

2014 Transportation Technology Deployment Report:

Long Beach Clean Cities

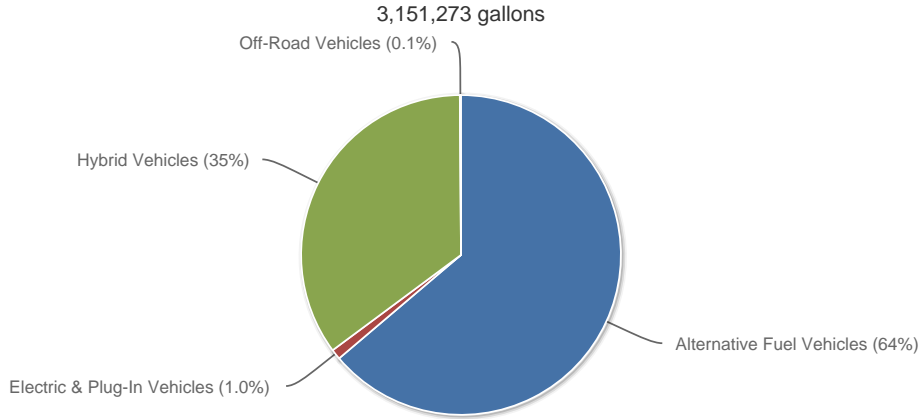
March 2015

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.

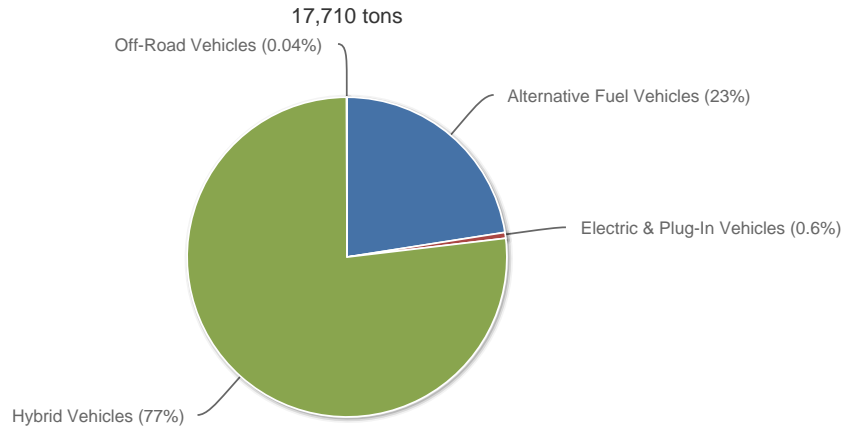
Every year, each Clean Cities coalition submits to DOE an annual report of its activities and accomplishments for the previous calendar year. Coalition coordinators, who lead the local coalitions, provide information and data via an online database managed by the National Renewable Energy Laboratory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

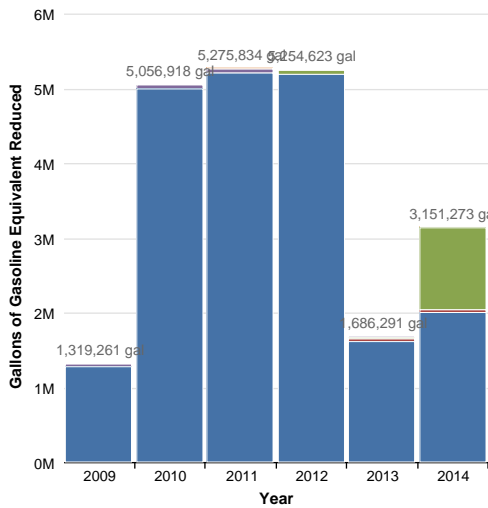
2014 Gallons of Gasoline Equivalent Reduced



