

2015 Transportation Technology Deployment Report:

Southern California Clean Cities Coalition
Expanded Edition

March 2016

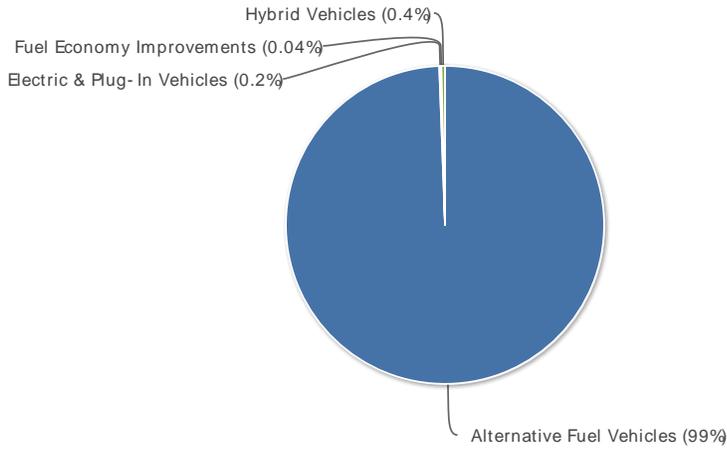
The U.S. Department of Energy's (DOE) Clean Cities program advances the nation's economic, environmental, and energy security by supporting local actions to reduce petroleum use in transportation. A national network of nearly 100 Clean Cities coalitions brings together stakeholders in the public and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

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

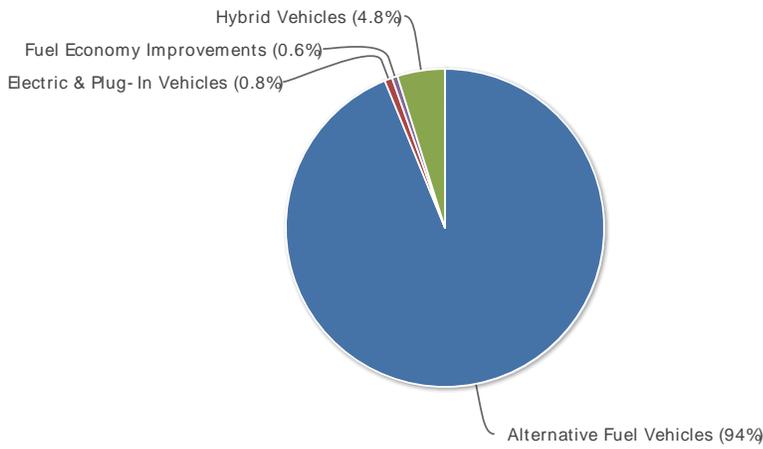
2015 Gallons of Gasoline Equivalent Reduced

