

# 2013 Transportation Technology Deployment Report:

Western Washington Clean Cities  
(Seattle)

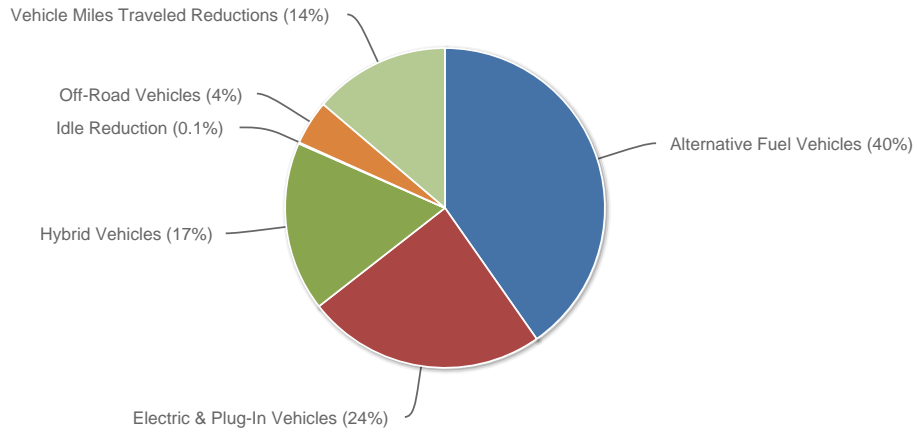
March 2014

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.

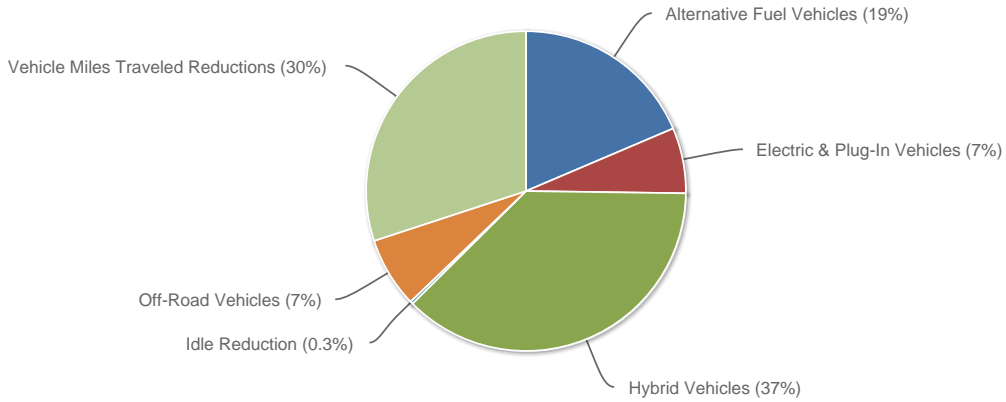
Every year, each Clean Cities coalition submits to DOE an annual report of its activities and accomplishments for the previous calendar year. Coalition coordinators, who lead the local coalitions, provide information and data via an online database managed by the National Renewable Energy Laboratory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

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

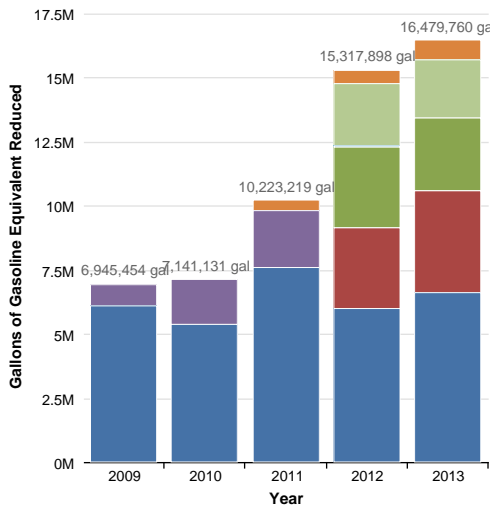
**2013 Gallons of Gasoline Equivalent Reduced**  
16,479,760 gallons



