

2014 Transportation Technology Deployment Report:

Denver Metro Clean Cities Coalition

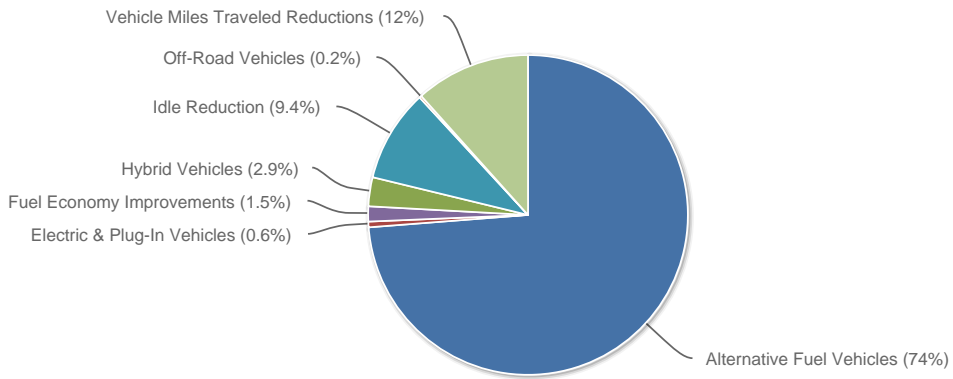
March 2015

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.

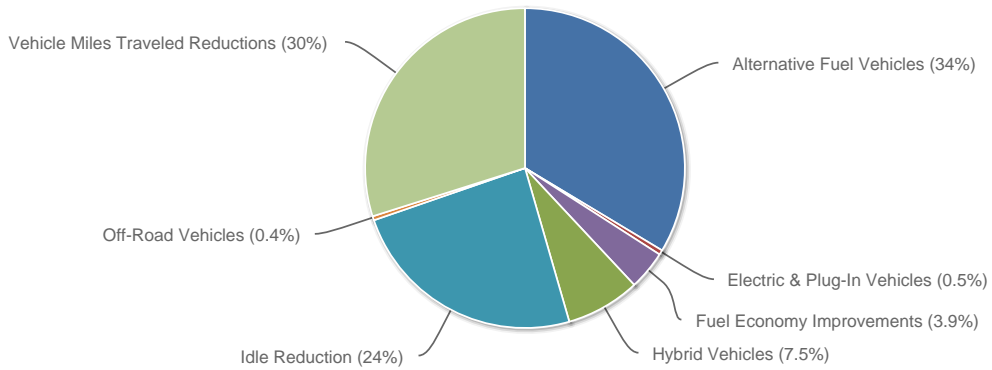
Every year, each Clean Cities coalition submits to DOE an annual report of its activities and accomplishments for the previous calendar year. Coalition coordinators, who lead the local coalitions, provide information and data via an online database managed by the National Renewable Energy Laboratory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

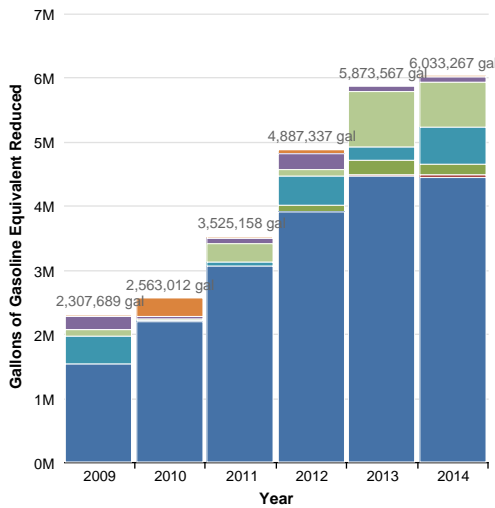
2014 Gallons of Gasoline Equivalent Reduced
6,033,267 gallons



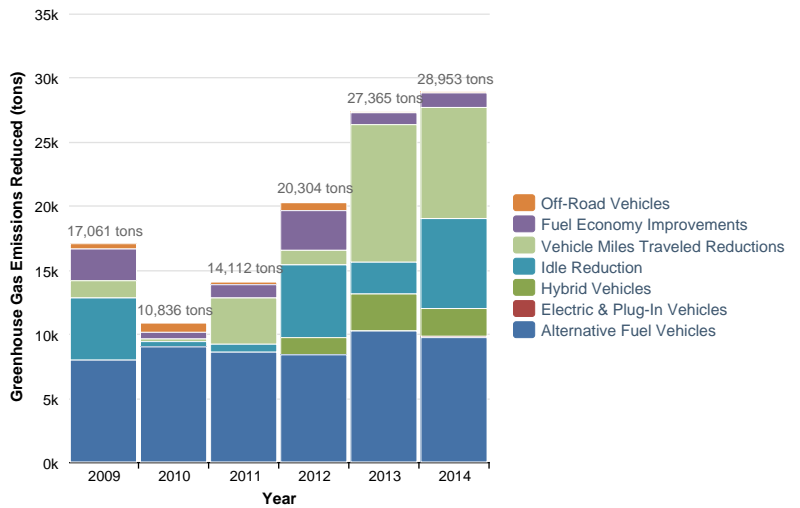
2014 Greenhouse Gas Emissions Reduced
28,953 tons



