2013 Outside Funding

Stakeholder dues collected	\$0
How much funding is obtained from other sources to cover coalition operating expenses?	\$63,317
Non-DOE or ARRA grant and matching funds spent in 2013	\$22,052
Total non-DOE or ARRA funding in 2013	\$85,369

VEHICLE & FUEL INVENTORY

Alternative Fuel & Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
AMERIGreen	Heavy-Duty	Biodiesel (10%)	2	139,404 gal	14,150 gal	129.7 tons
<p>Market: Corporate Fleet Vehicle type: Truck: Semi-trailer Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>This is a new biodiesel facility in the Capital Region. It serves heavy-duty vehicles and fuel companies. It is not open to the public.</i></p>						
Albany International Airport	Heavy-Duty	CNG	6	23,050 GGE	21,899 gal	41.2 tons
<p>Market: Airport Vehicle type: Bus: Shuttle Percentage from coalition: 100% National Clean Fleets Partnership: No</p>						
Albany International Airport	Light-Duty	CNG	3	1,285 GGE	1,221 gal	2.3 tons
<p>Market: Airport Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>The Airport uses three CNG Pick-up trucks for on-site maintenance.</i></p>						
Ballston Spa CSD	Heavy-Duty	LPG	6	20,000 gal	14,800 gal	30.9 tons
<p>Market: Government - Local Vehicle type: Bus: School Percentage from coalition: 100% National Clean Fleets Partnership: No</p>						
Casella Waste Management	Heavy-Duty	CNG	3	24,024 GGE	11,412 gal	21.5 tons
<p>Market: Corporate Fleet Vehicle type: Truck: Refuse Percentage from coalition: 50% National Clean Fleets Partnership: No</p> <p><i>Casella received 3 CNG refuse trucks through ARRA but they are not currently a member of the Coalition.</i></p>						
Center for Disability Services	Light-Duty	E85	13	5,000 gal	2,796 gal	7.0 tons
<p>Market: Corporate Fleet Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>This is an estimate based on limited information received.</i></p>						
Charlotte Valley CSD	Heavy-Duty	LPG	5	13,524 gal	7,005 gal	14.6 tons
<p>Market: Government - Local Vehicle type: Bus: School Percentage from coalition: 70% National Clean Fleets Partnership: No</p>						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Dormitory Authority of the State of New York (DASNY)	Light-Duty	E85	16	50% of time	1,437 gal	3.6 tons
Miles traveled per vehicle: 13,000 mi Average vehicle fuel economy: 34 MPG Market: Government - State Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No						
Gilboa-Conesville CSD	Heavy-Duty	LPG	3	7,438 gal	5,504 gal	11.5 tons
Market: Government - Local Vehicle type: Bus: School Percentage from coalition: 100% National Clean Fleets Partnership: No						
Hoosic Valley School District	Heavy-Duty	LPG	11	11,000 gal	8,140 gal	17.0 tons
Market: Government - Local Vehicle type: Bus: School Percentage from coalition: 100% National Clean Fleets Partnership: No						
John Ray Sons	Light-Duty	Biodiesel (10%)	344	344,230 gal	41,927 gal	406.2 tons
Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No <i>This is the only local fuel provider that offers bio-diesel at the pump and delivers bio-diesel to fleet customers. The number of vehicles using the bio-diesel is a guesstimate at best. Spoke with representative who did not have 2013 figures on-hand but felt comfortable using 2012 data as there has been no major change in business.</i>						
NYS Department of Transportation	Heavy-Duty	CNG	2	100% of time	2,397 gal	4.5 tons
Miles traveled per vehicle: 10,000 mi Average vehicle fuel economy: 6 MPGde Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 65% National Clean Fleets Partnership: No						
NYS Department of Transportation	Light-Duty	CNG	89	100% of time	25,150 gal	47.3 tons
Miles traveled per vehicle: 9,999 mi Average vehicle fuel economy: 23 MPGge Market: Government - State Vehicle type: Car Percentage from coalition: 65% National Clean Fleets Partnership: No						
NYS Office of General Services	Light-Duty	CNG	16	100% of time	5,330 gal	10.0 tons
Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 23 MPGge Market: Government - State Vehicle type: Car Percentage from coalition: 65% National Clean Fleets Partnership: No <i>This is based on limited data received from NYSOGS</i>						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
NYS Office of General Services	Light-Duty	E85	69	75% of time	14,612 gal	36.5 tons
<p>Miles traveled per vehicle: 11,788 mi Average vehicle fuel economy: 17 MPG Market: Government - State Vehicle type: Car Percentage from coalition: 65% National Clean Fleets Partnership: No This is based on limited data received from NYSOGS</p>						