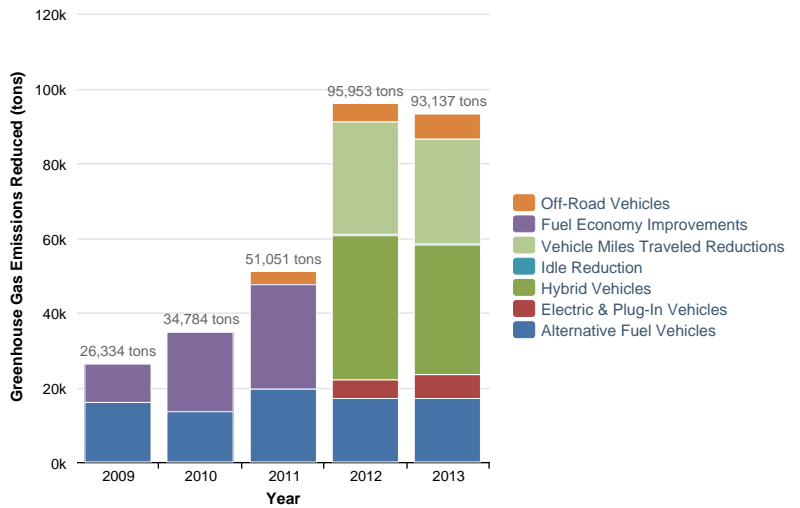
**2013 Greenhouse Gas Emissions Reduced**  
93,137 tons



**Historical Gallons of Gasoline Equivalent Reduced**



**Historical Greenhouse Gas Emissions Reduced**



# COALITION

## Western Washington Clean Cities (Seattle) - WA

<http://www.wwcleancities.org/>

**Designated:** 08/13/1998

**Boundaries:** Counties: Clallam, Grays Harbor, Jefferson, King, Kitsap, Lewis, Mason, Pacific, Pierce, San Juan Island, Skagit, Snohomish, Thurston, Whatcom

## COORDINATORS

	<b>Address</b>	<b>Telephone</b>	<b>Fax</b>
<b>Stephanie Meyn</b>	1904 Third Ave, Ste 105 Seattle, WA 98101	206-689-4055	206-343-7522

<b>Number of coordinators</b>	1
<b>Coordinator(s) hours per week on Clean Cities</b>	38 hours
<b>Other staff hours per week on Clean Cities</b>	12 hours
<b>How long have you been the coordinator?</b>	5 years

## OPERATING INFORMATION

**Host organization** Government - County

### Stakeholders

<b>Number of stakeholders</b>	79
<b>Number of private stakeholders</b>	39
<b>Does the State Energy Office provide any financial support to the coalition or stakeholders?</b>	No
<b>How would you rate the quality of the data on your survey?</b>	Good
<b>How do you obtain most of your data for the survey?</b>	Coalition records, Paper, e-mail, or spreadsheet questionnaire to stakeholders, Phone calls to stakeholders
<b>Has your coalition registered with <a href="http://www.grants.gov">www.grants.gov</a>?</b>	Yes

### 2013 Outside Funding

<b>Stakeholder dues collected</b>	\$41,800
<b>How much funding is obtained from other sources to cover coalition operating expenses?</b>	\$50,000
<b>Non-DOE or ARRA grant and matching funds spent in 2013</b>	\$5,606,118
<b>Total non-DOE or ARRA funding in 2013</b>	\$5,697,918