Historical Gallons of Gasoline Equivalent Reduced

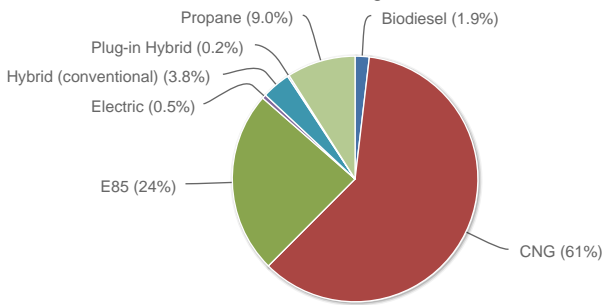


Historical Greenhouse Gas Emissions Reduced



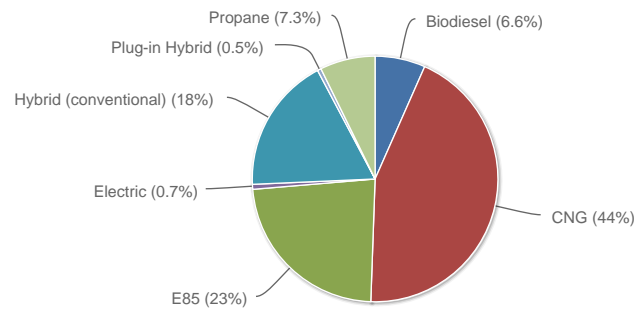
2014 Gallons of Gasoline Equivalent Reduced by Fuel Type for Alternative Fuel Projects

4,670,437 gallons



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

12,117 tons



COALITION

Denver Metro Clean Cities Coalition - CO

<http://www.denvercleancities.org>

Designated: 09/13/1993

Boundaries: Counties: Adams, Arapahoe, Boulder, Broomfield, Clear Creek, Denver, Douglas, Eagle, Gilpin, Jefferson, Pitkin, Summit; City of Denver

COORDINATORS

	Address	Telephone	Fax
Tyler Svitak	5600 Greenwood Plaza Blvd, Ste 100 Greenwood Village, CO 80111	303-847-0281	303-377-1102

Number of coordinators	1
Coordinator(s) hours per week on Clean Cities	35 hours
Other staff hours per week on Clean Cities	40 hours
How long have you been the coordinator?	2 years

OPERATING INFORMATION

Host organization	Nonprofit - Hosted
Stakeholders	
Number of stakeholders	140
Number of private stakeholders	75
Does the State Energy Office provide any financial support to the coalition or stakeholders?	Yes
Explain State Energy Office's support	They fund the Refuel Colorado Fleets program, of which we are a subcontractor. We work in regions with other contractors to provide energy coaching to fleets and communities.
How would you rate the quality of the data on your survey?	Excellent
How do you obtain most of your data for the survey?	Coalition records, Estimates, Paper, e-mail, or spreadsheet questionnaire to stakeholders, Phone calls to stakeholders

Has your coalition registered with www.grants.gov?

Yes

2014 Outside Funding

Stakeholder dues collected	\$23,347
How much funding is obtained from other sources to cover coalition operating expenses?	\$12,750
Non-DOE or ARRA grant and matching funds spent in 2014	\$0
Total non-DOE or ARRA funding in 2014	\$36,097