82,662,822 gallons

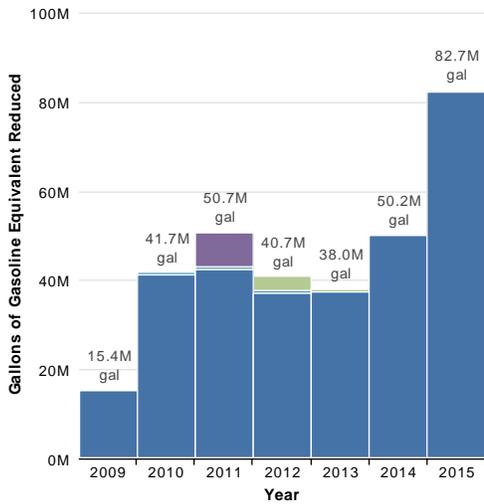


2015 Greenhouse Gas Emissions Reduced

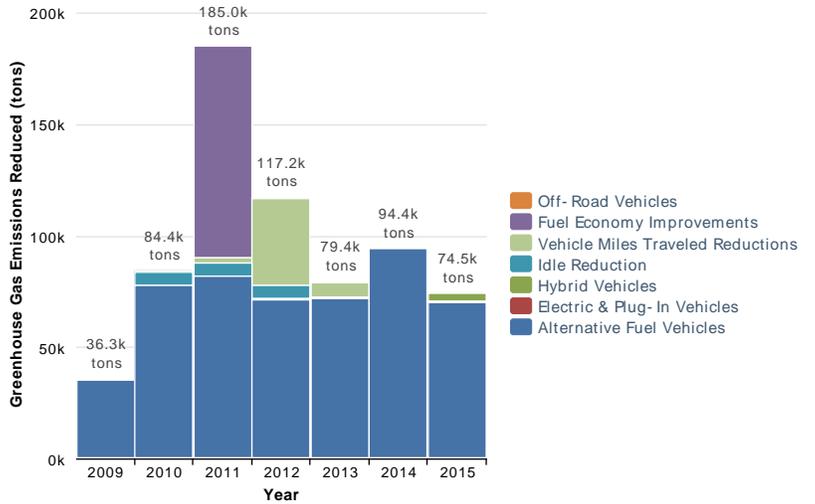
74,528 tons



Historical Gallons of Gasoline Equivalent Reduced

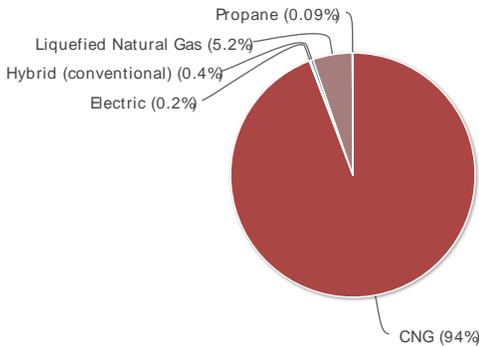


Historical Greenhouse Gas Emissions Reduced



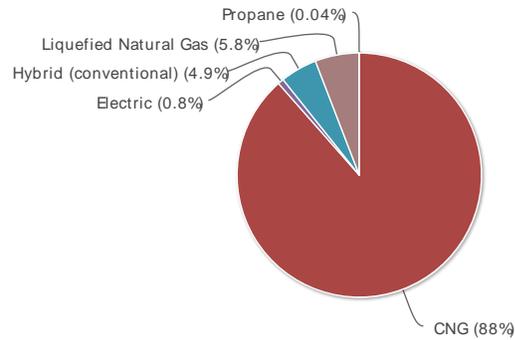
2015 Gallons of Gasoline Equivalent Reduced by Fuel Type for Alternative Fuel Projects

82,628,295 gallons



2015 Greenhouse Gas Emissions Reduced by Fuel Type for Alternative Fuel Projects

74,101 tons



COALITION

Southern California Clean Cities Coalition - CA

<http://www.scag.ca.gov/cleancities/>

Designated: 03/01/1996

Boundaries: Counties: Imperial, Los Angeles, Orange, San Bernardino, Ventura

COORDINATORS

	Address	Telephone	Fax
Marco Anderson	818 W 7th St, 12th Fl Los Angeles, CA 90017		
Number of coordinators			1
Coordinator(s) hours per week on Clean Cities			16 hours
Other staff hours per week on Clean Cities			20 hours
How long have you been the coordinator?			3 years

OPERATING INFORMATION

Host organization	Council of Governments (COG), Municipal Planning Organization (MPO), or Regional Planning Commission (RPC)
Stakeholders	
Number of stakeholders	50
Number of private stakeholders	25
Does the State Energy Office provide any financial support to the coalition or stakeholders?	Yes
Explain State Energy Office's support	SCAG has been successfully awarded planning and research grants from the CA Energy Commission (CEC). SCAG was awarded a grant in 2015, however will not begin until Spring 2016.
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?

Yes

2015 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 2015	\$0
Total non-DOE or ARRA funding in 2015	\$0