# VEHICLE & FUEL INVENTORY

## Alternative Fuel & Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Western WA heavy duty CNG fleet vehicles	Heavy-Duty	CNG	540	4,558,238 GGE	4,330,591 gal	8,146.5 tons
<p><b>Market:</b> General/Unknown  <b>Vehicle type:</b> Truck: Refuse  <b>Percentage from coalition:</b> 100%  <b>National Clean Fleets Partnership:</b> No</p> <p><i>The majority of this use is from 3 major refuse haulers in the region, including Waste Management, Allied, and CleanScapes. Pierce Transit is another user but is using RNG instead of CNG.</i></p>						
Western WA heavy duty biodiesel fleet vehicles	Heavy-Duty	Biodiesel (100%)	4,221	761,706 gal	579,849 gal	5,313.5 tons
<p><b>Market:</b> Government - Local  <b>Vehicle type:</b> Truck: No Trailer  <b>Percentage from coalition:</b> 75%  <b>National Clean Fleets Partnership:</b> No</p> <p><i>Approx half of this is from WSDOT's use in on-road trucks as B20, but the rest is a mix of B5 to B20 in municipal government fleets.</i></p>						
Western WA light and med duty biodiesel fleet vehicles	Light-Duty	Biodiesel (100%)	235	33,655 gal	40,992 gal	397.2 tons
<p><b>Market:</b> Government - Local  <b>Vehicle type:</b> Pickup/SUV/Van  <b>Percentage from coalition:</b> 100%  <b>National Clean Fleets Partnership:</b> No</p> <p><i>The vast majority is local government using B20 in pickup trucks</i></p>						
Western WA light and med duty propane fleet vehicles	Light-Duty	LPG	311	1,546,412 gal	1,144,345 gal	2,388.6 tons
<p><b>Market:</b> General/Unknown  <b>Vehicle type:</b> Pickup/SUV/Van  <b>Percentage from coalition:</b> 100%  <b>National Clean Fleets Partnership:</b> No</p> <p><i>Propane private fleet adoption has skyrocketed in this region thanks to key coalition members adding private fueling and doing small fleet conversions. Most are shuttles, delivery and service vans, and some police cars as well.</i></p>						
Western WA light duty CNG vehicles	Light-Duty	CNG	321	476,598 GGE	452,796 gal	851.8 tons
<p><b>Market:</b> Taxis  <b>Vehicle type:</b> Car  <b>Percentage from coalition:</b> 100%  <b>National Clean Fleets Partnership:</b> No</p> <p><i>The majority of these vehicles are taxis.</i></p>						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Western WA light duty flex fuel fleet vehicles	Light-Duty	E85	9,273	212,035 gal	88,943 gal	222.3 tons
<p>Market: Government - Local            Vehicle type: Car            Percentage from coalition: 75%            National Clean Fleets Partnership: No</p> <p><i>The majority of the vehicles are owned by EPAAct mandated fleets, but very few use E85 because of lack of infrastructure. Some local governments also use E85.</i></p>						
<b>Total:</b>			<b>14,901</b>		<b>6,637,515 gal</b>	<b>17,320 tons</b>

## Electric, Hybrid & Plug-in Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
EV Project - Puget Sound Area	Light-Duty	Electric	1,062	223,094 gal	724.4 tons
<p>Electricity used: 2,083,040 kWh            Market: General/Unknown            Vehicle type: Car            Percentage from coalition: 75%            National Clean Fleets Partnership: No</p>					
King County 40' Diesel Electric Hybrid transit buses	Heavy-Duty	HEV	199	1,135,759 gal	13,990.0 tons
<p>Average electric fuel economy: - kWh/100mi            Average vehicle fuel economy: 5 MPG            Miles traveled per vehicle per year: 38,522 mi            Market: General/Unknown            Vehicle type: Bus: Transit            Percentage from coalition: 100%            National Clean Fleets Partnership: No</p> <p><i>Bus dated updated since last year. New data person corrected previously incorrect data.</i></p>					
King County Metro 60' Diesel Electric Hybrid buses	Heavy-Duty	HEV	497	672,407 gal	8,282.5 tons
<p>Average electric fuel economy: - kWh/100mi            Average vehicle fuel economy: 4 MPG            Miles traveled per vehicle per year: 33,167 mi            Market: General/Unknown            Vehicle type: Bus: Transit            Percentage from coalition: 100%            National Clean Fleets Partnership: No</p> <p><i>KCM expanded more RapidRide service with many new diesel electric hybrids that have much more electric functionality and save even more fuel than other hybrids.</i></p>					
King County Metro Electric Trolley buses	Heavy-Duty	Electric	155	3,732,413 gal	5,347.7 tons
<p>Electricity used: 19,259,098 kWh            Market: Government - Local            Vehicle type: Bus: Transit            Percentage from coalition: 100%            National Clean Fleets Partnership: No</p>					
Western WA heavy duty hybrid electric fleet vehicles	Heavy-Duty	HEV	161	286,184 gal	3,525.1 tons
<p>Average vehicle fuel economy: 9 MPG            Miles traveled per vehicle per year: 23,814 mi            Market: Government - Local            Vehicle type: Unknown/Other            Percentage from coalition: 100%            National Clean Fleets Partnership: No</p> <p><i>Most of these vehicles are in local government fleets and utilities</i></p>					