VEHICLE & FUEL INVENTORY

Alternative Fuel & Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Adams 12 Five Star School District	Heavy-Duty	Propane	12	100% of time	31,866 gal	66.5 tons
Miles traveled per vehicle: 12,000 mi Average vehicle fuel economy: 5 MPGde Market: Government - Local Vehicle type: Bus: School Percentage from coalition: 100% National Clean Fleets Partnership: No						
Alpine Waste and Recycling	Heavy-Duty	CNG	32	293,000 GGE	278,367 gal	523.7 tons
Market: Utility Vehicle type: Truck: Refuse Percentage from coalition: 100% National Clean Fleets Partnership: No						
Amerigas	Light-Duty	Propane	1	100% of time	357 gal	0.7 tons
Miles traveled per vehicle: 5,000 mi Average vehicle fuel economy: 14 MPGge Market: Corporate Fleet Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No						
Amerigas	Light-Duty	Propane	2	3,500 gal	2,590 gal	5.4 tons
Market: Corporate Fleet Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Aspen	Heavy-Duty	Biodiesel (20%)	39	42,852 gal	8,699 gal	79.7 tons
Market: Government - Local Vehicle type: Truck: Refuse Percentage from coalition: 100% National Clean Fleets Partnership: No						
Aspen	Light-Duty	Biodiesel (20%)	5	3,769 gal	918 gal	8.9 tons
Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No						
Aspen	Light-Duty	CNG	1	8 GGE	8 gal	0.0 tons
Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Aspen	Light-Duty	E85	34	1,340 gal	749 gal	1.9 tons
Market: Corporate Fleet Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No						
Aspen	Light-Duty	E85	53	177 gal	99 gal	0.2 tons
Market: Corporate Fleet Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
Boulder County	Heavy-Duty	Biodiesel (20%)	170	225,777 gal	45,833 gal	420.0 tons
Market: Government - Local Vehicle type: Truck: No Trailer Percentage from coalition: 100% National Clean Fleets Partnership: No						
Boulder County	Light-Duty	Propane	7	1,429 gal	1,057 gal	2.2 tons
Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Boulder Valley School District	Heavy-Duty	CNG	8	1,749 GGE	1,662 gal	3.1 tons
Market: Government - Local Vehicle type: Bus: School Percentage from coalition: 100% National Clean Fleets Partnership: No						
Brighton	Light-Duty	CNG	7	1,162 GGE	1,104 gal	2.1 tons
Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No						
Brighton	Light-Duty	E85	16	1,264 gal	707 gal	1.8 tons
Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No						
Brighton School District	Heavy-Duty	Propane	25	100% of time	33,194 gal	69.3 tons
Miles traveled per vehicle: 12,000 mi Average vehicle fuel economy: 5 MPGde Market: Government - Local Vehicle type: Bus: School Percentage from coalition: 50% National Clean Fleets Partnership: No						
CH2M Hill Engineers	Light-Duty	E85	6	3,490 gal	1,952 gal	4.9 tons
Market: Corporate Fleet Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No						
CH2M Hill Engineers	Light-Duty	E85	12	7,724 gal	4,320 gal	10.8 tons
Market: Corporate Fleet Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
City of Arvada	Heavy-Duty	Biodiesel (20%)	62	16,064 gal	3,261 gal	29.9 tons
Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Arvada	Heavy-Duty	Biodiesel (20%)	39	42,852 gal	8,699 gal	79.7 tons
Market: Government - Local Vehicle type: Truck: No Trailer Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Arvada	Light-Duty	Biodiesel (20%)	5	3,769 gal	918 gal	8.9 tons
Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Arvada	Light-Duty	Biodiesel (20%)	36	1,568 gal	382 gal	3.7 tons
Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No <i>off-road equipment</i>						
City of Arvada	Light-Duty	CNG	1	8 GGE	8 gal	0.0 tons
Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Arvada	Light-Duty	E85	34	1,340 gal	749 gal	1.9 tons
Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Arvada	Light-Duty	E85	53	177 gal	99 gal	0.2 tons
Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Boulder	Light-Duty	Biodiesel (20%)	105	34,622 gal	4,217 gal	40.9 tons
Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 50% National Clean Fleets Partnership: No						
City of Boulder	Light-Duty	E85	168	46,448 gal	12,989 gal	32.5 tons
Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 50% National Clean Fleets Partnership: No						
City of Denver	Heavy-Duty	CNG	24	83,703 GGE	79,523 gal	149.6 tons
Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
City of Denver	Light-Duty	E85	192	28,852 gal	16,137 gal	40.3 tons
Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Denver	Light-Duty	Propane	27	6,010 gal	4,447 gal	9.3 tons
Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Englewood	Light-Duty	CNG	7	264 GGE	251 gal	0.5 tons
Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Englewood	Light-Duty	E85	64	43,205 gal	24,165 gal	60.4 tons
Market: Government - Local Vehicle type: Patrol Car Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Lakewood	Heavy-Duty	Biodiesel (5%)	116	86,807 gal	4,405 gal	40.4 tons
Market: Government - Local Vehicle type: Truck: Refuse Percentage from coalition: 100% National Clean Fleets Partnership: No						
Colorado Corn	Light-Duty	E85	1	500 gal	70 gal	0.2 tons
Market: Corporate Fleet Vehicle type: Car Percentage from coalition: 25% National Clean Fleets Partnership: No						
Colorado Corn	Light-Duty	E85	2	1,394 gal	195 gal	0.5 tons