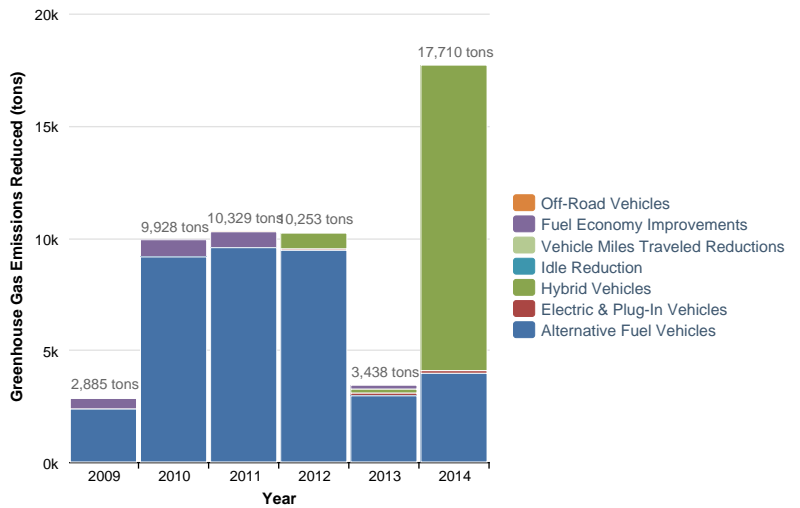
2014 Greenhouse Gas Emissions Reduced



Historical Gallons of Gasoline Equivalent Reduced

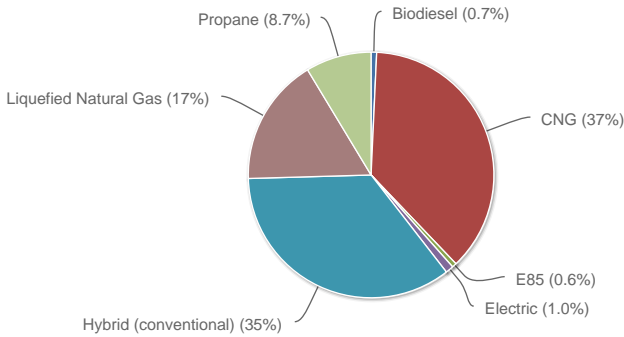


Historical Greenhouse Gas Emissions Reduced



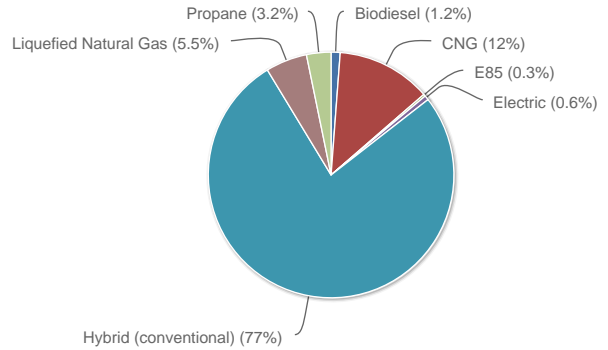
2014 Gallons of Gasoline Equivalent Reduced by Fuel Type for Alternative Fuel Projects

3,151,273 gallons



2014 Greenhouse Gas Emissions Reduced by Fuel Type for Alternative Fuel Projects

17,710 tons



COALITION

Long Beach Clean Cities - CA

Designated: 08/31/1994

Boundaries: City of Long Beach and surrounding area within Los Angeles County

COORDINATORS

	Address	Telephone	Fax
Jannet Malig	Cerritos College 11111 New Falcon Way Cerritos, CA 90703	562-860-2451 x2912	
Dean Tedtaotao	2275 Alcazar St Los Angeles, CA 90033	626-458-1711	

Number of coordinators	2
Coordinator(s) hours per week on Clean Cities	20 hours
Other staff hours per week on Clean Cities	25 hours
How long have you been the coordinator?	1 years

OPERATING INFORMATION

Host organization	Nonprofit - Standalone
Stakeholders	
Number of stakeholders	20
Number of private stakeholders	15
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), Phone calls to stakeholders
Has your coalition registered with www.grants.gov?	No
2014 Outside Funding	
Stakeholder dues collected	\$0

How much funding is obtained from other sources to cover coalition operating expenses?	\$0
Non-DOE or ARRA grant and matching funds spent in 2014	\$0
Total non-DOE or ARRA funding in 2014	\$0

