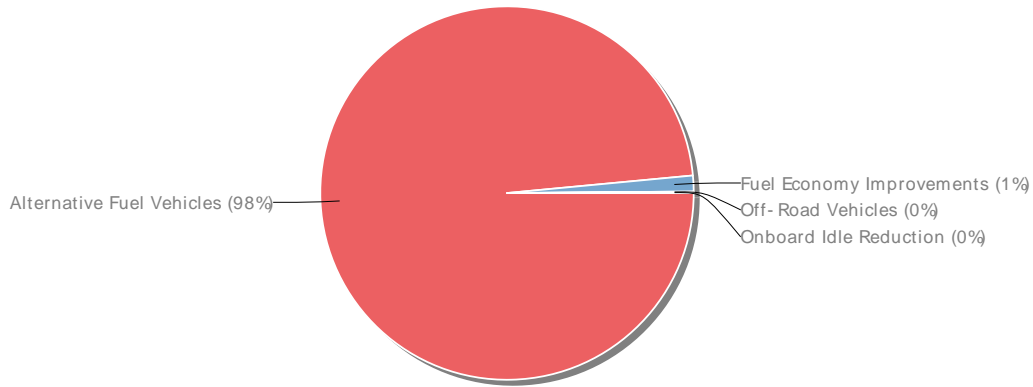


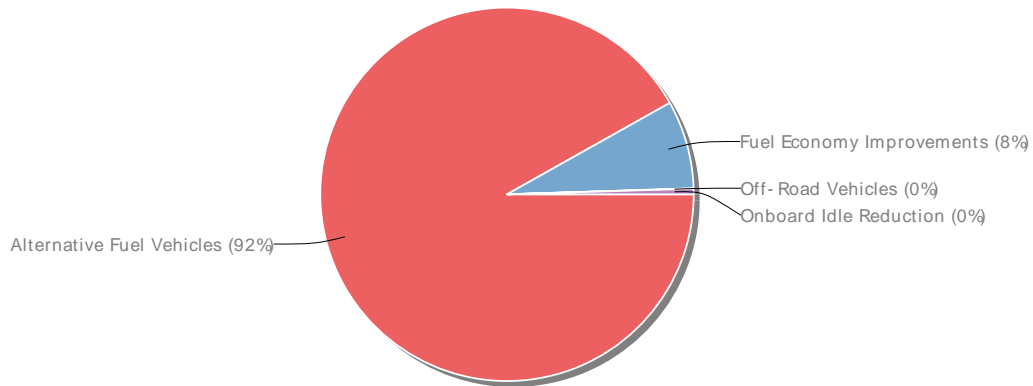
### Gallons of Gasoline Equivalent Reduced

5,069,937 gallons



### Greenhouse Gas Emissions Reduced

11,209 tons



## COALITION

### Massachusetts Clean Cities - MA

<http://www.mass.gov/energy/cleancities>

**Designated:** 03/18/1994

**Boundaries:** Entire state of Massachusetts

## COORDINATORS

	Address	Telephone	Fax
<b>Mike Manning</b>	C-6 Shipway Place Boston, MA 02129	617-242-8755, X14	617-242-0814
<b>Stephen Russell</b>	100 Cambridge St., Suite 1020 Boston, MA 02114	617-626-7325 or 617-797-5224 (cell)	617-727-0030

## OPERATING INFORMATION

Coordinator(s) hours per week on Clean Cities	35 hours
How long have you been the coordinator?	1 years
Total dues collected	\$0
How much funding is obtained from other sources to cover coalition operating expenses?	\$100,000

### Stakeholders

Number of stakeholders	245
Number of private stakeholders	126
Does the State Energy Office provide any financial support to the coalition or stakeholders?	Yes
Explain State Energy Office's support	
Salary, office, and administrative support	
How would you rate the quality of the data on your survey?	Good
How do you obtain most of your data for the survey?	Coalition records, Paper or electronic surveys to stakeholders, Survey stakeholders by phone
Has your coalition registered with <a href="http://www.grants.gov">www.grants.gov</a> ?	Yes