VEHICLE & FUEL INVENTORY

Alternative Fuel & Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
City of Azusa Miles traveled per vehicle: 34,053 mi Average vehicle fuel economy: 3 MPGde Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Miles traveled per vehicle per year and average vehicle fuel economy: "This is the default value for the selected vehicle type. If you have a more accurate number, please provide it"</i>	Heavy-Duty	CNG	1	100% of time	11,558 gal	9.7 tons
City of Banning Miles traveled per vehicle: 34,053 mi Average vehicle fuel economy: 3 MPGde Market: General/Unknown Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Fuel economy improvements:</i> Our transit bus fleet has been 100% CNG since 1999. We added One DAR to the fleet and removed one fueled by gasoline. Actual fuel economy for the CNG has not been calculated.	Heavy-Duty	CNG	7	100% of time	80,905 gal	68.1 tons
City of Corona Transit Service (CCTS) Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No -Other vehicle type: Light duty public transit buses (Chevy 5500 & Ford E 450 chassis) -Average number of miles traveled per vehicle, per year= 4,811 Note on Vehicle Miles Traveled Reductions None during calendar 2015. However, CCTS put into service larger heavy duty transit buses will accommodate more passengers. This enables CCTS to use one larger bus to replace two smaller buses that ran in tandem (three trips per weekday during school session). This occurred in February 2016 and can be reported in next year's survey.	Light-Duty	CNG	10	38,492 GGE	36,567 gal	47.4 tons
City of Glendale Transit Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No average number of miles traveled per vehicle, per year= 20,440 Fleet limits idling to under 5 minutes per occurrence.	Heavy-Duty	CNG	37	300,789 GGE	270,710 gal	227.9 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
City of Glendora	Heavy-Duty	CNG	2	3,704 GGE	3,334 gal	2.8 tons
Market: Government - Local Vehicle type: Bus: Shuttle Percentage from coalition: 100% National Clean Fleets Partnership: No <i>average number of miles traveled per vehicle, per year.</i> 40,000						
City of Irvine	Heavy-Duty	CNG	2	100% of time	2,092 gal	1.8 tons
Miles traveled per vehicle: 5,000 mi Average vehicle fuel economy: 5 MPGde Market: Government - Local Vehicle type: Truck: Semi-trailer Percentage from coalition: 100% National Clean Fleets Partnership: No <i>The information for the average number of miles traveled per vehicle, per year= 5,000 was provided. It is unclear for what it is for each vehicle type for this fleet. Average vehicle economy is default.</i>						
City of Irvine	Heavy-Duty	CNG	11	100% of time	7,914 gal	6.7 tons
Miles traveled per vehicle: 5,000 mi Average vehicle fuel economy: 8 MPGde Market: Government - Local Vehicle type: Bus: Shuttle Percentage from coalition: 100% National Clean Fleets Partnership: No <i>The information for the average number of miles traveled per vehicle, per year= 5,000 was provided. It is unclear for what it is for each vehicle type for this fleet. Average vehicle fuel economy is default.</i>						
City of Irvine	Heavy-Duty	CNG	26	100% of time	44,123 gal	37.2 tons
Miles traveled per vehicle: 5,000 mi Average vehicle fuel economy: 3 MPGde Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No <i>The information for the average number of miles traveled per vehicle, per year= 5,000 was provided. It is unclear for what it is for each vehicle type for this fleet. Average fuel economy is default.</i>						
City of Moorpark	Heavy-Duty	CNG	5	18,832 GGE	16,949 gal	14.3 tons
Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Average number of miles traveled per vehicle, per year= 47079</i> <i>The approximate time (percentage) that alternative fuel is used by fleet vehicles indicated is 97%</i>						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
City of Pasadena Transit Division	Heavy-Duty	CNG	25	100% of time	288,946 gal	243.3 tons