VEHICLE & FUEL INVENTORY

Alternative Fuel & Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
City of Beverly Hills	Heavy-Duty	Biodiesel (20%)	35	75% of time	23,056 gal	211.3 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> <p><i>City of Beverly Hills</i> <i>Has 35 bio diesel heavy duty trucks</i></p>						
City of Beverly Hills	Heavy-Duty	CNG	12	100% of time	55,323 gal	104.1 tons
<p>Miles traveled per vehicle: 25,000 mi Average vehicle fuel economy: 6 MPGde Market: Government - Local Vehicle type: Truck: Refuse Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>City of Beverly Hills</i> <i>12 heavy duty CNG</i></p>						
City of Beverly Hills	Heavy-Duty	E85	2	25% of time	1,185 gal	3.0 tons
<p>Miles traveled per vehicle: 23,814 mi Average vehicle fuel economy: 6 MPG Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>City of Beverly Hills</i> <i>Has 2 E85 Flex fuel heavy duty vehicle</i></p>						
City of Beverly Hills	Light-Duty	CNG	1	100% of time	531 gal	1.0 tons
<p>Miles traveled per vehicle: 10,614 mi Average vehicle fuel economy: 20 MPGge Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>City of Beverly Hills</i> <i>Has 1 CNG sedan</i></p>						
City of Beverly Hills	Light-Duty	E85	50	25% of time	5,280 gal	13.2 tons
<p>Miles traveled per vehicle: 10,614 mi Average vehicle fuel economy: 15 MPG Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>City of Beverly Hills</i> <i>Has 50 light duty E85 flex fuel vehicles</i></p>						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
City of Long Beach - City Manager Departments Fleet	Heavy-Duty	LNG	14	70,008 gal	43,898 gal	80.3 tons
<p>Market: Government - Local Vehicle type: Truck: No Trailer Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>City Manager Departments Fleet. Updated with 2014 Information Public Works Trucks</i></p> <p><i>Miles are the average per vehicle taken from the total of all vehicles in the group from the M4 fleet management database system. Gallons are the total for all vehicles in the group from the M4 fleet management database system.</i></p>						
City of Long Beach - City Manager Departments Fleet	Heavy-Duty	LNG	2	1,862 gal	1,168 gal	2.1 tons
<p>Market: Government - Local Vehicle type: Truck: Semi-trailer Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>City of Long Beach - City Manager Departments Fleet. Updated with 2014 information Public Service and Beach Operations: Truck Tractors to pull a trailer.</i></p> <p><i>Miles are the average per vehicle taken from the total of all vehicles in the group from the M4 fleet management database system. Gallons are the total for all vehicles in the group from the M4 fleet management database system.</i></p>						
City of Long Beach - City Manager Departments Fleet	Heavy-Duty	LNG	78	701,786 gal	440,047 gal	805.1 tons
<p>Market: Government - Local Vehicle type: Truck: Refuse Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>City of Long Beach - City Manager Departments Fleet Updated information for 2014 Environmental Services Bureau: 58 refuse packers used citywide. 20 are Street sweepers.</i></p> <p><i>Miles are the average per vehicle taken from the total of all vehicles in the group from the M4 fleet management database system. Gallons are the total for all vehicles in the group from the M4 fleet management database system.</i></p>						
City of Long Beach - City Manager Departments Fleet	Heavy-Duty	LNG	14	70,008 gal	43,898 gal	80.3 tons
<p>Market: Government - Local Vehicle type: Truck: No Trailer Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>City Manager Departments Fleet. Updated with 2014 information Public Works Trucks</i></p> <p><i>Miles are the average per vehicle taken from the total of all vehicles in the group from the M4 fleet management database system. Gallons are the total for all vehicles in the group from the M4 fleet management database system.</i></p>						
City of Long Beach - City Manager Departments Fleet	Heavy-Duty	Propane	2	100% of time	8,783 gal	18.3 tons
<p>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</p> <p><i>City of Long Beach - City Manager Departments Fleet Has 2 heavy duty (LPG) trucks</i></p>						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
City of Long Beach - City Manager Departments Fleet	Light-Duty	CNG	34	100% of time	18,044 gal	33.9 tons