Market: Corporate Fleet Vehicle type: Pickup/SUV/Van Percentage from coalition: 25% National Clean Fleets Partnership: No						
Colorado State Fleet	Heavy-Duty	Biodiesel (20%)	133	19,750 gal	2,005 gal	18.4 tons
Market: Government - State Vehicle type: Truck: No Trailer Percentage from coalition: 50% National Clean Fleets Partnership: No <i>Mixed LD and HD trucks</i>						
Colorado State Fleet	Heavy-Duty	CNG	312	140,400 GGE	66,694 gal	125.5 tons
Market: Government - State Vehicle type: Truck: No Trailer Percentage from coalition: 50% National Clean Fleets Partnership: No						
Colorado State Fleet	Light-Duty	CNG	116	81,882 GGE	38,896 gal	73.2 tons
Market: Government - State Vehicle type: Pickup/SUV/Van Percentage from coalition: 50% National Clean Fleets Partnership: No						
Colorado State Fleet	Light-Duty	E85	2,566	820,000 gal	229,313 gal	573.2 tons
Market: Government - State Vehicle type: Unknown/Other Percentage from coalition: 50% National Clean Fleets Partnership: No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
DIA Market: Airport Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No	Heavy-Duty	CNG	60	798,926 GGE	759,026 gal	1,427.8 tons
DIA Market: Airport Vehicle type: Bus: Shuttle Percentage from coalition: 100% National Clean Fleets Partnership: No	Heavy-Duty	CNG	140	74,942 GGE	71,199 gal	133.9 tons
DIA Market: Airport Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No	Light-Duty	CNG	20	4,121 GGE	3,915 gal	7.4 tons
Encana Market: Corporate Fleet Vehicle type: Pickup/SUV/Van Percentage from coalition: 50% National Clean Fleets Partnership: No	Light-Duty	CNG	200	192,120 GGE	91,263 gal	171.7 tons
Foothills Park and Recreation Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No	Light-Duty	Propane	1	55 gal	41 gal	0.1 tons
General Services Administration Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 75% National Clean Fleets Partnership: No	Light-Duty	E85	1,431	144,485 gal	60,608 gal	151.5 tons
Kum and Go Market: General/Unknown Vehicle type: Unknown/Other Percentage from coalition: 25% National Clean Fleets Partnership: No <i>The only information available for this entry was the total gallons of alternative fuel sold by the station. The rest is estimated conservatively.</i>	Light-Duty	E85	10,763	5,363,396 gal	749,937 gal	1,874.6 tons
National Renewable Energy Lab Market: Corporate Fleet Vehicle type: Bus: Shuttle Percentage from coalition: 100% National Clean Fleets Partnership: No	Heavy-Duty	E85	6	16,493 gal	9,225 gal	23.1 tons
National Renewable Energy Lab Market: Corporate Fleet Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No	Light-Duty	E85	21	14,054 gal	7,860 gal	19.6 tons
Noble Energy Market: Corporate Fleet Vehicle type: Pickup/SUV/Van Percentage from coalition: 25% National Clean Fleets Partnership: No	Light-Duty	CNG	112	50,837 GGE	12,075 gal	22.7 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Republic Services Market: Corporate Fleet Vehicle type: Truck: Refuse Percentage from coalition: 100% National Clean Fleets Partnership: No	Heavy-Duty	CNG	68	774,581 GGE	735,897 gal	1,384.3 tons
Roaring Fork Transportation Authority Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 50% National Clean Fleets Partnership: No	Heavy-Duty	CNG	22	258,445 GGE	122,769 gal	230.9 tons
Schwan Market: Corporate Fleet Vehicle type: Truck: No Trailer Percentage from coalition: 100% National Clean Fleets Partnership: Yes <i>Estimated the number of vehicles because all we had was fuel use.</i>	Heavy-Duty	Propane	80	166,212 gal	122,997 gal	256.7 tons
US Gain Market: Corporate Fleet Vehicle type: Truck: Semi-tailer Percentage from coalition: 100% National Clean Fleets Partnership: No	Heavy-Duty	CNG	75	129,812 GGE	123,329 gal	232.0 tons
United Parcel Service Market: Corporate Fleet Vehicle type: Truck: No Trailer Percentage from coalition: 100% National Clean Fleets Partnership: Yes	Heavy-Duty	CNG	118	135,578 GGE	128,807 gal	242.3 tons
United Parcel Service Market: Corporate Fleet Vehicle type: Truck: No Trailer Percentage from coalition: 100% National Clean Fleets Partnership: Yes	Heavy-Duty	Propane	45	9,848 gal	7,288 gal	15.2 tons
VIA Miles traveled per vehicle: 35,000 mi Average vehicle fuel economy: 3 MPGde Market: Corporate Fleet Vehicle type: Bus: Transit Percentage from coalition: 50% National Clean Fleets Partnership: No <i>Averages from the AFLEET tool were used for VMT/year and AVG fuel economy</i>	Heavy-Duty	CNG	2	100% of time	12,909 gal	24.3 tons
VIA Miles traveled per vehicle: 65,000 mi Average vehicle fuel economy: 13 MPGge Market: Corporate Fleet Vehicle type: Pickup/SUV/Van Percentage from coalition: 50% National Clean Fleets Partnership: No <i>Averages were used for Miles Traveled per vehicle per year and AVG vehicle fuel economy. Averages were found using the AFLEET tool</i>	Light-Duty	CNG	12	100% of time	29,771 gal	56.0 tons
Veolia Transportation Miles traveled per vehicle: 40,000 mi Average vehicle fuel economy: 12 MPGge Market: Taxis Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: Yes	Light-Duty	Propane	100	65% of time	216,667 gal	452.3 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Waste Management	Heavy-Duty	CNG	36	288,000 GGE	273,617 gal	514.7 tons
Market: Corporate Fleet Vehicle type: Truck: Refuse Percentage from coalition: 100% National Clean Fleets Partnership: Yes						
Total:			17,805		4,450,103 gal	9,731 tons