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Western WA light duty electric fleet vehicles	Light-Duty	Electric	114	29,870 gal	97.0 tons
<p>Electricity used: 209,171 kWh  Market: General/Unknown  Vehicle type: Car  Percentage from coalition: 100%  National Clean Fleets Partnership: No</p> <p><i>Majority is City of Seattle, but at least a dozen other city fleets now run battery electric vehicles in their fleet.</i></p>					
Western WA light duty hybrid fleet vehicles	Light-Duty	HEV	3,258	728,534 gal	8,973.9 tons
<p>Average vehicle fuel economy: 45 MPG  Miles traveled per vehicle per year: 10,614 mi  Market: General/Unknown  Vehicle type: Car  Percentage from coalition: 100%  National Clean Fleets Partnership: No</p> <p><i>Majority of these vehicles are Toyota Prius in government fleets, but also includes small delivery/medical supply/vendor companies as well.</i></p>					
<b>Total:</b>			<b>5,446</b>	<b>6,808,261 gal</b>	<b>40,941 tons</b>

## Off-Road Vehicles

Fleet Name	Application	Method	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Alaska Airlines eGSE	Other	Alternative fuel or vehicles	Electric	153	13,569 gal	19.4 tons
<p>Fuel used: 133,030 kWh  Percentage from coalition: 100%  National Clean Fleets Partnership: No</p> <p><i>Alaska Airlines is in the process of switching all of their Seattle based ground support equipment to electric. Full displacement in full operations will be reported next calendar year.</i></p>						
Washington State Ferries	Ships	Alternative fuel or vehicles	Biodiesel (100%)	22	698,057 gal	6,396.7 tons
<p>Fuel used: 687,741 gal  Percentage from coalition: 100%  National Clean Fleets Partnership: No</p> <p><i>Ferries are part of WA state highway system and run fully on B5 with plans to switch to B10. Our agency has been supporting this project from its inception.</i></p>						
Western WA construction and maintenance off road vehicles	Construction equipment	Alternative fuel or vehicles	Biodiesel (100%)	1,362	21,822 gal	200.0 tons
<p>Fuel used: 21,500 gal  Percentage from coalition: 100%  National Clean Fleets Partnership: No</p> <p><i>Most use B20 or less, but is reported as B100</i></p>						
Western WA off-road propane fleet vehicles	Forklifts	Alternative fuel or vehicles	LPG	127	7,600 gal	15.9 tons
<p>Fuel used: 10,270 gal  Percentage from coalition: 100%  National Clean Fleets Partnership: No</p> <p><i>Mostly forklifts but some lawn equipment.</i></p>						
<b>Total:</b>				<b>1,664</b>	<b>741,048 gal</b>	<b>6,632 tons</b>

## FUEL ECONOMY

### Vehicle Miles Traveled Reductions

Fleet Name	Method	Vehicle Class	GGE Reduced	GHG Reduced
King County Metro Vanpool/Vanshare/ Metropool	Carpooling	Light-Duty	2,270,961 gal	27,973.1 tons
Fuel saved: 2,270,961 gallons Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Reductions are not as great as last year because the fuel economy of prior modes of travel is improving and so by comparison the reductions are not as high. The EV metropool has reduced 26,000 of those gallons</i>				
<b>Total:</b>			<b>2,270,961 gal</b>	<b>27,973 tons</b>

## IDLE REDUCTION

### Onboard Idle Reduction

Fleet Name	Number of Vehicles	Equipment Usage per Vehicle	Fuel Saved per Vehicle	GGE Reduced	GHG Reduced
Diesel Emergency Response Vehicle Idle Reduction Project	45	140 hrs/year	1 gal/hr	6,831 gal	84.1 tons
Equipment: Auxiliary power unit (APU) Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Related to grant project reported in Grants section</i>					
Kitsap Transit Bus Heaters	20	205 hrs/year	2 gal/hr	9,073 gal	111.8 tons
Equipment: Direct-fire heater Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Reduces idling by 2 hours per day</i>					
<b>Total:</b>		<b>65</b>		<b>15,904 gal</b>	<b>196 tons</b>

### Other Idle Reduction

Project Name	Number of Vehicles	Idling Reduced per Vehicle	Fuel Saved per Vehicle	GGE Reduced	GHG Reduced
Idle reduction timers on private sector fleets in Western WA	400	3 mins/day 260 days/year	1 gal/hr	6,070 gal	75.3 tons
Type of project: Idle reduction programs Type of vehicle: Refuse Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Majority are diesel trucks and refuse fleets.</i>					
<b>Total:</b>		<b>400</b>		<b>6,070 gal</b>	<b>75 tons</b>

## FUEL STATIONS

### New Stations

Fuel	Public Stations	Private Stations
Biodiesel	-	-
CNG - Compressed Natural Gas	1	-
E85 - 85% Ethanol	-	-
Electric Chargers	116	323
Hydrogen	-	-
LNG - Liquefied Natural Gas	1	-