<p>Miles traveled per vehicle: 34,053 mi Average vehicle fuel economy: 3 MPGde Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p>Other</p> <p>Please specify other vehicle types and/or vehicle numbers if needed.</p> <p>19 30 or 32 buses & 6 cutways; 19 peak vehicles</p> <p>Heavy Duty Vehicle Inventory. What is the amount of fuel used by your fleet in 2015?</p> <p>CNG (gasoline equivalent)</p> <p>201,083.01</p> <p>Miles traveled per vehicle and average vehicle fuel economy: This is the default value for the selected vehicle type. If you have a more accurate number, please provide it.</p>						
City of Redondo Beach	Heavy-Duty	CNG	12	100% of time	102,128 gal	86.0 tons
<p>Miles traveled per vehicle: 25,075 mi Average vehicle fuel economy: 3 MPGde Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p>amount of fuel used by your fleet in 2015= CNG (gasoline equivalent) 150466.35</p> <p>average number of miles traveled per vehicle, per year= 25075</p>						
City of Redondo Beach	Heavy-Duty	CNG	8	100% of time	28,863 gal	24.3 tons
<p>Miles traveled per vehicle: 25,075 mi Average vehicle fuel economy: 8 MPGde Market: Government - Local Vehicle type: Bus: Shuttle Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p>amount of fuel used by your fleet in 2015= CNG (gasoline equivalent) 150466.35</p> <p>average number of miles traveled per vehicle, per year= 25075</p>						
City of Santa Clarita	Heavy-Duty	CNG	5	100% of time	5,882 gal	5.0 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: 25% National Clean Fleets Partnership: No</p> <p>Other vehicle type: vactor, graffiti</p> <p>amount of fuel used by fleet in 2015= CNG (gasoline equivalent) 790,228</p> <p>average number of miles traveled per vehicle, per year= 27,422 transit Dial a Ride; 41,704 transit buses</p>						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced			
City of Santa Clarita	Heavy-Duty	CNG	66	100% of time	190,705 gal	160.6 tons			
<p>Miles traveled per vehicle: 34,053 mi Average vehicle fuel economy: 3 MPGde Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 25% National Clean Fleets Partnership: No</p> <p><i>-average number of miles traveled per vehicle, per year= 27,422 transit Dial a Ride; 41,704 transit buses -amount of fuel used by fleet in 2015= CNG (gasoline equivalent) 790,228</i></p>									
City of Santa Clarita	Light-Duty	CNG	7	100% of time	841 gal	1.1 tons			
<p>Miles traveled per vehicle: 11,244 mi Average vehicle fuel economy: 23 MPGge Market: Government - Local Vehicle type: Car Percentage from coalition: 25% National Clean Fleets Partnership: No</p>									
City of Santa Clarita	Light-Duty	CNG	4	100% of time	682 gal	0.9 tons			
<p>Miles traveled per vehicle: 11,712 mi Average vehicle fuel economy: 17 MPGge Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 25% National Clean Fleets Partnership: No</p>									
City of Sierra Madre	Light-Duty	CNG	7	1% of time	9 gal	0.0 tons			
<p>Miles traveled per vehicle: 2,000 mi Average vehicle fuel economy: 15 MPGge Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>average number of miles traveled per vehicle, per year= 2 Miles</i></p>									
City of Simi Valley	Heavy-Duty	CNG	22	189,976 GGE	170,978 gal	144.0 tons			
<p>Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>average number of miles traveled per vehicle, per year= 29,864.19</i></p>									
City of Thousand Oaks	Heavy-Duty	CNG	25	57% of time	164,699 gal	138.7 tons			
<p>Miles traveled per vehicle: 34,053 mi Average vehicle fuel economy: 3 MPGde Market: General/Unknown Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p><i>Other info:</i></p> <p><i>Idle reduction strategies employed with your fleet.</i> Heavy Duty</p> <p><i>Type of Strategy Idle Reduction Equipment # of Vehicles involved in Idling Reduction</i></p> <table border="1"> <tr> <td>Policy</td> <td>N/A</td> <td>200</td> </tr> </table> <p><i>Ave. Daily Minutes of Idling Saved Daily Gallons Saved by not Idling= 90</i></p>							Policy	N/A	200
Policy	N/A	200							