Electric, Hybrid & Plug-in Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Aspen	Light-Duty	HEV	4	777 gal	9.6 tons
Average vehicle fuel economy: 40 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>used an estimate of 40</i>					
Boulder County	Light-Duty	HEV	42	6,860 gal	84.5 tons
Average vehicle fuel economy: 46 MPG Miles traveled per vehicle per year: 7,530 mi Market: Corporate Fleet Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No					
Boulder Valley School District	Heavy-Duty	HEV	3	2,282 gal	28.1 tons
Average vehicle fuel economy: 7 MPG Miles traveled per vehicle per year: 29,131 mi Market: Government - Local Vehicle type: Bus: School Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Fuel economy of replaced vehicles was found using AFDC's AFLEET tool</i>					
Brighton	Light-Duty	HEV	3	195 gal	2.4 tons
Average vehicle fuel economy: 32 MPG Miles traveled per vehicle per year: 5,593 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No					
Charge Ahead Colorado Grant	Light-Duty	Electric	108	20,202 gal	65.6 tons
Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 2,739 mi Market: General/Unknown Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No <i>This is a grant program that sprouted as a result from our EV readiness plan, we sit on the review committee, serve as community educators, and worked with the state to alter the program this year. There were 72 stations installed in my territory through this program, and many of the awardees I worked with prior to application submittal. The majority of the funded chargers were dual port, but to be conservative I multiplied 72 by 1.5 to get the total number of charging ports, 108. I then used the average Chargepoint kWh number for Colorado (provided by Caley) which was 856 and multiplied that by 3.2 (average miles/kWh) to get the average annual VMT of for PEVs in Colorado, 2739. So, the numbers represent 108 charging outlets that provided an average of 2,739 electric miles each throughout the year.</i>					
City of Arvada	Light-Duty	HEV	14	2,162 gal	26.6 tons
Average vehicle fuel economy: 31 MPG Miles traveled per vehicle per year: 5,890 mi Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No					