Fuel	Public Stations	Private Stations
LPG - Liquefied Petroleum Gas	-	1
<b>Total:</b>	<b>118</b>	<b>324</b>

## OUTREACH ACTIVITIES

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Clean Cities video at SeaTac Airport monitors	01/01/2013	Advertisement	100%	100,000
<p><b>Technology:</b> Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction  <b>Audience:</b> Airport, Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste, Other  <b>Clean Cities 20th Anniversary Event:</b> No  <i>Video ran every 4 minutes at 12 baggage claim terminals all year long.</i></p>				
Energy Independence Summit Webinar	01/29/2013	Conference participation	30%	50
<p><b>Technology:</b> Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction  <b>Audience:</b> Government, Private Fleets, Other  <b>Clean Cities 20th Anniversary Event:</b> No  <i>Presented on value of building relationships with elected officials for Coalitions</i></p>				
Coalition Awareness on Local Spanish Radio	02/13/2013	Social Media	100%	500
<p><b>Technology:</b> Alternative fuel vehicles, Fuel economy improvements, Hybrid electric vehicles  <b>Audience:</b> General Public  <b>Clean Cities 20th Anniversary Event:</b> No</p>				
EVSE for Western WA Colleges	02/15/2013	Conference participation	100%	20
<p><b>Technology:</b> Alternative fuel vehicles  <b>Audience:</b> Other  <b>Clean Cities 20th Anniversary Event:</b> No  <i>Presented electric vehicle support/infrastructure considerations for a consortium of technical colleges in Western WA</i></p>				
Q1 WWCC Steering Committee Meeting	02/20/2013	Meeting - Stakeholder	100%	10
<p><b>Technology:</b> Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction  <b>Audience:</b> Airport, Delivery, Government, Private Fleets, Transit, Utility, Waste, Other  <b>Clean Cities 20th Anniversary Event:</b> No</p>				
Auburn Public CNG Station Opening	02/26/2013	Media Event	50%	100
<p><b>Technology:</b> Alternative fuel vehicles  <b>Audience:</b> Delivery, General Public, Government, Private Fleets, Utility, Waste, Other  <b>Clean Cities 20th Anniversary Event:</b> No</p>				
Clean Cities Radio - 1 hour show	02/28/2013	Social Media	90%	200
<p><b>Technology:</b> Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction  <b>Audience:</b> Airport, Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste, Other  <b>Clean Cities 20th Anniversary Event:</b> No</p>				
Green Truck Summit poster sessions	03/04/2013, 03/05/2013, 03/06/2013	Conference participation	100%	50
<p><b>Technology:</b> Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles  <b>Audience:</b> Delivery, Government, Private Fleets, Waste, Other  <b>Clean Cities 20th Anniversary Event:</b> No</p>				
NAFA-Clean Cities Green Fleet Workshop	03/13/2013	Workshop held by coalition	100%	70
<p><b>Technology:</b> Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction  <b>Audience:</b> Airport, Delivery, Government, Private Fleets, Transit, Utility, Waste  <b>Clean Cities 20th Anniversary Event:</b> No</p>				