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
City of Thousand Oaks	Light-Duty	CNG	33	57% of time	12,831 gal	16.6 tons
<p>Miles traveled per vehicle: 11,712 mi Average vehicle fuel economy: 17 MPGge Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p>Light Duty Vehicle Inventory. What is the amount of fuel used by your fleet in 2015? LPG (gallons) 204 Biodiesel (gallons) 28,219 CNG (gasoline equivalent) 195,627 kWh ?</p>						
City of Thousand Oaks	Light-Duty	CNG	9	57% of time	7,302 gal	9.5 tons
<p>Miles traveled per vehicle: 15,160 mi Average vehicle fuel economy: 11 MPGge Market: General/Unknown Vehicle type: Patrol Car Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p>Light Duty Vehicle Inventory. What is the amount of fuel used by your fleet in 2015? LPG (gallons) 204 Biodiesel (gallons) 28,219 CNG (gasoline equivalent) 195,627 kWh ?</p>						
Gold Coast Transit District	Heavy-Duty	CNG	56	941,477 GGE	847,329 gal	713.5 tons
<p>Market: General/Unknown Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p>average number of miles traveled per vehicle, per year= 36987 other: No fuel economy improvements were noted this year</p>						
Gold Coast Transit District	Light-Duty	CNG	14	100% of time	18,626 gal	24.1 tons
<p>Miles traveled per vehicle: 31,146 mi Average vehicle fuel economy: 23 MPGge Market: General/Unknown Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p>amount of fuel used by your fleet in 2015? CNG (gasoline equivalent) 1531.93</p> <p>Other info: Vehicle miles increased by .8% as bus service was increased.</p>						
Gold Coast Transit District	Light-Duty	CNG	1	100% of time	1,814 gal	2.4 tons
<p>Miles traveled per vehicle: 31,146 mi Average vehicle fuel economy: 17 MPGge Market: General/Unknown Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p>amount of fuel used by your fleet in 2015? CNG (gasoline equivalent) 1531.93</p>						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Los Angeles County Metropolitan Transit Authority	Heavy-Duty	CNG	2,250	33,757,840 GGE	30,382,056 gal	25,581.7 tons
<p>Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p>average number of miles traveled per vehicle, per year.</p> <p>32,824</p>						
Los Angeles County Metropolitan Transit Authority	Heavy-Duty	CNG	400	40,000,000 GGE	36,000,000 gal	30,312.0 tons
<p>Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No</p>						
Omnitrans	Heavy-Duty	CNG	175	2,883,485 GGE	2,595,137 gal	2,185.1 tons
<p>Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p>Heavy Duty Vehicles: Average number of miles traveled per vehicle, per year = 49,507</p>						
Orange County Transportation Authority	Heavy-Duty	CNG	338	4,895,912 GGE	4,406,321 gal	3,710.1 tons
<p>Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p>Heavy Duty Vehicle Inventory. The approximate time (percentage) that alternative fuel is used by fleet vehicles. 72%</p> <p>Heavy Duty Vehicle Inventory. The average number of miles traveled per vehicle, per year. 44,144</p>						
Orange County Transportation Authority	Heavy-Duty	LNG	190	5,403,650 gal	3,238,948 gal	3,248.7 tons
<p>Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p>Heavy Duty Vehicle Inventory. The approximate time (percentage) that alternative fuel is used by fleet vehicles. 72%</p> <p>Heavy Duty Vehicle Inventory. The average number of miles traveled per vehicle, per year. 44,144</p>						
Orange County Transportation Authority	Light-Duty	CNG	60	30,057 GGE	28,554 gal	37.0 tons
<p>Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p>approximate time (percentage) that alt fuel is used by fleet vehicles= 55% the average number of miles traveled per vehicle, per year= 9,494</p>						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced								
Palos Verdes Peninsula Transit Authority	Heavy-Duty	CNG	16	50,366 GGE	45,329 gal	38.2 tons								
Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Fleet has both transit and shuttle</i> <i>the average number of miles traveled per vehicle, per year= 16210</i>														
Palos Verdes Peninsula Transit Authority	Heavy-Duty	LNG	10	31,678 gal	18,988 gal	19.0 tons								
Market: Government - Local Vehicle type: Bus: Shuttle Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Fleet has both transit and shuttle</i> <i>the average number of miles traveled per vehicle, per year= 16210</i>														
Santa Monica's Big Blue Bus	Heavy-Duty	CNG	102	1,122,000 GGE	1,009,800 gal	850.3 tons								
Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Other notes:</i> <i>amount of fuel used by fleet in 2015</i> <i>LNG (gallons) 1740000 (number of vehicles and type are unknown)</i> <i>CNG (gasoline equivalent) 1122000 (Bus Transit = 102)</i> <i>Fuel Economy Improvements</i> <i>Heavy Duty</i> <table border="0"> <tr> <td><i>Method</i></td> <td><i>Vehicle Type</i></td> <td><i>Previous Fuel</i></td> <td><i>Previous and Current Fuel Economy</i></td> </tr> <tr> <td><i>Alternative Fuel Vehicle</i></td> <td><i>Bus Transit</i></td> <td><i>Diesel</i></td> <td><i>Unknown</i></td> </tr> </table> <i>Average Annual Miles by vehicles= 35000</i>							<i>Method</i>	<i>Vehicle Type</i>	<i>Previous Fuel</i>	<i>Previous and Current Fuel Economy</i>	<i>Alternative Fuel Vehicle</i>	<i>Bus Transit</i>	<i>Diesel</i>	<i>Unknown</i>
<i>Method</i>	<i>Vehicle Type</i>	<i>Previous Fuel</i>	<i>Previous and Current Fuel Economy</i>											
<i>Alternative Fuel Vehicle</i>	<i>Bus Transit</i>	<i>Diesel</i>	<i>Unknown</i>											
Santa Monica's Big Blue Bus	Light-Duty	CNG	8	1,000 GGE	950 gal	1.2 tons								
Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Average miles traveled per vehicle per year = 4000</i> <i>+ Pickup/SUVs = 5 (Hybrid)</i> <i>Fuel Economy Improvements</i> <i>Light Duty</i> <table border="0"> <tr> <td><i>Method</i></td> <td><i>Vehicle Type</i></td> <td><i>Previous Fuel</i></td> <td><i>Previous and Current Fuel Economy</i></td> </tr> <tr> <td><i>Alternative Fuel Vehicle</i></td> <td><i>Car Gasoline</i></td> <td></td> <td><i>Unknown</i></td> </tr> </table> <i>Average Annual Miles by vehicles= 4000</i>							<i>Method</i>	<i>Vehicle Type</i>	<i>Previous Fuel</i>	<i>Previous and Current Fuel Economy</i>	<i>Alternative Fuel Vehicle</i>	<i>Car Gasoline</i>		<i>Unknown</i>
<i>Method</i>	<i>Vehicle Type</i>	<i>Previous Fuel</i>	<i>Previous and Current Fuel Economy</i>											
<i>Alternative Fuel Vehicle</i>	<i>Car Gasoline</i>		<i>Unknown</i>											
Schwan's Home Service	Heavy-Duty	Propane	8	38,629 gal	26,318 gal	10.3 tons								
Market: Corporate Fleet Vehicle type: Truck: No Trailer Percentage from coalition: 100% National Clean Fleets Partnership: Yes														