NYS Office of General Services	Light-Duty	LPG	5	100% of time	1,977 gal	4.1 tons
<p>Miles traveled per vehicle: 10,951 mi Average vehicle fuel economy: 18 MPGe Market: Government - State Vehicle type: Pickup/SUV/Van Percentage from coalition: 65% National Clean Fleets Partnership: No This is based on limited data received from NYSOGS</p>						
NYS Office of Mental Health	Light-Duty	CNG	3	100% of time	50 gal	0.1 tons
<p>Miles traveled per vehicle: 1,265 mi Average vehicle fuel economy: 23 MPGe Market: Government - State Vehicle type: Pickup/SUV/Van Percentage from coalition: 30% National Clean Fleets Partnership: No NYS OMH provided a spreadsheet with VMT noted. This is the average VMT of the 3 vehicles that was reported. Awaiting 2013 data, will update when received.</p>						
NYS Office of Mental Health	Light-Duty	CNG	3	50% of time	101 gal	0.2 tons
<p>Miles traveled per vehicle: 5,170 mi Average vehicle fuel economy: 23 MPGe Market: Government - State Vehicle type: Pickup/SUV/Van Percentage from coalition: 30% National Clean Fleets Partnership: No NYS OMH provided a spreadsheet with VMT noted. This is the average VMT of the 3 vehicles that was reported. Awaiting 2013 data, will update when received.</p>						
NYS Office of Mental Health	Light-Duty	E85	40	85% of time	3,294 gal	8.2 tons
<p>Miles traveled per vehicle: 10,310 mi Average vehicle fuel economy: 20 MPG Market: Government - State Vehicle type: Car Percentage from coalition: 30% National Clean Fleets Partnership: No Awaiting 2013 data, will update when received.</p>						
NYS Office of Mental Health	Light-Duty	E85	19	85% of time	1,862 gal	4.7 tons
<p>Miles traveled per vehicle: 11,040 mi Average vehicle fuel economy: 18 MPG Market: Government - State Vehicle type: Pickup/SUV/Van Percentage from coalition: 30% National Clean Fleets Partnership: No Awaiting 2013 data, will update when received.</p>						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
NYS Office of People with Developmental Disabilities	Light-Duty	CNG	11	100% of time	1,703 gal	3.2 tons
<p>Miles traveled per vehicle: 16,000 mi Average vehicle fuel economy: 31 MPGge Market: Government - State Vehicle type: Car Percentage from coalition: 30% National Clean Fleets Partnership: No</p> <p><i>This is based on 2012 data, will update when new 2013 data is received.</i></p>						
NYS Office of People with Developmental Disabilities	Light-Duty	E85	93	70% of time	6,699 gal	16.7 tons
<p>Miles traveled per vehicle: 10,951 mi Average vehicle fuel economy: 20 MPG Market: Government - State Vehicle type: Pickup/SUV/Van Percentage from coalition: 30% National Clean Fleets Partnership: No</p> <p><i>This is based on 2012 data, will update when new data for 2013 is received.</i></p>						
NYS Office of People with Developmental Disabilities	Light-Duty	E85	25	70% of time	2,392 gal	6.0 tons
<p>Miles traveled per vehicle: 16,000 mi Average vehicle fuel economy: 22 MPG Market: Government - State Vehicle type: Car Percentage from coalition: 30% National Clean Fleets Partnership: No</p> <p><i>This is based on 2012 data, will update when 2013 data is received.</i></p>						
NYS Parks	Light-Duty	CNG	15	100% of time	2,812 gal	5.3 tons
<p>Miles traveled per vehicle: 10,000 mi Average vehicle fuel economy: 40 MPGge Market: Government - State Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No</p> <p><i>The NYS Department of Parks and Recreation uses CNG Civics in the parks that are located in the CDCC Coalition's area. NYS Parks is an active member of the coalition.</i></p>						
NYS Parks	Light-Duty	E85	15	8,235 gal	3,454 gal	8.6 tons
<p>Market: Government - State Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No</p> <p><i>NYS Parks is an active member of the coalition.</i></p>						
NYSDEC	Light-Duty	CNG	8	800 GGE	570 gal	1.1 tons
<p>Market: Government - State Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No</p> <p><i>These are estimates based on information received from NYSDEC</i></p>						
NYSDEC	Light-Duty	CNG	99	50% of time	30,934 gal	58.2 tons
<p>Miles traveled per vehicle: 9,999 mi Average vehicle fuel economy: 12 MPGge Market: Government - State Vehicle type: Pickup/SUV/Van Percentage from coalition: 75% National Clean Fleets Partnership: No</p> <p><i>These are bi-fuel CNG Econoline vans. Numbers are a guesstimate based on limited info received from DEC></i></p>						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