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
City of Boulder Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 1,742 mi Market: General/Unknown Vehicle type: Car Percentage from coalition: 50% National Clean Fleets Partnership: No <i>Vehicle type unknown, so fuel economy estimated.</i>	Light-Duty	Electric	1	53 gal	0.2 tons
City of Boulder Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 4,500 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 50% National Clean Fleets Partnership: No	Light-Duty	Electric	2	273 gal	0.9 tons
City of Boulder Average vehicle fuel economy: 24 MPG Miles traveled per vehicle per year: 750 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 50% National Clean Fleets Partnership: No	Light-Duty	PHEV	6	4 gal	0.0 tons
City of Denver Average vehicle fuel economy: 40 MPG Miles traveled per vehicle per year: 6,210 mi Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No	Light-Duty	HEV	177	23,884 gal	294.2 tons
City of Englewood Average vehicle fuel economy: 26 MPG Miles traveled per vehicle per year: 7,918 mi Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No	Light-Duty	HEV	2	95 gal	1.2 tons
Colorado State Fleet Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 3,000 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 50% National Clean Fleets Partnership: No	Light-Duty	Electric	21	1,909 gal	6.2 tons
Colorado State Fleet Average vehicle fuel economy: 41 MPG Miles traveled per vehicle per year: 12,500 mi Market: Government - State Vehicle type: Car Percentage from coalition: 50% National Clean Fleets Partnership: No	Light-Duty	HEV	245	28,940 gal	356.5 tons
Colorado State Fleet Average vehicle fuel economy: 45 MPG Miles traveled per vehicle per year: 13,200 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 50% National Clean Fleets Partnership: No	Light-Duty	PHEV	75	10,429 gal	59.9 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Foothills Park and Recreation Electricity used: 5,519 kWh Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No	Light-Duty	Electric	2	563 gal	1.8 tons
Foothills Park and Recreation Miles traveled per vehicle per year: 1 mi Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No <i>Off-road utility vehicle, miles traveled unknown</i>	Light-Duty	Electric	1	0 gal	0.0 tons
GSA Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 1,500 mi Market: Corporate Fleet Vehicle type: Car Percentage from coalition: 65% National Clean Fleets Partnership: No <i>Miles traveled per year based on 2012.</i>	Light-Duty	Electric	5	295 gal	1.0 tons
GSA Average vehicle fuel economy: 37 MPG Miles traveled per vehicle per year: 7,788 mi Market: Corporate Fleet Vehicle type: Car Percentage from coalition: 65% National Clean Fleets Partnership: No <i>Miles traveled based on 2012.</i>	Light-Duty	HEV	182	15,157 gal	186.7 tons
GSA Average vehicle fuel economy: 37 MPG Miles traveled per vehicle per year: 3,000 mi Market: Corporate Fleet Vehicle type: Car Percentage from coalition: 65% National Clean Fleets Partnership: No <i>Unknown miles traveled per vehicle per year.</i>	Light-Duty	PHEV	2	64 gal	0.4 tons
Town of Superior Average vehicle fuel economy: 40 MPG Miles traveled per vehicle per year: 12,000 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No	Light-Duty	Electric	1	730 gal	2.4 tons
Town of Superior Average vehicle fuel economy: 40 MPG Miles traveled per vehicle per year: 14,000 mi Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No	Light-Duty	HEV	1	259 gal	3.2 tons
VIA Average vehicle fuel economy: 37 MPG Miles traveled per vehicle per year: 12,400 mi Market: Corporate Fleet Vehicle type: Car Percentage from coalition: 50% National Clean Fleets Partnership: No <i>Averages from the AFLEET tool were used for VMT/year and AVG fuel economy</i>	Light-Duty	HEV	5	513 gal	6.3 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Veolia Transportation	Light-Duty	HEV	27	95,298 gal	1,173.9 tons
Average vehicle fuel economy: 35 MPG Miles traveled per vehicle per year: 56,620 mi Market: Taxis Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: Yes					
Total:			929	210,943 gal	2,311 tons

Off-Road Vehicles

Fleet Name	Application	Method	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Aspen	Recreational equipment	Alternative fuel or vehicles	Biodiesel (20%)	62	3,261 gal	29.9 tons
Fuel used: 16,064 gal Percentage from coalition: 100% National Clean Fleets Partnership: No						
Aspen	Recreational equipment	Alternative fuel or vehicles	Biodiesel (20%)	36	318 gal	2.9 tons
Fuel used: 1,568 gal Percentage from coalition: 100% National Clean Fleets Partnership: No						
Boulder County	Construction equipment	Alternative fuel or vehicles	Propane	7	1,057 gal	2.2 tons
Fuel used: 1,429 gal Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Arvada	Landscaping and lawn equipment	Alternative fuel or vehicles	Biodiesel (20%)	25	1,522 gal	13.9 tons
Fuel used: 7,497 gal Percentage from coalition: 100% National Clean Fleets Partnership: No						
City of Arvada	Construction equipment	Alternative fuel or vehicles	Biodiesel (20%)	38	2,668 gal	24.5 tons
Fuel used: 13,144 gal Percentage from coalition: 100% National Clean Fleets Partnership: No						
Colorado State Fleet	Construction equipment	Fuel economy improvement	Diesel	4	3,688 gal	45.7 tons
Fuel reduced: 6,666 gal Percentage from coalition: 50% National Clean Fleets Partnership: No						
Foothills Park and Recreation	Other	Alternative fuel or vehicles	Electric	2	563 gal	0.8 tons
Fuel used: 5,519 kWh Percentage from coalition: 100% National Clean Fleets Partnership: No						
Foothills Parks and Recreation	Recreational equipment	Alternative fuel or vehicles	Electric	1	1 gal	0.0 tons
Fuel used: 5 kWh Percentage from coalition: 100% National Clean Fleets Partnership: No <i>The kWh are unknown.</i>						
Total:				175	13,078 gal	120 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 Aspen 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	14 MPG	20 MPG	3	15,000 mi	964 gal	11.9 tons
Colorado State Fleet Method: Telematics Vehicle class: Light-Duty Market: Government - State Vehicle type: Pickup/SUV/Van Percentage from coalition: 50% National Clean Fleets Partnership: No	17 MPG	22 MPG	300	12,000 mi	24,064 gal	296.4 tons
Colorado State Fleet Method: Other Vehicle class: Light-Duty Market: Government - State Vehicle type: Pickup/SUV/Van Percentage from coalition: 50% National Clean Fleets Partnership: No	16 MPG	22 MPG	650	12,000 mi	66,477 gal	818.8 tons
National Renewable Energy Lab Method: Vehicle - Hydraulic hybrid Vehicle class: Heavy-Duty Market: Corporate Fleet Vehicle type: Bus: Shuttle Percentage from coalition: 100% National Clean Fleets Partnership: No	5 MPG	7 MPG	1	22,569 mi	1,075 gal	13.3 tons
Total:			954	61,569 mi	92,581 gal	1,140 tons