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Southland Transit Inc.	Heavy-Duty	CNG	7	100% of time	41,965 gal	35.3 tons
<p>Miles traveled per vehicle: 17,663 mi Average vehicle fuel economy: 3 MPGde Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p>Heavy Duty Vehicle Inventory. Amount of fuel used by your fleet in 2015? CNG (gasoline equivalent) 17,663.21 -- it is unclear for each type of vehicle</p> <p>Heavy Duty Vehicle Inventory. Please enter the average number of miles traveled per vehicle, per year= 328,452</p>						
Southland Transit Inc.	Heavy-Duty	CNG	1	100% of time	2,541 gal	2.1 tons
<p>Miles traveled per vehicle: 17,663 mi Average vehicle fuel economy: 8 MPGde Market: Government - Local Vehicle type: Bus: Shuttle Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p>Heavy Duty Vehicle Inventory. What is the amount of fuel used by your fleet in 2015? CNG (gasoline equivalent) 17,663.21</p> <p>Heavy Duty Vehicle Inventory. Please enter the average number of miles traveled per vehicle, per year. 328,452</p>						
UPS CNG	Heavy-Duty	CNG	144	357,253 GGE	321,528 gal	270.7 tons
<p>Market: Corporate Fleet Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: Yes</p> <p>This includes class 4-6 package delivery trucks and class 7-8 tractors</p>						
UPS LNG	Heavy-Duty	LNG	39	1,734,230 gal	1,039,498 gal	1,042.6 tons
<p>Market: Corporate Fleet Vehicle type: Truck: Semi-trailer Percentage from coalition: 100% National Clean Fleets Partnership: Yes</p>						
UPS Propane	Heavy-Duty	Propane	21	66,993 gal	45,642 gal	17.9 tons
<p>Market: Corporate Fleet Vehicle type: Truck: No Trailer Percentage from coalition: 100% National Clean Fleets Partnership: Yes</p>						
Victor Valley Transit Authority	Heavy-Duty	CNG	49	100% of time	566,335 gal	476.9 tons
<p>Miles traveled per vehicle: 34,053 mi Average vehicle fuel economy: 3 MPGde Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p>average number of miles traveled per vehicle, per year= 2015: 40,322; 2014: 44,165</p> <p>amount of fuel used by fleet in 2015= CNG (gasoline equivalent) 834875.2</p> <p>Default- miles traveled and average vehicle fuel economy</p>						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Victor Valley Transit Authority	Light-Duty	CNG	7	6,321 GGE	6,005 gal	7.8 tons
<p>Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p>Average number of miles traveled per vehicle, per year: 2015: 21,238; 2014: 20,872</p>						
Victor Valley Transit Authority	Heavy-Duty	CNG	21	100% of time	98,810 gal	83.2 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>Amount of fuel used by fleet in 2015= 834875.2 Other vehicle types and/or vehicle numbers specified: Class C and E bus.</p> <p>Default- miles traveled and average vehicle fuel economy</p>						
Total:			4,241		82,190,511 gal	69,916 tons