NYSDEC	Light-Duty	E85	250	10% of time	14,287 gal	35.7 tons
<p>Miles traveled per vehicle: 14,596 mi Average vehicle fuel economy: 12 MPG Market: Government - State Vehicle type: Pickup/SUV/Van Percentage from coalition: 75% National Clean Fleets Partnership: No</p>						
NYSDEC	Light-Duty	E85	34	10% of time	998 gal	2.5 tons
<p>Miles traveled per vehicle: 14,999 mi Average vehicle fuel economy: 24 MPG Market: Government - State Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No</p>						
National Grid	Heavy-Duty	Biodiesel (20%)	280	392,000 gal	59,682 gal	546.9 tons
<p>Market: Utility Vehicle type: Truck: No Trailer Percentage from coalition: 75% National Clean Fleets Partnership: No</p>						
National Grid	Heavy-Duty	CNG	2	504 GGE	359 gal	0.7 tons
<p>Market: Utility Vehicle type: Truck: No Trailer Percentage from coalition: 75% National Clean Fleets Partnership: No</p> <p><i>The trucks were purchased using ARRA funds. The coalition was 100% involved in this ARRA project.</i></p>						
National Grid	Light-Duty	CNG	43	22,625 GGE	16,121 gal	30.3 tons
<p>Market: Utility Vehicle type: Pickup/SUV/Van Percentage from coalition: 75% National Clean Fleets Partnership: No</p> <p><i>National Grid's CNG station was an ARRA project, Verizon is also fueling their 12 CNG vans there.</i></p>						
National Grid	Light-Duty	CNG	14	7,250 GGE	5,166 gal	9.7 tons
<p>Market: Utility Vehicle type: Pickup/SUV/Van Percentage from coalition: 75% National Clean Fleets Partnership: No</p> <p><i>These are medium duty cargo vans used by the utility. The vans were purchased using ARRA funds. The fuel use is an estimate based on quarterly data shared by NYSERDA</i></p>						
Premiere Limo	Light-Duty	LPG	11	33,560 gal	24,834 gal	51.8 tons
<p>Market: Airport Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>Premiere Limo has 9 sedans and two limos that are used to shuttle people from the Capital Region to JFK, LaGuardia and Newark airports.</i></p>						
Public E85 Stations	Light-Duty	E85	1,967	355,134 gal	198,626 gal	496.5 tons
<p>Market: General/Unknown Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>NYSERDA provided grant money to area stations to install E85 fueling infrastructure and to sell E85 at a discount. The E85 sales data is collected by NYSERDA and represents sales from the first half of 2013. The sales from the second half have really declined due to the increased cost of ethanol reducing the price differential between E85 and regular gasoline. With the 20% fuel economy penalty with E85, it's hasn't been economical to purchase E85 for parts of the second half of 2013. I will update when more complete data for the second half of 2013 is available.</i></p>						
RPI	Heavy-Duty	LPG	4	7,450 gal	5,513 gal	11.5 tons
<p>Market: Corporate Fleet 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
Ravena-Coeymans CSD Market: Government - Local Vehicle type: Bus: School Percentage from coalition: 100% National Clean Fleets Partnership: No	Heavy-Duty	LPG	11	35,000 gal	25,900 gal	54.1 tons
Saratoga/Heritage Propane Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No <i>This is a fuel provider, so the number of vehicles cannot be calculated. The stakeholder just reported thge number of GGE's of Propane that were sold in the region for vehicle fueling.</i>	Heavy-Duty	LPG	1	30,088 gal	22,265 gal	46.5 tons
University at Albany Market: Government - State Vehicle type: Pickup/SUV/Van Percentage from coalition: 75% National Clean Fleets Partnership: No	Light-Duty	CNG	2	100 GGE	71 gal	0.1 tons
University at Albany Market: Government - State Vehicle type: Pickup/SUV/Van Percentage from coalition: 75% National Clean Fleets Partnership: No <i>I know the fuel use data seems but this is the information the stakeholder provided.</i>	Light-Duty	E85	6	100 gal	42 gal	0.1 tons
University at Albany Market: Government - State Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No <i>The E85 use data looks off but these are the numbers the stakeholder provided to me.</i>	Light-Duty	E85	7	100 gal	42 gal	0.1 tons
Verizon Market: Corporate Fleet Vehicle type: Pickup/SUV/Van Percentage from coalition: 75% National Clean Fleets Partnership: Yes <i>Fuel use is estimate based on quarterly fuel use data reported to NYSERDA</i>	Light-Duty	CNG	12	21,386 GGE	15,238 gal	28.7 tons
Total:			3,568		622,776 gal	2,215 tons