Vehicle Miles Traveled Reductions

Fleet Name	Method	Vehicle Class	GGE Reduced	GHG Reduced
Bike to Work Day Fuel saved: 16,480 gallons Percentage from coalition: 100% National Clean Fleets Partnership: No <i>VMT reduction of 337,842, so we divided that number by the general/unknown MPG of 20.5 to arrive at the displacement number.</i>	Non-motorized locomotion (e.g., bicycles)	Light-Duty	16,480 gal	203.0 tons
City of Boulder Fuel: Gasoline Fuel economy: 30 MPG Number of vehicles: 611 VMT reduction per vehicle: 5,200 mi Percentage from coalition: 50% National Clean Fleets Partnership: No	Other	Light-Duty	52,953 gal	652.3 tons
City of Boulder Fuel: Gasoline Fuel economy: 20 MPG Number of vehicles: 1 VMT reduction per vehicle: 1,742 mi Percentage from coalition: 50% National Clean Fleets Partnership: No <i>Replaced by 1 Nissan Leaf</i>	Car sharing (e.g., Zipcar)	Light-Duty	44 gal	0.5 tons

Fleet Name	Method	Vehicle Class	GGE Reduced	GHG Reduced
Colorado State Fleet Fuel: Gasoline Fuel economy: 27 MPG Number of vehicles: 150 VMT reduction per vehicle: 3,750 mi Percentage from coalition: 50% National Clean Fleets Partnership: No	Carpooling	Light-Duty	10,417 gal	128.3 tons
Colorado State Fleet Fuel: Gasoline Fuel economy: 27 MPG Number of vehicles: 600 VMT reduction per vehicle: 4,000 mi Percentage from coalition: 50% National Clean Fleets Partnership: No	Non-motorized locomotion (e.g., bicycles)	Light-Duty	44,444 gal	547.5 tons
Colorado State Fleet Fuel: Gasoline Fuel economy: 27 MPG Number of vehicles: 2,100 VMT reduction per vehicle: 4,500 mi Percentage from coalition: 50% National Clean Fleets Partnership: No	Telecommute	Light-Duty	175,000 gal	2,155.6 tons
Colorado State Fleet Fuel: Gasoline Fuel economy: 27 MPG Number of vehicles: 2,000 VMT reduction per vehicle: 5,000 mi Percentage from coalition: 50% National Clean Fleets Partnership: No	Mass transit	Light-Duty	185,185 gal	2,281.1 tons
National Renewable Energy Lab Fuel saved: 70,403 gallons Percentage from coalition: 100% National Clean Fleets Partnership: No <i>1,443,257 VMT reduction, divided by general/unknown MPG of 20.5</i>	Mass transit	Light-Duty	70,403 gal	867.2 tons
National Renewable Energy Lab Fuel saved: 46,630 gallons Percentage from coalition: 100% National Clean Fleets Partnership: Yes <i>955,924 VMT reduction, divided by general/unknown MPG of 20.5</i>	Carpooling	Light-Duty	46,630 gal	574.4 tons
National Renewable Energy Lab Fuel saved: 28,115 gallons Percentage from coalition: 100% National Clean Fleets Partnership: No <i>576,366 VMT reduction, divided by general/unknown MPG of 20.5.</i>	Compressed work week	Light-Duty	28,115 gal	346.3 tons
National Renewable Energy Lab Fuel saved: 51,544 gallons Percentage from coalition: 100% National Clean Fleets Partnership: No <i>1,056,671 VMT reduction, divided by general/unknown MPG of 20.5</i>	Telecommute	Light-Duty	51,544 gal	634.9 tons
Roaring Fork Transportation Authority Fuel: Diesel Fuel economy: 26 MPG Number of vehicles: 80 VMT reduction per vehicle: 12,400 mi Percentage from coalition: 50% National Clean Fleets Partnership: No	Mass transit	Heavy-Duty	21,108 gal	261.7 tons
Total:			702,323 gal	8,653 tons