Electric, Hybrid & Plug-in Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Antelope Valley Transit Authority	Heavy-Duty	HEV	15	16,438 gal	202.5 tons
<p>Average electric fuel economy: - kWh/100mi Average vehicle fuel economy: 4 MPG Miles traveled per vehicle per year: 12,000 mi Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No</p> <p>Other</p> <p>Please specify other vehicle types and/or vehicle numbers if needed.</p> <p>Battery Electric Bus = 2</p> <p>No info could be gathered or estimated for Average gasoline fuel economy (Hybrid and PHEVs only) * MPG so a value of 1 is entered</p>					

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
City of Gardena's 'GTrans'	Heavy-Duty	HEV	56	230,363 gal	2,837.6 tons
<p>Average electric fuel economy: - kWh/100mi Average vehicle fuel economy: 18 MPG Miles traveled per vehicle per year: 30,000 mi Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No</p>					

Heavy Duty Vehicle Inventory. Please enter the average number of miles traveled per vehicle, per year.

30,000 miles. 550,000 gallons gasoline (gas/hybrid)

(550000 by 30,000 = 18.3)

Fuel economy of conventional vehicles replaced *
This is the default value for the selected vehicle type.

Other notes provided:
Fuel Economy Improvements
Heavy Duty

Method Vehicle Type Previous Fuel Previous and Current Fuel Economy

Alternative Fuel Vehicle Bus: Transit Diesel Diesel was 4.3mpg Gas/hybrid is 3.5 mph
Average Annual Miles by vehicles: 30000
Current fuel: Gasoline

Foothill Transit	Heavy-Duty	Electric	15	145,179 gal	581.3 tons
<p>Electricity used: 900,000 kWh Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No</p>					

Heavy Duty Vehicle Inventory. Please enter the average number of miles traveled per vehicle, per year.

30,000

Foothill Transit	Light-Duty	HEV	9	961 gal	11.8 tons
<p>Average vehicle fuel economy: 47 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</p>					

Light Duty Vehicle Inventory. Please enter the average number of miles traveled per vehicle, per year=5000

Default value for Fuel economy was selected

No info available for Average gasoline fuel economy (Hybrid and PHEVs only) * MPG: so value 1 is entered

Other info: Our conventional fuel fleet is CNG. The fuel economy of these vehicles is 4.0 MPG. Our electric buses have a fuel economy of 2.16 kwh per mile, or 16.9 MPG GGE.

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Los Angeles County Metropolitan Transit Authority Average vehicle fuel economy: 47 MPG Miles traveled per vehicle per year: 10,104 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 25% National Clean Fleets Partnership: No Unknown: Average gasoline fuel economy (Hybrid and PHEVs only) *MPG Fuel economy of conventional vehicles replaced *MPG Car - 10,104 miles ; Pickup/SUV/Van - 9,769 miles	Light-Duty	HEV	338	23,405 gal	288.3 tons
Moorpark Average electric fuel economy: - kWh/100mi Average vehicle fuel economy: 47 MPG Miles traveled per vehicle per year: 4,000 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Light Duty Vehicle Inventory. The approximate time (percentage) that alt fuel is used by fleet vehicles. = 90% for local pool car usage; probably less than 10% though City-wide. Average gasoline fuel economy, fuel economy of conventional vehicles replaces and miles traveled per vehicle are unknown. A value of 1 has been entered. The fleet also has 2 Pickup//SUV/Neighborhood Vehicle	Light-Duty	HEV	2	128 gal	1.6 tons
UPS Hybrids Average electric fuel economy: - kWh/100mi Average vehicle fuel economy: 24 MPG Miles traveled per vehicle per year: 10,802 mi Market: Corporate Fleet Vehicle type: Truck: No Trailer Percentage from coalition: 100% National Clean Fleets Partnership: Yes UPS indicates that their hybrid vehicles see up to 4x improvement in fuel economy compared to their conventional counterparts.	Heavy-Duty	HEV	15	19,692 gal	242.6 tons
Victor Valley Transit Authority Average vehicle fuel economy: 28 MPG Miles traveled per vehicle per year: 11,712 mi Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No Average gasoline fuel economy is entered as 1- this information is unavailable fuel economy and miles traveled are set to default	Light-Duty	HEV	6	1,618 gal	19.9 tons
Total:			456	437,783 gal	4,186 tons

FUEL ECONOMY

Fuel Economy Improvements

Fleet Name	Previous Fuel	Current Fuel	Number of Vehicles	Miles Traveled per Vehicle	GGE Reduced	GHG Reduced
City of Irvine Method: Vehicle - More efficient Vehicle class: Light-Duty Market: Government - Local Vehicle type: Patrol Car Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Number of vehicles is unclear- all vehicles in heavy duty- CNG are added up (26 bus transit+11bus shuttle +2 truck-semi trailer)</i>	20 MPG	40 MPG	39	15,000 mi	14,625 gal	180.1 tons
City of Moorpark Method: Vehicle - More efficient Vehicle class: Heavy-Duty Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Note form stakeholder: transit vehicles get less than 10 miles per gallon (both diesel and CNG equivalent). Previous Fuel- Diesel.</i> <i>Heavy Duty Vehicle Inventory. The average number of miles traveled per vehicle, per year. =47079</i> <i>Heavy Duty Vehicle Inventory. The amount of fuel used by your fleet in 2015? CNG (gasoline equivalent) =18832</i> <i>Bus: Transit CNG 5</i>	10 MPG	10 MPG	5	45,000 mi	0 gal	0.0 tons
City of Thousand Oaks Method: Vehicle - More efficient Vehicle class: Light-Duty Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Current fuel Hybrid</i> <i>An estimated miles traveled per vehicle is used</i> <i>(33 CNG Pickup/SUV vehicles were listed)</i> <i>The stakeholder had indicated previous fuel economy as 20 MPG and current fuel economy as 10 MPG. This is not verified yet.</i>	10 MPG	20 MPG	33	1,500 mi	2,475 gal	30.5 tons
Southland Transit Inc. Method: Vehicle - More efficient Vehicle class: Heavy-Duty Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No	10 MPG	40 MPG	7	30,000 mi	17,427 gal	216.1 tons
Total:			84	91,500 mi	34,527 gal	427 tons