## GENERAL

### Outreach Activities

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Stakeholder MTG / Nissan MOU signin <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> General Fleets, Government, Public, Transit <i>This event was held at the museum of Science that had the Secretary of Energy for Mass held a signing of the Nissan MOU and it was open to stakeholders and the general public and the Nissan Leaf was on display . It was a media event for the Stae of Mass and Clean Cities.</i>	02/10/2010	Meeting - Stakeholder	100%	200
Stakeholder meeting /EV info mtg <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> Delivery, General Fleets, Government, Public, Transit, Utility <i>This was the first EV stakeholder meeting for Clean Cities, We heard from an EVSE vendor,Nissan ,the utilities and electricians to start the EV movement in Massachusetts. This meeting set the initial path for EV's in Massachusetts</i>	04/14/2010	Meeting - Stakeholder	75%	39
Stakeholder meeting - Biofuels <b>Technology:</b> Fuel blends <b>Audience:</b> Airport, Delivery, General Fleets, Government, Public, Transit, Waste <i>This meeting had presentations on Biodiesel made from waste, the latest on biodiesel from Algae and also the latest on Ethanol distribution in Massachusetts.</i>	06/10/2010	Meeting - Stakeholder	100%	32
Stakeholder mtg/EVSE,zipcar,no idle <b>Technology:</b> Alternative fuel vehicles, Fuel economy improvements, Idle reduction, Vehicle miles traveled reduction <b>Audience:</b> Airport, Delivery, General Fleets, Government, Public, Transit, Utility, Waste <i>This meeting was held at a Stakeholder's facility GE to provide information on the new EVSE GE was releasing to the public, the meeting also had speakers about antisdlng technology as well and Zipcar technology that is available to fleets for car sharing.</i>	08/11/2010	Meeting - Stakeholder	100%	42
EV stakeholder meeting <b>Technology:</b> Alternative fuel vehicles, Hybrid electric vehicles <b>Audience:</b> Airport, Delivery, General Fleets, Government, Public, Transit <i>This was a meeting focused on Ekectric vehicles covering Vehicles/charging stations/ Funding availability as well as University research in the Energy renewables arena. This was a great way to kick off Ev's to not only the public but also fleets and the CC stakeholders . The Nissan leaf was available to test drive.</i>	10/06/2010	Meeting - Stakeholder	100%	206

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
EPact fueling workshop <b>Technology:</b> Alternative fuel vehicles, Fuel blends, Fuel economy improvements <b>Audience:</b> Government, Public, Transit <i>This meeting reviewed the federal mandates for alternative fuels and machn fleets with fuel vendors held at Umass Boston it was a good event</i>	10/14/2010	Meeting - Stakeholder	75%	32
Stakeholder meeting / idle reductio <b>Technology:</b> Idle reduction <b>Audience:</b> Airport, Delivery, General Fleets, Government, Public, Transit, Utility, Waste <i>This meeting covered the the State law around antiidling as well as products for the fleet industry to reduce idling.</i>	12/09/2010	Meeting - Stakeholder	100%	38
Compleing Case for NGV's <b>Technology:</b> Alternative fuel vehicles, Fuel economy improvements <b>Audience:</b> Airport, General Fleets, Government, Transit, Utility, Waste <i>This was an educational session put on by NGV America in near Worcester Mass which drew a divese crowd from all parts of Mass. and Conn.</i>	09/01/2010	Advancing the Choice	75%	42
Newton Enviornmental fair <b>Technology:</b> Alternative fuel vehicles, Hybrid electric vehicles <b>Audience:</b> <i>Participated in the Newton enviornmental days set up table and talked about Ev's and other alternative fuels. several hundred people came through the fair.</i>	09/11/2010	Meeting - Other	100%	100
Fleet Contact MBTA <b>Technology:</b> Fuel blends <b>Audience:</b> Government <i>Met with MBTA fleet folks to discuss use of Biodiesel in the bus fleet - Pilot for B 5 will happen in sspring of 2011</i>	09/08/2010	Meeting - Other	100%	6
Fleet contact DOT <b>Technology:</b> Alternative fuel vehicles, Fuel blends, Hybrid electric vehicles <b>Audience:</b> Government <i>Met with DOT sustainable person and discussed Hybrids and the Green DOT iniative and how they are embracing Clean Cities for information to green their fleet.</i>	10/12/2010	Meeting - Other	100%	2
Fleet Contact - Framingham Mass <b>Technology:</b> Fuel blends <b>Audience:</b> Government <i>Continue to meet with fleet manager of this large Mass Town to convince him that b-5 is okay . this fleet hadf a few issues with the fuel a few years ago and abandoned the use of biofuels .I continue to work on bringing him back into the fold.</i>	10/20/2010	Meeting - Other	100%	100
Fleet contact - Staples <b>Technology:</b> Fuel economy improvements <b>Audience:</b> General Fleets <i>Met with Mike Payette about 60 MPH cap for his fleet vehicles. 1 fleet contact</i>	04/05/2010	Meeting - Other	100%	1
Carbon Day Fair - Boston <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> Public <i>Electric vehicle display on Boston's Copley Plaza - Set up table and displayed information about alternative fuels Highlighting EV's made Clean Cities literature available</i>	05/20/2010	Meeting - Other	50%	100