Electric, Hybrid & Plug-in Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
CDTA Transit Fleet Average electric fuel economy: - kWh/100mi Average vehicle fuel economy: 5 MPG Miles traveled per vehicle per year: 60,000 mi Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No	Heavy-Duty	HEV	77	684,489 gal	8,431.3 tons
City of Albany Average vehicle fuel economy: 4 MPG Miles traveled per vehicle per year: 10,500 mi Market: Government - Local Vehicle type: Truck: Refuse Percentage from coalition: 100% National Clean Fleets Partnership: No <i>The City of Albany received ARRA funds to purchase a Peterbilt Kinetic Hydraulic Propulsion Sanitation Packer and International Forestry Log Loader</i>	Heavy-Duty	HEV	2	2,656 gal	32.7 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
City of Albany Average vehicle fuel economy: 32 MPG Miles traveled per vehicle per year: 13,500 mi Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No <i>The City of Albany received ARRA funds to purchase 5 Ford Escape hybrids</i>	Light-Duty	HEV	5	1,838 gal	22.6 tons
City of Albany Average vehicle fuel economy: 47 MPG Miles traveled per vehicle per year: 8,000 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No <i>The City of Albany received ARRA funds to purchase a Ford Fusion hybrid</i>	Light-Duty	HEV	1	176 gal	2.2 tons
Coca Cola Average vehicle fuel economy: 4 MPG Miles traveled per vehicle per year: 6,252 mi Market: Corporate Fleet Vehicle type: Truck: Semi-tailer Percentage from coalition: 100% National Clean Fleets Partnership: Yes <i>These were vehicles received through ARRA</i>	Heavy-Duty	HEV	2	1,153 gal	14.2 tons
East Greenbush Central School District Average vehicle fuel economy: 10 MPG Miles traveled per vehicle per year: 11,200 mi Market: Government - Local Vehicle type: Bus: School Percentage from coalition: 100% National Clean Fleets Partnership: No	Heavy-Duty	HEV	1	826 gal	10.2 tons
NYS Office of General Services Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 11,788 mi Market: Government - State Vehicle type: Car Percentage from coalition: 65% National Clean Fleets Partnership: No <i>This is based on limited data received from NYSOGS</i>	Light-Duty	Electric	4	1,858 gal	6.0 tons
NYS Office of General Services Average vehicle fuel economy: 50 MPG Miles traveled per vehicle per year: 11,788 mi Market: Government - State Vehicle type: Car Percentage from coalition: 30% National Clean Fleets Partnership: No <i>This is based on limited data received from NYSOGS</i>	Light-Duty	HEV	19	1,629 gal	20.1 tons
NYS Parks Average vehicle fuel economy: 25 MPG Miles traveled per vehicle per year: 10,000 mi Market: Government - State Vehicle type: Pickup/SUV/Van Percentage from coalition: 75% National Clean Fleets Partnership: No	Light-Duty	HEV	5	693 gal	8.5 tons
NYSDEC Electricity used: 100 kWh Market: Government - State Vehicle type: Low-Speed/Neighborhood Percentage from coalition: 75% National Clean Fleets Partnership: No	Light-Duty	Electric	50	12 gal	0.0 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
NYSDEC Average vehicle fuel economy: 50 MPG Miles traveled per vehicle per year: 9,999 mi Market: Government - State Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No	Light-Duty	HEV	76	13,274 gal	163.5 tons
NYSDEC Average vehicle fuel economy: 34 MPG Miles traveled per vehicle per year: 14,596 mi Market: Government - State Vehicle type: Pickup/SUV/Van Percentage from coalition: 75% National Clean Fleets Partnership: No	Light-Duty	HEV	150	47,731 gal	587.9 tons
NYSDEC Electricity used: 34 kWh Market: Government - State Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No	Light-Duty	PHEV	1	3 gal	0.0 tons
National Grid Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 11,000 mi Market: General/Unknown Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No <i>National Grid installed 27 EV chargers throughout the Capital Region in 2013. This use data is based on an estimate of use of all the chargers.</i>	Light-Duty	Electric	135	67,500 gal	219.2 tons
New York State Energy Research & Development Authority Average vehicle fuel economy: 47 MPG Miles traveled per vehicle per year: 10,614 mi Market: Government - State Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No	Light-Duty	PHEV	4	701 gal	4.0 tons
Price Chopper Grocery Stores / Golub Corp. Electricity used: 364 kWh Market: General/Unknown Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No	Light-Duty	Electric	25	52 gal	0.2 tons
RPI Electricity used: 2,500 kWh Market: Corporate Fleet Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No <i>This vehicle is used for campus parking enforcement</i>	Light-Duty	Electric	1	357 gal	1.2 tons
RPI Average electric fuel economy: - kWh/100mi 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>RPI installed this EV charger in 2013, it serves students, faculty and visitors as well as RPI's Mitsubishi miEV used for campus parking enforcement.</i>	Light-Duty	Electric	5	3,216 gal	10.4 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
SUNY Empire State College Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 10,614 mi Market: General/Unknown Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No <i>This is a new station installed by SUNY Empire in 2013.</i>	Light-Duty	Electric	10	4,825 gal	15.7 tons
SUNY Empire State College Average vehicle fuel economy: 34 MPG Miles traveled per vehicle per year: 19,999 mi Market: Government - State Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No	Light-Duty	HEV	3	1,489 gal	18.3 tons
Skidmore College Average electric fuel economy: - kWh/100mi 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	5	3,216 gal	10.4 tons
Skidmore College Average vehicle fuel economy: 31 MPG Miles traveled per vehicle per year: 22,000 mi Market: Corporate Fleet Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No	Light-Duty	HEV	1	506 gal	6.2 tons
University at Albany Average vehicle fuel economy: 8 MPG Miles traveled per vehicle per year: 12,000 mi Market: Government - State Vehicle type: Bus: School Percentage from coalition: 75% National Clean Fleets Partnership: No	Heavy-Duty	HEV	5	1,904 gal	23.5 tons
University at Albany Electricity used: 20 kWh Market: Government - State Vehicle type: Low-Speed/Neighborhood Percentage from coalition: 75% National Clean Fleets Partnership: No	Light-Duty	Electric	12	2 gal	0.0 tons
University at Albany Electricity used: 30 kWh Market: Government - State Vehicle type: Pickup/SUV/Van Percentage from coalition: 75% National Clean Fleets Partnership: No	Light-Duty	Electric	2	3 gal	0.0 tons
University at Albany Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 10,614 mi Market: General/Unknown Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No <i>The University at Albany installed 2 chargers in 2013 - 1 on their uptown campus and 1 on their downtown campus. They are used by students, faculty and visitors.</i>	Light-Duty	Electric	10	4,825 gal	15.7 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Unviersity at Albany	Light-Duty	HEV	4	316 gal	3.9 tons
Average vehicle fuel economy: 45 MPG Miles traveled per vehicle per year: 5,000 mi Market: Government - State Vehicle type: Car Percentage from coalition: 75% National Clean Fleets Partnership: No					
Total:			615	845,249 gal	9,628 tons