FUEL STATIONS

New Stations

Fuel	Public Stations	Private Stations
Biodiesel	-	-
CNG - Compressed Natural Gas	5	3
E85 - 85% Ethanol	1	2
Electric Charging Outlets	7	13

Fuel	Public Stations	Private Stations
Hydrogen	-	-
LNG - Liquefied Natural Gas	-	-
Propane	-	-
Total:	13	18

OUTREACH ACTIVITIES

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Successes in Alternative Fuel Fleet Development Reminder <i>Technology:</i> Alternative fuel vehicles, Fuel economy improvements, Hybrid electric vehicles, Idle reduction <i>Audience:</i> Delivery, Government, Private Fleets, Other	02/12/2015	Workshop held by coalition	80%	28
Imperial Valley Energy Summit <i>Technology:</i> Electric vehicles, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction <i>Audience:</i> General Public, Government, Private Fleets, Transit <i>Coordinator Participated on a panel showcasing Clean Cities Coalition Resources.</i>	03/13/2015	Conference participation	100%	18
E Novation Expo <i>Technology:</i> Hybrid electric vehicles <i>Audience:</i> General Public <i>In partnership with the Los Angeles and Long Beach Clean Cities Coalitions, the Southern California CCC participated in the exposition that accompanied the Electric Vehicle Grand Prix in Long Beach. Material was distributed regarding alt fuels and the role that CCC's play in improving access to alt fuels.</i>	04/03/2015	Literature Distribution	20%	15
CA Governor's 2015 Summit on Electric Vehicles <i>Technology:</i> Electric vehicles, Hydrogen <i>Audience:</i> Delivery, General Public, Government, Private Fleets, Transit <i>Represented Southern California Stakeholders in Sacramento</i>	05/04/2015	Meeting - Other	25%	40
CA Public Utilities Commission Hearing on EV Siting Efforts <i>Technology:</i> Electric vehicles <i>Audience:</i> Government, Other <i>Coordinator testified in front of informational hearing on MPO Planning efforts</i>	06/10/2015	Meeting - Other	10%	50
Energy Environment Policy Committee - Present 2014 Annual Report to Elected Officials <i>Technology:</i> Natural gas vehicles <i>Audience:</i> Government, Other <i>Annual report to the SCAG Policy Board</i>	07/02/2015	Meeting - Stakeholder	100%	25
Oregon DOT West Coast E-Hwy Stakeholder Meeting <i>Technology:</i> Electric vehicles <i>Audience:</i> Government, Other <i>Coordinator Attended E-Hwy Stakeholder Meeting in Portland Oregon.</i>	07/29/2015	Meeting - Other	10%	50
AltCar Expo - Santa Monica <i>Technology:</i> Electric vehicles, Fuel economy improvements, Hybrid electric vehicles, Hydrogen <i>Audience:</i> General Public, Government, Private Fleets, Transit, Utility <i>Sponsorship and Panel Moderation at Annual AltCar Expo in Santa Monica provided by Marco Anderson.</i>	09/25/2015	Conference participation	50%	35

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Palm Springs Energy Summit	10/16/2015	Conference participation	25%	50
Technology: Electric vehicles, Hybrid electric vehicles, Hydrogen, Idle reduction, Natural gas vehicles, Vehicle miles traveled reduction Audience: General Public, Government, Private Fleets <i>Sponsorship and booth at Annual Palm Springs Energy Summit to showcase Clean Cities Coalition Resources.</i>				
WRCOG Clean Cities Advancing the Choice Expo	10/29/2015	Conference participation	10%	30
Technology: Electric vehicles, Hybrid electric vehicles, Hydrogen Audience: General Public, Government, Transit <i>Coordinator Participated on a Panel Regarding the Future of Transportation</i>				
CA Energy Commission EV Siting and Planning Workshop	12/07/2015	Meeting - Other	50%	60
Technology: Electric vehicles Audience: Government, Other <i>Coordinator Participated in a CEC EV Siting and Planning Workshop</i>				
Total:				401