<p>Miles traveled per vehicle: 10,614 mi Average vehicle fuel economy: 20 MPGge Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>City of Long Beach - City Manager Departments Fleet Has 34 light duty CNG vehicles</i></p>						
City of Long Beach - City Manager Departments Fleet	Light-Duty	E85	50	25% of time	5,280 gal	13.2 tons
<p>Miles traveled per vehicle: 10,614 mi Average vehicle fuel economy: 15 MPG Market: Corporate Fleet Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>City of Long Beach - City Manager Departments Fleet Has 50 light duty E85-Flex fuel vehicles</i></p>						
City of Long Beach - Port	Light-Duty	Propane	2	100% of time	476 gal	1.0 tons
<p>Miles traveled per vehicle: 5,000 mi Average vehicle fuel economy: 21 MPGge Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>Information has not changed from 2013 Updated for 2013 Port Operations: 2 street sweepers. 1 Tymco and one Elgin Pelican sweeper added in 2013. Miles are estimated. Fuel quantity is not known.</i></p>						
City of Whitter	Heavy-Duty	CNG	21	100% of time	96,816 gal	182.1 tons
<p>Miles traveled per vehicle: 25,000 mi Average vehicle fuel economy: 6 MPGde Market: Government - Local Vehicle type: Truck: Refuse Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>Stakeholder City of Whitter Has 21 heavy duty trucks, mostly refuse</i></p>						
City of Whitter	Light-Duty	CNG	3	100% of time	1,592 gal	3.0 tons
<p>Miles traveled per vehicle: 10,614 mi Average vehicle fuel economy: 20 MPGge Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>Stakeholder City of Whitter Has 3 light duty CNG vehicles</i></p>						
Culver City	Heavy-Duty	CNG	57	100% of time	118,969 gal	223.8 tons
<p>Miles traveled per vehicle: 11,318 mi Average vehicle fuel economy: 6 MPGde Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>Stakeholder Culver City Has 54 Transit Buses 3 Paratransit Buses</i></p>						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Culver City	Heavy-Duty	CNG	20	100% of time	92,206 gal	173.5 tons
<p>Miles traveled per vehicle: 25,000 mi Average vehicle fuel economy: 6 MPGde Market: Government - Local Vehicle type: Truck: Refuse Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p>Stakeholder Culver City Has 20 refuse vehicles</p>						
Culver City	Light-Duty	CNG	20	100% of time	10,614 gal	20.0 tons
<p>Miles traveled per vehicle: 10,614 mi Average vehicle fuel economy: 20 MPGge Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p>Stakeholder Culver City 20 light duty CNG vehicles</p>						
Culver City	Light-Duty	E85	50	25% of time	5,280 gal	13.2 tons
<p>Miles traveled per vehicle: 10,614 mi Average vehicle fuel economy: 15 MPG Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p>Stakeholder Culver City 50 light duty E85 Flex-Fuel vehicles</p>						
Culver City	Light-Duty	Propane	3	100% of time	1,516 gal	3.2 tons
<p>Miles traveled per vehicle: 10,614 mi Average vehicle fuel economy: 21 MPGge Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p>Stakeholder Culver City Has 3 light duty propane vehicle</p>						
Long Beach Transit	Heavy-Duty	CNG	64	100% of time	429,888 gal	808.7 tons
<p>Miles traveled per vehicle: 36,424 mi Average vehicle fuel economy: 6 MPGde Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p>Long Beach Transit Has 64 heavy duty CNG transit buses for city service</p>						
Los Angeles County Dept. of Public Works	Heavy-Duty	CNG	75	100% of time	345,772 gal	650.5 tons
<p>Miles traveled per vehicle: 25,000 mi Average vehicle fuel economy: 6 MPGde Market: Government - Local Vehicle type: Truck: Refuse Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p>Los Angeles County Dept. of Public Works Has 75 heavy duty CNG vehicles, most refuse and other heavy duty trucks</p>						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Los Angeles County Dept. of Public Works	Heavy-Duty	Propane	59	100% of time	259,103 gal	540.8 tons
<p>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</p> <p><i>Los Angeles County Dept. of Public Works Has 59 heavy duty propane vehicles, mixture of trucks and other heavy duty equipment</i></p>						
Los Angeles County Dept. of Public Works	Light-Duty	E85	17	25% of time	1,795 gal	4.5 tons
<p>Miles traveled per vehicle: 10,614 mi Average vehicle fuel economy: 15 MPG Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>Los Angeles County Dept. of Public Works Has 17 light duty E85 sedans</i></p>						
Total:			685		2,010,519 gal	3,990 tons