Off-Road Vehicles

Fleet Name	Application	Method	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
NYS Parks	Other	Alternative fuel or vehicles	Electric	22	2 gal	0.0 tons
Fuel used: 20 kWh Percentage from coalition: 75% National Clean Fleets Partnership: No <i>NEVs used in state parks in the Capital Region</i>						
University at Albany	Landscaping and lawn equipment	Alternative fuel or vehicles	Electric	12	2 gal	0.0 tons
Fuel used: 30 kWh Percentage from coalition: 75% National Clean Fleets Partnership: No						
Total:				34	4 gal	0 tons

FUEL ECONOMY

Fuel Economy Improvements

Fleet Name	Previous Fuel	Current Fuel	Number of Vehicles	Miles Traveled per Vehicle	GGE Reduced	GHG Reduced
Center for Disability Services	15 MPG	17 MPG	30	30,000 mi	7,059 gal	86.9 tons
Method: Vehicle - More efficient Vehicle class: Light-Duty Market: Corporate Fleet Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No						
Charlotte Valley School District	4 MPG	9 MPG	4	20,000 mi	12,294 gal	152.4 tons
Method: Other Vehicle class: Heavy-Duty Market: General/Unknown Vehicle type: Unknown/Other 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
RPI	8 MPG	13 MPG	2	20,000 mi	1,923 gal	23.7 tons
Method: Vehicle - Smaller Vehicle class: Light-Duty Market: Corporate Fleet Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Total:			36	70,000 mi	21,276 gal	263 tons