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Env. League of Mass	04/04/2010	Meeting - Other	100%	200
<b>Technology:</b> Alternative fuel vehicles, Fuel blends, Hybrid electric vehicles <b>Audience:</b> Public <i>Did a table display at the Enviornmental league of Massachusetts annual fundraised along with several other enviornmental booths . Clean Cities was the only vehicle and fuel reduction table.</i>				
<b>Total:</b>				<b>1,140</b>

## Grants

Grantor	Total Grant Amount	Total Matching Funds	Total Project Funding	Grant Amount Spent in 2010	Matching Funds Spent in 2010	Total Project Funding Spent in 2010
AEP/air quality mitigation fines	\$384,000.00	\$10,000.00	\$394,000.00	\$192,000.00	\$5,000.00	\$197,000.00
<b>Length of grant:</b> 2 <b>Year grant began:</b> 2010 <b>Partners:</b> Executive office of Energy <b>Technologies:</b> Electricity <b>Purpose:</b> Electric vehicle infrastructure pilot for Cities and Towns in Massachusetts. <i>These dolars are a result of the State suing the large utilities in the central U.S. burning coal creating an air quality issue in MASS.</i>						
<b>Total:</b>	<b>\$384,000.00</b>	<b>\$10,000.00</b>	<b>\$394,000.00</b>	<b>\$192,000.00</b>	<b>\$5,000.00</b>	<b>\$197,000.00</b>

## FUEL STATIONS

### New Stations

Fuel	Public Stations	Private Stations
Biodiesel	0	0
CNG - Compressed Natural Gas	0	0
E85 - 85% Ethanol	0	0
Electricity	0	0
Hydrogen	0	0
LNG - Liquefied Natural Gas	0	0
LPG - Liquefied Petroleum Gas	0	0
<b>Total:</b>	<b>0</b>	<b>0</b>

## VEHICLE & FUEL INVENTORY

### Alternative Fuel & Vehicles

Fleet Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Cape Cod regional Transit	Heavy-Duty	Biodiesel (20%)	-	148,000 gal	30,044 gal	275.3 tons
<b>Miles traveled per vehicle:</b> 35,734 mi <b>Market:</b> Government - State <b>Vehicle type:</b> Bus: Shuttle <b>Percentage from coalition:</b> 100%						
City of Boston Fleet B-5	Heavy-Duty	Biodiesel (5%)	-	798,650 gal	40,531 gal	371.4 tons
<b>Miles traveled per vehicle:</b> 23,814 mi <b>Market:</b> Government - Local <b>Vehicle type:</b> Unknown/Other <b>Percentage from coalition:</b> 100%						