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Capitol Hill Representative Visits <b>Technology:</b> Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction <b>Audience:</b> Government <b>Clean Cities 20th Anniversary Event:</b> No	04/09/2013	Meeting - Other	100%	15
Propane Infrastructure Workshop <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> Airport, Delivery, Government, Private Fleets, Transit, Utility <b>Clean Cities 20th Anniversary Event:</b> No	04/17/2013	Workshop held by coalition	100%	40
Steering Committee Q2 Meeting <b>Technology:</b> Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction <b>Audience:</b> Airport, Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste <b>Clean Cities 20th Anniversary Event:</b> No	05/09/2013	Meeting - Stakeholder	100%	10
King County regional fleet managers meeting <b>Technology:</b> Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction <b>Audience:</b> Government, Transit, Utility, Waste <b>Clean Cities 20th Anniversary Event:</b> No	05/22/2013	Meeting - Other	100%	20
USDOE Google Hangout <b>Technology:</b> Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction <b>Audience:</b> Airport, Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste, Other <b>Clean Cities 20th Anniversary Event:</b> Yes	06/20/2013	Social Media	100%	200
Renewable Natural Gas Workshop (Cash Cow) <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> Airport, Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste, Other <b>Clean Cities 20th Anniversary Event:</b> No	07/16/2013	Workshop held by coalition	100%	150
Puget Sound Business Journal ad <b>Technology:</b> Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction <b>Audience:</b> Airport, Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste, Other <b>Clean Cities 20th Anniversary Event:</b> No	07/19/2013	Advertisement	100%	50,000
Steering Committee Q3 meeting <b>Technology:</b> Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction <b>Audience:</b> Airport, Delivery, Government, Private Fleets, Transit, Utility, Waste, Other <b>Clean Cities 20th Anniversary Event:</b> No	08/15/2013	Meeting - Stakeholder	100%	10
urban Traffic Engineers Council Meeting <b>Technology:</b> Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction <b>Audience:</b> Government, Utility <b>Clean Cities 20th Anniversary Event:</b> No	09/19/2013	Meeting - Other	50%	40
Nissan Ride & Drive at Google <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> General Public <b>Clean Cities 20th Anniversary Event:</b> No	10/03/2013	Literature Distribution	50%	20
Public Fleet Managers Association meeting presentations <b>Technology:</b> Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles <b>Audience:</b> Government, Transit, Utility <b>Clean Cities 20th Anniversary Event:</b> No	10/24/2013	Meeting - Other	50%	50
Blu LNG station opening (Sumner, WA) <b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> Delivery, Government, Private Fleets, Utility, Other <b>Clean Cities 20th Anniversary Event:</b> No	10/25/2013	Meeting - Stakeholder	50%	25
Starbucks Green Transportation Fair <b>Technology:</b> Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Vehicle miles traveled reduction <b>Audience:</b> General Public, Other <b>Clean Cities 20th Anniversary Event:</b> No	10/28/2013	Literature Distribution	50%	50

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Future Energy Conference - DME session	10/30/2013	Conference participation	100%	50
<b>Technology:</b> Alternative fuel vehicles, Fuel blends <b>Audience:</b> Airport, Delivery, Government, Private Fleets, Transit, Utility, Waste, Other <b>Clean Cities 20th Anniversary Event:</b> No				
Steering Committee Q4 meeting	11/06/2013	Meeting - Stakeholder	100%	10
<b>Technology:</b> Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction <b>Audience:</b> Airport, Delivery, Private Fleets, Transit, Utility, Waste, Other <b>Clean Cities 20th Anniversary Event:</b> No				
State AFV Tech Adv Group Meeting	11/15/2013	Meeting - Other	75%	25
<b>Technology:</b> Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Vehicle miles traveled reduction <b>Audience:</b> Government, Transit, Utility, Other <b>Clean Cities 20th Anniversary Event:</b> No				
WWCC Annual General Meeting	12/05/2013	Meeting - Stakeholder	100%	100
<b>Technology:</b> Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles, Idle reduction <b>Audience:</b> Airport, Delivery, Private Fleets, Transit, Utility, Waste, Other <b>Clean Cities 20th Anniversary Event:</b> No				
City of Redmond Waste Management ribbon cutting	12/10/2013	Media Event	50%	100
<b>Technology:</b> Alternative fuel vehicles <b>Audience:</b> Delivery, General Public, Government, Waste, Other <b>Clean Cities 20th Anniversary Event:</b> No				
<b>Total:</b>				<b>151,915</b>

## GRANTS

Grantor	Total Grant Amount	Total Matching Funds	Total Project Funding	Grant Amount Spent in 2013	Matching Funds Spent in 2013	Total Project Funding Spent in 2013
US Department of Energy	\$14,999,770	\$26,848,937	\$41,848,707	\$5,313,342	\$5,606,118	\$10,919,460
<b>Length of grant:</b> 5 <b>Year grant began:</b> 2009 <b>Sources of the grant:</b> Department of Energy <b>Partners:</b> Alaska Airlines, City of Seattle, Port of Seattle, Snohomish County, Washington State University, Western Washington University, World CNG <b>Technologies:</b> Biodiesel Blends, CNG - Compressed Natural Gas, E85 - 85 percent Ethanol, Electricity, Fuel Economy Improvements, Idle Reduction, LPG - Liquefied Petroleum Gas <b>Purpose:</b> Petroleum reduction in Puget Sound region						
<b>Total:</b>	<b>\$14,999,770</b>	<b>\$26,848,937</b>	<b>\$41,848,707</b>	<b>\$5,313,342</b>	<b>\$5,606,118</b>	<b>\$10,919,460</b>