Vehicle Miles Traveled Reductions

Fleet Name	Method	Vehicle Class	GGE Reduced	GHG Reduced
Capital District Transportation Committee - carpooling	Carpooling	Light-Duty	1 gal	0.0 tons
Fuel: Gasoline Fuel economy: 30 MPG Number of vehicles: 2 VMT reduction per vehicle: 12 mi Percentage from coalition: 100% National Clean Fleets Partnership: No				
Capital District Transportation Committee - telecommute	Telecommute	Light-Duty	6 gal	0.1 tons
Fuel: Diesel Fuel economy: 40 MPG Number of vehicles: 1 VMT reduction per vehicle: 212 mi Percentage from coalition: 100% National Clean Fleets Partnership: No <i>1 employee telecommuted once a week January through June of 2013 - 10 miles round trip @ average of 40 mpg (Jetta Sportswagon TDI)</i>				
Capital District Transportation Committee - transit use	Mass transit	Light-Duty	2 gal	0.0 tons
Fuel: Gasoline Fuel economy: 28 MPG Number of vehicles: 3 VMT reduction per vehicle: 15 mi Percentage from coalition: 100% National Clean Fleets Partnership: No				
Regional Vanpool Project	Carpooling	Light-Duty	65 gal	0.8 tons
Fuel: Gasoline Fuel economy: 23 MPG Number of vehicles: 5 VMT reduction per vehicle: 300 mi Percentage from coalition: 100% National Clean Fleets Partnership: No <i>The vanpool project started as a pilot with subsidies provided to vanpool groups of 5 or more. By the end of 2013 there were 6 vanpool vehicles on the road daily. The data inputted is an estimate for 2013 based on what we know about the vanpools currently enrolled in the program.</i>				
SUNY Empire State College	Carpooling	Light-Duty	577 gal	7.1 tons
Fuel: Gasoline Fuel economy: 26 MPG Number of vehicles: 15 VMT reduction per vehicle: 1,000 mi Percentage from coalition: 100% National Clean Fleets Partnership: No				
University at Albany	Carpooling	Light-Duty	1,500 gal	18.5 tons
Fuel saved: 2,000 gallons Percentage from coalition: 75% National Clean Fleets Partnership: No				

Fleet Name	Method	Vehicle Class	GGE Reduced	GHG Reduced
University at Albany	Car sharing (e.g., Zipcar)	Light-Duty	4,125 gal	50.8 tons
Fuel saved: 5,500 gallons Percentage from coalition: 75% National Clean Fleets Partnership: No <i>The University at Albany uses Hertz 24/7 Car Share service. There are currently 900 members, although not all are active. Hours and mileage on each vehicle vary. These are estimates based on member data received.</i>				
University at Albany Bike Share	Non-motorized locomotion (e.g., bicycles)	Light-Duty	112 gal	1.4 tons
Fuel saved: 150 gallons Percentage from coalition: 75% National Clean Fleets Partnership: No <i>In 2013 there were about 800 sign outs of the 30 bikes in rotation.</i>				
iPool2	Carpooling	Light-Duty	106,382 gal	1,310.4 tons
Fuel saved: 106,382 gallons Percentage from coalition: 100% National Clean Fleets Partnership: No <i>This is an online commuter information website, promoted by Capital Moves, that encourages people to create accounts to find others to carpool with. In 2013 iPool2 merged with iPool2 North.</i>				
Total:			112,770 gal	1,389 tons

IDLE REDUCTION

Truck Stop Electrification

Project Name	Number of Bays	Usage per Bay	GGE Reduced	GHG Reduced
I-87 Exit 21B Travel Plaza	24	2,400 hrs/year	63,733 gal	681.2 tons
Percentage from coalition: 100% National Clean Fleets Partnership: No <i>This project was installed in 2013</i>				
Total:		24	63,733 gal	681 tons

Onboard Idle Reduction

Fleet Name	Number of Vehicles	Equipment Usage per Vehicle	Fuel Saved per Vehicle	GGE Reduced	GHG Reduced
Brown Coach	36	60 hrs/year	0 gal/hr	956 gal	11.8 tons
Equipment: Direct-fire heater Percentage from coalition: 100% National Clean Fleets Partnership: No					
Total:		36		956 gal	12 tons

Other Idle Reduction

Project Name	Number of Vehicles	Idling Reduced per Vehicle	Fuel Saved per Vehicle	GGE Reduced	GHG Reduced
Charlotte Valley School District	9	20 mins/day 200 days/year	1 gal/hr	600 gal	7.4 tons
Type of project: Policies Type of vehicle: School Bus Percentage from coalition: 100% National Clean Fleets Partnership: No					
Total:		9		600 gal	7 tons

FUEL STATIONS

New Stations

Fuel	Public Stations	Private Stations
Biodiesel	-	1
CNG - Compressed Natural Gas	-	-
E85 - 85% Ethanol	-	-
Electric Chargers	42	-
Hydrogen	-	-
LNG - Liquefied Natural Gas	-	-
LPG - Liquefied Petroleum Gas	-	-
Total:	42	1