Fleet Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Courtyard by Marriot Miles traveled per vehicle: 22,724 mi Market: Corporate Fleet Vehicle type: Bus: Shuttle Percentage from coalition: 100%	Heavy-Duty	CNG	4	20,000 GGE	19,001 gal	35.7 tons
Lowell RTA Miles traveled per vehicle: 35,734 mi Market: Government - State Vehicle type: Bus: Transit Percentage from coalition: 100%	Heavy-Duty	CNG	10	24,000 GGE	22,801 gal	42.9 tons
Mass port Authority Miles traveled per vehicle: 22,724 mi Market: Government - State Vehicle type: Bus: Shuttle Percentage from coalition: 100%	Heavy-Duty	CNG	46	102,000 GGE	96,906 gal	182.3 tons
Massachusetts State Fleet-B10 Miles traveled per vehicle: 23,814 mi Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 100%	Heavy-Duty	Biodiesel (10%)	-	4,483 gal	455 gal	4.2 tons
Massachusetts State fleet B-20 Miles traveled per vehicle: 23,814 mi Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 100%	Heavy-Duty	Biodiesel (20%)	-	55,578 gal	11,282 gal	103.4 tons
Massachusetts State fleet B-5 Miles traveled per vehicle: 23,814 mi Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 100%	Heavy-Duty	Biodiesel (5%)	-	817,269 gal	41,476 gal	380.1 tons
State of Mass MBTA Miles traveled per vehicle: 23,814 mi Market: Government - State Vehicle type: Bus: Transit Percentage from coalition: 100%	Heavy-Duty	CNG	320	4,952,646 GGE	4,705,301 gal	8,851.4 tons
Steamship Authority Miles traveled per vehicle: 22,724 mi Market: Government - State Vehicle type: Bus: Shuttle Percentage from coalition: 100%	Heavy-Duty	CNG	5	25,500 GGE	24,226 gal	45.6 tons

Fleet Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Transaction associates	Light-Duty	CNG	1	1,956 GGE	1,858 gal	3.5 tons
Miles traveled per vehicle: 10,951 mi Market: Corporate Fleet Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% <i>This vehicle replaced a gasoline van or equivalent size</i>						
<b>Total:</b>			<b>386</b>		<b>4,993,884 gal</b>	<b>10,296 tons</b>

## Off-Road Vehicles

Fleet Name	Application	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
MASS Port	Other	CNG	-	2,280 gal	4.3 tons
Fuel used: 2,400 GGE Percentage from coalition: 100% <i>airport equipment that moves planes around(tugs)</i>					
<b>Total:</b>			<b>0</b>	<b>2,280 gal</b>	<b>4 tons</b>

## FUEL ECONOMY

### Fuel Economy Improvements

Fleet Name	Date	Previous Fuel	Current Fuel	Number of Vehicles	Miles Traveled per Vehicle	GGE Reduced	GHG Reduced
Sate of Massachusetts	01/01/2010	22 mpg Gasoline	42 mpg Gasoline	255	16,000 mi	66,234 gal	815.8 tons
Method: Hybrid electric vehicle Vehicle class: Light-Duty Percentage from coalition: 75%							
Brauns express	04/01/2010	5 mpg Diesel	7 mpg Diesel	1	23,464 mi	966 gal	11.9 tons
Method: Hybrid electric vehicle Vehicle class: Heavy-Duty Percentage from coalition: 75%							
Diesel Direct	08/01/2010	6 mpg Diesel	8 mpg Diesel	1	19,699 mi	757 gal	9.3 tons
Method: Hybrid electric vehicle Vehicle class: Heavy-Duty Percentage from coalition: 75%							
High Output	09/01/2010	5 mpg Diesel	6 mpg Diesel	1	35,000 mi	1,499 gal	18.5 tons
Method: Hybrid electric vehicle Vehicle class: Heavy-Duty Percentage from coalition: 100%							
<b>Total:</b>				<b>258</b>	<b>94,163 mi</b>	<b>69,456 gal</b>	<b>856 tons</b>

## IDLE REDUCTION

### Onboard Idle Reduction

Fleet Name	Date	Number of Vehicles	Equipment Usage per Vehicle	Fuel Saved per Vehicle	GGE Reduced	GHG Reduced
Brauns express	01/01/2010	26	1,830 hrs/year	1 gal/hr	4,317 gal	53.2 tons
Equipment: Auxiliary power unit (APU) Percentage from coalition: 10%						
<b>Total:</b>		<b>26</b>			<b>4,317 gal</b>	<b>53 tons</b>