Electric, Hybrid & Plug-in Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
City of Beverly Hills	Light-Duty	Electric	2	1,287 gal	4.2 tons
<p>Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 10,614 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>City of Beverly Hills Has 2 electric light duty vehicles</i></p>					
City of Beverly Hills	Light-Duty	HEV	25	5,590 gal	68.9 tons
<p>Average vehicle fuel economy: 45 MPG Miles traveled per vehicle per year: 10,614 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>City of Beverly Hills Has 25 light duty hybrid electric vehicles</i></p>					
City of Long Beach - Port	Light-Duty	Electric	2	643 gal	2.1 tons
<p>Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 5,000 mi Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No</p>					

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
City of Long Beach - Port Average vehicle fuel economy: 40 MPG Miles traveled per vehicle per year: 5,000 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Current for 2014</i> <i>City of Long Beach - Port.</i> <i>Port Operations: 1 Camry; 22 Prius.</i> <i>Miles are estimated.</i> <i>Fuel quantity is not known.</i>	Light-Duty	HEV	23	6,708 gal	82.6 tons
City of Long Beach - Port Average vehicle fuel economy: 25 MPG Miles traveled per vehicle per year: 5,000 mi Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Updated for 2014 report</i> <i>City of Long Beach - Port.</i> <i>Port Operations: 3 Toyota Highlanders; 7 Ford Escapes.</i> <i>Miles are estimated.</i> <i>Fuel quantity is not known.</i>	Light-Duty	HEV	10	2,167 gal	26.7 tons
City of Long Beach- City Mangers Department Fleet Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 10,614 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No <i>City of Long Beach - City Manager Departments Fleet</i> <i>Has 39 light duty electric vehicles</i>	Light-Duty	Electric	39	25,088 gal	81.5 tons
City of Long Beach- City Mangers Department Fleet Average vehicle fuel economy: 45 MPG Miles traveled per vehicle per year: 10,614 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No <i>City of Long Beach - City Manager Departments Fleet</i> <i>Has 3 light duty hybrid vehicles</i>	Light-Duty	HEV	3	671 gal	8.3 tons
City of Whitter Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 10,614 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Stakeholder City of Whitter</i> <i>Has 3 light duty electric vehicles</i>	Light-Duty	Electric	3	1,930 gal	6.3 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
City of Whitter Average vehicle fuel economy: 45 MPG Miles traveled per vehicle per year: 10,614 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Stakeholder City of Whitter</i> <i>Has 3 light duty electric hybrid vehicles</i>	Light-Duty	HEV	3	671 gal	8.3 tons
Culver City Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 10,614 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Stakeholder Culver City</i> <i>2 light duty electric vehicles</i>	Light-Duty	Electric	2	1,287 gal	4.2 tons
Culver City Average vehicle fuel economy: 45 MPG Miles traveled per vehicle per year: 10,614 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Stakeholder Culver City</i> <i>12 light duty hybrid electric vehicle</i>	Light-Duty	HEV	12	2,683 gal	33.1 tons
Long Beach Transit Average electric fuel economy: - kWh/100mi Average vehicle fuel economy: 45 MPG Miles traveled per vehicle per year: 36,424 mi Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Long Beach Transit</i> <i>Has 89 heavy duty hybrid transit buses for city service</i>	Heavy-Duty	HEV	89	1,077,350 gal	13,270.5 tons
Long Beach Transit Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 11,318 mi Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Long Beach Transit</i> <i>Has 4 light duty off road vehicles electric</i>	Light-Duty	Electric	4	2,116 gal	6.9 tons
Long Beach Transit Average vehicle fuel economy: 45 MPG Miles traveled per vehicle per year: 11,318 mi Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Long Beach Transit</i> <i>25 light duty hybrid vehicles, type is unknown</i>	Light-Duty	HEV	25	6,934 gal	85.4 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Los Angeles County Dept. of Public Works	Light-Duty	HEV	2	447 gal	5.5 tons
<p>Average vehicle fuel economy: 45 MPG Miles traveled per vehicle per year: 10,614 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>Los Angeles County Dept. of Public Works Has 2 hybrid electric sedans</i></p>					
Sierra Club	Light-Duty	HEV	4	1,467 gal	18.1 tons
<p>Average vehicle fuel economy: 40 MPG Miles traveled per vehicle per year: 12,000 mi Market: General/Unknown Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>Confirmed with chapter president for the 2014 year Sierra Club of Long Beach. Board members: 3 Prius; 1 Honda Civic Miles are estimated. Fuel quantity is not known.</i></p>					
Sierra Club of Long Beach	Light-Duty	Electric	1	182 gal	0.6 tons
<p>Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 3,000 mi Market: General/Unknown Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>Sierra Club chapter: This information was confirmed for 2014 via email with the Chapters Chair 1 Geo that was converted to all electric. Mileage estimated. Mark Singer moved this project from AFV section to the EV section.</i></p>					
Total:			249	1,137,219 gal	13,713 tons