OUTREACH ACTIVITIES

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Facebook/Twitter	01/01/2013	Social Media	100%	200
<p>Technology: Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction Audience: Airport, Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste, Other Clean Cities 20th Anniversary Event: No</p> <p><i>The Coalition maintains Facebook and Twitter pages which are updated with relevant news and articles daily.</i></p>				
Coalition Quarterly Meeting	03/21/2013, 09/19/2013, 12/19/2013	Meeting - Stakeholder	100%	30
<p>Technology: Alternative fuel vehicles, Fuel blends, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction Audience: Airport, Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste, Other Clean Cities 20th Anniversary Event: No</p> <p><i>Attendance varied throughout the year with an average of about 30 people.</i></p>				
Freight & Fuels Conference	04/24/2013	Conference participation	100%	100
<p>Technology: Alternative fuel vehicles, Hybrid electric vehicles, Idle reduction Audience: Airport, Delivery, General Public, Government, Private Fleets, Transit, Waste Clean Cities 20th Anniversary Event: No</p> <p><i>Clean Cities worked with the MPO to host the Freight & Fuels conference at the Albany International Airport. There were vendors and a variety of presenters, including a keynote speaker from the Port Authority of NY and New Jersey who spoke about how the expansion of the Panama Canal would impact ports on the East Coast, particularly NYC and Albany, NY.</i></p>				
Price Chopper EV Charger Ribbon Cutting	04/25/2013	Media Event	25%	25
<p>Technology: Hybrid electric vehicles Audience: General Public, Government, Private Fleets Clean Cities 20th Anniversary Event: No</p> <p><i>The Coalition attended a ribbon cutting for one of their newer stakeholders, Price Chopper supermarkets.</i></p>				
Compressed Natural Gas 101	05/10/2013	Workshop held by coalition	100%	20
<p>Technology: Alternative fuel vehicles Audience: Delivery, Government, Private Fleets, Utility Clean Cities 20th Anniversary Event: No</p> <p><i>The Coalition hosted a day-long workshop at Crossgates Mall with Stephe Yborra on the basics of CNG.</i></p>				

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Green Your Commute Day	05/17/2013	Literature Distribution	50%	200
<p>Technology: Alternative fuel vehicles, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction Audience: General Public, Government, Transit Clean Cities 20th Anniversary Event: No</p> <p><i>The Coalition was part of the planning for Green Your Commute Day, an event in a public park in downtown Albany that demonstrated several ways downtown employees could "green their commute," including an EV display, anti-idling materials, bicycling, walking, transit, ridesharing, etc. The Coalition also had a booth at the event.</i></p>				
AMERIGreen Biodiesel Blender Facility Ribbon Cutting	05/28/2013	Media Event	25%	20
<p>Technology: Alternative fuel vehicles, Fuel blends Audience: Delivery, Government, Private Fleets Clean Cities 20th Anniversary Event: No</p> <p><i>The Coalition was invited to the press event/ribbon cutting for AMERIGreen's new biodiesel blending facility.</i></p>				
CNG - ROI & Building Modifications Workshop	06/11/2013	Workshop held by coalition	100%	20
<p>Technology: Alternative fuel vehicles Audience: Airport, Delivery, Government, Private Fleets, Utility Clean Cities 20th Anniversary Event: No</p> <p><i>The Coalition hosted a workshop as a follow up to the June CNG 101 workshop on return on investment and building modifications for fleets interested in switching to CNG.</i></p>				
EVSE for Installers	06/19/2013	Workshop held by coalition	75%	35
<p>Technology: Hybrid electric vehicles Audience: Delivery, General Public, Government, Private Fleets Clean Cities 20th Anniversary Event: No</p> <p><i>The Coalition worked with NYSERDA to hold a workshop for electricians and installers of electric vehicle supply equipment.</i></p>				
EVSE for Planners & Zoning Board Officials	06/20/2013	Conference participation	50%	40
<p>Technology: Hybrid electric vehicles Audience: Government Clean Cities 20th Anniversary Event: No</p> <p><i>The Coalition was invited to the Capital District Regional Planning Commission's Land Use & Zoning Conference to present on EVSE installation and what planners and zoning board officials should know/be aware of.</i></p>				
Capital Region EV Group National Plug-In Day Event	09/29/2013	Literature Distribution	25%	150
<p>Technology: Hybrid electric vehicles Audience: General Public, Private Fleets Clean Cities 20th Anniversary Event: No</p> <p><i>The Coalition was invited to distribute EV materials at the Plug-In Day Event.</i></p>				
NYSERDA EV Truck Voucher Workshop	10/03/2013	Workshop held by coalition	100%	10
<p>Technology: Alternative fuel vehicles, Hybrid electric vehicles Audience: Government, Private Fleets Clean Cities 20th Anniversary Event: No</p> <p><i>Frito Lay kindly hosted the Coalition at their facility in Clifton Park where they just installed 7 EV chargers and purchased 7 EV trucks. A representative from CALSTART and NYSERDA were both present to explain the Truck Voucher program and the application process.</i></p>				
Jewish Federation of Northeastern New York Walk for Water	10/06/2013	Literature Distribution	25%	100
<p>Technology: Alternative fuel vehicles, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction Audience: General Public Clean Cities 20th Anniversary Event: No</p> <p><i>The Coalition was asked to have a booth at the Walk for Water event that focused on sustainability and educating people on sustainability.</i></p>				