Off-Road Vehicles

Fleet Name	Application	Method	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Cal State University Long Beach	Other	Alternative fuel or vehicles	Propane	4	296 gal	0.6 tons
<p>Fuel used: 400 gal Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>* No changes have been noted from previous reports for the 2014 annual survey * Imported from 2011 Annual Report: Contacted CSULB and have been trying to update their information; their previous fleet management company lost the contract in 2013 and we have been working without contacts to get the new contractor information. We will keep working on this and hope to update our report once we receive the information. Cal State University Long Beach. General Operations: 4 forklifts. Fuel quantity is estimated at 100 gallons each.</i></p>						

Fleet Name	Application	Method	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Cal State University Long Beach	Other	Alternative fuel or vehicles	Propane	1	148 gal	0.3 tons
<p>Fuel used: 200 gal Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>** No changes have been noted from previous reports for the 2014 annual survey</i> <i>* Imported from 2011 Annual Report: Contacted CSULB and have been trying to update their information; their previous fleet management company lost the contract in 2013 and we have been working without contacts to get the new contractor information. We will keep working on this and hope to update our report once we receive the information.</i> <i>Cal State University Long Beach.</i> <i>General Operations: 1 Sidewalk scrubber.</i> <i>Miles are estimated.</i> <i>Fuel quantity is not known.</i></p>						
City of Long Beach - City Manager Departments Fleet	Forklifts	Alternative fuel or vehicles	Propane	12	1,140 gal	2.4 tons
<p>Fuel used: 1,540 gal Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>City of Long Beach - City Manager Departments Fleet.</i> <i>Updated with 2014 information</i> <i>Citywide: 11 are forklifts, 1 is a manlift.</i> <i>Gallons are the total for all vehicles in the group from the M4 fleet management database system.</i></p>						
City of Long Beach - City Manager Departments Fleet	Forklifts	Alternative fuel or vehicles	Propane	1	104 gal	0.2 tons
<p>Fuel used: 140 gal Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>City of Long Beach - City Manager Departments Fleet.</i> <i>Updated with 2014 information</i> <i>Forklift used for Airport Maintenance</i> <i>Fuel consumption and miles are not known. It is low use with 140 gallons estimated</i></p>						
City of Long Beach- City Manager Department	Forklifts	Alternative fuel or vehicles	Electric	3	102 gal	0.1 tons
<p>Fuel used: 1,000 kWh Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>City of Long Beach-City Manager Department</i> <i>Updated with 2014 information</i> <i>3 forklifts</i> <i>Miles and fuel usage not known</i> <i>Low use estimated at 1000 kWh</i></p>						
City of Long Beach- Port	Construction equipment	Alternative fuel or vehicles	CNG	1	95 gal	0.2 tons
<p>Fuel used: 100 GGE Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>City of Long Beach- Port</i> <i>Updated with 2014 information</i> <i>GMC Utility Worktruck</i> <i>Gallons is estimated at 100</i></p>						

Fleet Name	Application	Method	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
City of Long Beach-Port	Construction equipment	Alternative fuel or vehicles	CNG	1	95 gal	0.2 tons
Fuel used: 100 GGE Percentage from coalition: 100% National Clean Fleets Partnership: No <i>City of Long Beach- Port Updated with 2014 GMC Utility Worktruck Gallons is estimated at 100</i>						
City of Long Beach-Port	Construction equipment	Alternative fuel or vehicles	LNG	2	314 gal	0.6 tons
Fuel used: 500 gal Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Long Beach City-Port Updated with 2014 information Port Operations- Semi Truck Tractor; 30 ton Crane Stinger Gallons are estimated at 250/vehicle</i>						
Los Angeles County Dept. of Public Works	Forklifts	Alternative fuel or vehicles	Electric	5	102 gal	0.1 tons
Fuel used: 1,000 kWh Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Los Angeles County Dept. of Public Works 5 electric off road forklifts</i>						
Los Angeles County Dept. of Public Works	Forklifts	Alternative fuel or vehicles	Propane	2	1,140 gal	2.4 tons
Fuel used: 1,540 gal Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Los Angeles County Dept. of Public Works 2 propane off road forklifts</i>						
Total:				32	3,534 gal	7 tons