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Capital District Clean Communities Website	10/09/2013	Website	100%	250
<p>Technology: Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction Audience: Airport, Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste, Other Clean Cities 20th Anniversary Event: No</p> <p><i>The Coalition launched a completely redesigned website in Fall 2013: www.capitalcleancommunities.org The Coalition will continue to update and maintain the website.</i></p>				
Green Drinks Albany EV Event	10/22/2013	Literature Distribution	25%	30
<p>Technology: Hybrid electric vehicles Audience: General Public, Government, Private Fleets Clean Cities 20th Anniversary Event: No</p> <p><i>As a frequent attendee of Green Drinks Albany, the Coalition was asked to provide EV materials at their EV event. There were several PEVs displayed and demo'd in the parking lot of the restaurant.</i></p>				
Mail Chimp	12/02/2013	Social Media	100%	90
<p>Technology: Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction Audience: Airport, Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste, Other Clean Cities 20th Anniversary Event: No</p> <p><i>The Coalition began using MailChimp to communicate with stakeholders/members.</i></p>				
Total:				1,320

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
NYSERDA - ARRA	\$16,266	-	\$16,266	\$14,925	\$0	\$14,925
<p>Length of grant: 5 Year grant began: 2013 Sources of the grant: Department of Energy, American Recovery and Reinvestment Act Partners: Albany International Airport, Ballston Spa CSD, Charlotte Valley CSD, City of Albany, Coca Cola, East Greenbush CSD, Gilboa-Conesville CSD, Hoosick Valley CSD, NYSDEC, NYSDOS, National Grid, SUNY Albany, Verizon Technologies: CNG - Compressed Natural Gas, E85 - 85 percent Ethanol, Electricity, Fuel Economy Improvements, LPG - Liquefied Petroleum Gas, Other Purpose: To increase the number of Alternative Fueled Vehicles in Fleets and to stimulate the economy</p> <p><i>The project partners collectively purchased 71 AFVs, installed 1 Public CNG station and 4 private Propane Fueling Site. In 2012 CDCC entered into a contract with Zone 5 to redesign the CDCC website with the remaining ARRA funds. The new website is expected to be launched in the Fall of 2013.</i></p>						
NYSERDA - CNG	\$12,052	-	\$12,052	\$12,052	\$0	\$12,052
<p>Length of grant: 1 Year grant began: 2013 Sources of the grant: State Government Technologies: CNG - Compressed Natural Gas Purpose: To provide education on CNG to fleets</p> <p><i>The Coalition worked with NYSERDA to plan and coordinate a 2-part workshop series on CNG - 1. CNG 101 and 2. CNG Return on Investment & Building Modifications. The Coalition reached out to over 50 fleets to invite them to the separate workshops.</i></p>						
NYSERDA - EVSE	\$10,000	-	\$10,000	\$10,000	\$0	\$10,000
<p>Length of grant: 1 Year grant began: 2013 Sources of the grant: State Government Technologies: Electricity Purpose: To educate installers, planners & town board officials on the basics of installing EVSE</p> <p><i>The Coalition work with NYSERDA to host and present at 2 workshops - the first for installers and electricians and then a separate workshop for planners and zoning board officials. The Coalition presented on existing EVSE in the region and EVSE host experience.</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
NYSERDA - TCI	\$25,000	-	\$25,000	\$25,000	\$0	\$25,000
<p>Length of grant: 2 Year grant began: 2011 Sources of the grant: Department of Energy Technologies: Electricity Purpose: Northeast Electric Vehicle Planning Study</p> <p><i>The Northeast EV Study was a collaborative effort between the Georgetown Transportation and Climate Initiative and 16 Clean Cities Coordinators from 11 Northeast/Mid-Atlantic states and the District of Columbia. The study looked at obstacles and opportunities to widespread deployment of EVs in the Northeast and developed several guidance and outreach documents for utilities, local governments, and developers on how to promote EV/EVSE.</i></p>						
Total:	\$63,318	\$0	\$63,318	\$61,977	\$0	\$61,977