FUEL STATIONS

New Stations

Fuel	Public Stations	Private Stations
Biodiesel	1	0
CNG - Compressed Natural Gas	0	0
E85 - 85% Ethanol	2	0
Electric Chargers	22	5
Hydrogen	0	0
LNG - Liquefied Natural Gas	0	0
Propane	0	0
Total:	25	5

OUTREACH ACTIVITIES

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Stakeholder Meeting Technology: Alternative fuel vehicles Audience: Government, Private Fleets, Other <i>Stakeholder meeting hosted at Cerritos College</i>	01/09/2014	Meeting - Stakeholder	100%	25
Stakeholder Meeting Technology: Alternative fuel vehicles, Fuel economy improvements Audience: Government, Private Fleets, Transit, Utility, Waste <i>Stakeholder Meeting in Partnership with MEMA</i> <i>-Industry news</i> <i>-GFX and ACT Expo information</i> <i>-Cummins Pacific Presentation: Emissions requirements for standby and prime power generators, Cummins Pacific Aftertreatment technology, and sales paths to Cummins Power Generation products</i> <i>-North American CNG Parters: expanding CNG Stations and locations and meeting the needs of local fleets</i> <i>- Motivo Engineering</i> <i>-Tour of Motivo Facility</i>	04/24/2014	Meeting - Stakeholder	100%	100
Stakeholder Meeting Technology: Alternative fuel vehicles Audience: General Public, Government, Private Fleets <i>Stakeholder meeting to review Annual Operating plan for 2015 and how to best incorporate AFV's into the coalitions plans for 2015 and increase outreach efforts.</i>	09/10/2014	Meeting - Stakeholder	100%	30
Fleet & Procurement Services Forum Technology: Alternative fuel vehicles, Fuel economy improvements, Hybrid electric vehicles Audience: Airport, Government, Private Fleets, Transit, Utility <i>Hosted Fleet & Procurement Services forum in partnership with MEMA to help public fleets with purchasing vehicles, especially AFV's for their fleets. Included a special presentation by Clean Energy on CNG/RNG Infrastructure.</i>	09/18/2014	Workshop held by coalition	100%	100
Stakeholder Meeting Technology: Alternative fuel vehicles, Hybrid electric vehicles Audience: Government, Private Fleets, Other <i>Stakeholder Meeting</i>	10/02/2014	Meeting - Stakeholder	100%	25
Wings, Wheels, & Rotors Expo Technology: Alternative fuel vehicles, Fuel economy improvements, Hybrid electric vehicles Audience: Airport, General Public, Government, Utility <i>Hosted a booth at the annual Wings, Wheels, and Rotors at Los Alamitos Army Airfield, Joint Forces Training Base on October 26th. Massive outreach to the public on AFV's and even had a Tesla as part of our display in order to promote electric vehicles to consumers.</i>	10/26/2014	Conference participation	100%	3,000
Total:				3,280

GRANTS

Grantor	Total Grant Amount	Total Matching Funds	Total Project Funding	Grant Amount Spent in 2014	Matching Funds Spent in 2014	Total Project Funding Spent in 2014
U.S Department of Energy/South Coast AQMD Length of grant: 2 Year grant began: 2013 Sources of the grant: Department of Energy, Other Federal Agency Partners: Bay Area Air Quality Management District , Clean City Coalitions in Southern California , South Coast Air Quality Management District Technologies: CNG - Compressed Natural Gas, Electricity, H2 - Hydrogen, LNG - Liquefied Natural Gas Purpose: For AF infrastructure planning, installation best practices guidelines, outreach workshops, & two AF events 1. Perform an assessment of what alternative fuel vehicle training is being offered to first responders, technicians and code officials in its region and an assessment of the need to provide additional training to these individuals, and 2. Undertake at least one (1) workshop in their region to cities and counties and employers and fleets on electric vehicle, hydrogen and natural gas infrastructure and vehicle best practices guidelines, 3. Provide one-on-one assistance to fleets and employers to support implementation of petroleum reduction strategies associated with the deployment of alternative fuel vehicles. Status: -We have completed the needs survey within our region and analyzed the results to begin planning out workshop -We are planning to invoice for \$6000 within the month	\$17,500	\$0	\$17,500	\$0	\$0	\$0
Total:	\$17,500	\$0	\$17,500	\$0	\$0	\$0