IDLE REDUCTION

Idle Reduction

Project Name	Number of Vehicles	Idling Reduced per Vehicle	Fuel Saved per Vehicle	GGE Reduced	GHG Reduced
City of Aspen	4	33 mins/day 365 days/year	1 gal/hr	937 gal	11.6 tons
Type of project: Idle reduction programs Type of vehicle: Refuse Percentage from coalition: 100% National Clean Fleets Partnership: No					
City of Englewood	41	7 mins/day 365 days/year	1 gal/hr	1,833 gal	22.7 tons
Type of project: Other Type of vehicle: Other Percentage from coalition: 100% National Clean Fleets Partnership: No Averages for minutes idling was found using the AFLEET tool					
Colorado State Fleet	200	13 mins/day 365 days/year	1 gal/hr	8,152 gal	101.1 tons
Type of project: Direct-fire heater Type of vehicle: Light-Duty Percentage from coalition: 50% National Clean Fleets Partnership: No					
Colorado State Fleet	500	70 mins/day 240 days/year	1 gal/hr	70,000 gal	868.0 tons
Type of project: Automatic engine shutoff Type of vehicle: Delivery Truck Percentage from coalition: 50% National Clean Fleets Partnership: No					
Colorado State Fleet	50	60 mins/day 280 days/year	1 gal/hr	7,000 gal	86.8 tons
Type of project: Other Type of vehicle: Other Percentage from coalition: 50% National Clean Fleets Partnership: No "ALM" ?					
Foothills Parks and Rec	57	30 mins/day 365 days/year	1 gal/hr	7,282 gal	90.3 tons
Type of project: Idle reduction programs Type of vehicle: Light-Duty Percentage from coalition: 100% National Clean Fleets Partnership: No					
Foothills Parks and Rec	3	0 mins/day 305 days/year	0 gal/hr	2 gal	0.0 tons
Type of project: Direct-fire heater Type of vehicle: Other Percentage from coalition: 100% National Clean Fleets Partnership: No					
Foothills Parks and Rec	73	30 mins/day 365 days/year	1 gal/hr	8,526 gal	105.7 tons
Type of project: Idle reduction programs Type of vehicle: Other Percentage from coalition: 100% National Clean Fleets Partnership: No					

Project Name	Number of Vehicles	Idling Reduced per Vehicle	Fuel Saved per Vehicle	GGE Reduced	GHG Reduced
Waste Management	146	426 mins/day 365 days/year	1 gal/hr	460,507 gal	5,710.4 tons
Type of project: Idle reduction programs Type of vehicle: Refuse Percentage from coalition: 100% National Clean Fleets Partnership: Yes No average gallons of fuel saved per hour not idling, used 1.1 gallons / hour.					
Total:	1,074			564,239 gal	6,997 tons

FUEL STATIONS

New Stations

Fuel	Public Stations	Private Stations
Biodiesel	-	-
CNG - Compressed Natural Gas	2	1
E85 - 85% Ethanol	-	6
Electric Chargers	63	-
Hydrogen	-	-
LNG - Liquefied Natural Gas	-	-
Propane	-	-
Total:	65	7

OUTREACH ACTIVITIES

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Social Media Pages	01/01/2014	Social Media	100%	297
Technology: Alternative fuel vehicles, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction Audience: Airport, Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste, Other 297 social media followers				
Propane workshop	01/15/2014	Workshop held by coalition	100%	50
Technology: Alternative fuel vehicles Audience: Government, Other Held a propane-specific workshop that brought interested fleets, fuel providers, and OEMs together to learn about the product offerings and benefits of propane.				
Boulder EV Charging Opening	01/16/2014	Media Event	80%	20
Technology: Alternative fuel vehicles Audience: Organized press event for DC fast charging station opening in Boulder, CO.				
Driving Change Events	01/22/2014, 04/29/2014, 07/30/2014, 10/23/2014	Meeting - Other	100%	310
Technology: Alternative fuel vehicles Audience: General Public Hosted workplace AFV ride-and-drives at the department of public health, Anschutz Medical Center, department of transportation, and Xcel Energy. We gave 310 test drives over those four events.				

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Colorado Natural Gas Vehicle Coalition	02/11/2014, 03/11/2014, 05/13/2014, 06/10/2014, 07/08/2014, 08/12/2014, 09/09/2014, 10/14/2014, 11/11/2014	Meeting - Stakeholder	100%	1,530
Technology: Alternative fuel vehicles Audience: Airport, Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste, Other <i>I chair the coalition and organize the conference calls, draft the minutes, set the agenda, and emcee the call.</i>				
Quarterly Stakeholder Meeting	02/12/2014, 06/24/2014	Meeting - Stakeholder	100%	75
Technology: Alternative fuel vehicles Audience: <i>Hosted two meetings for our stakeholders that focused on different alternative fuel topic areas and featured tours of CNG fueling facilities and shop upgrades.</i>				
Online Alt Fuels Course	03/17/2014	Meeting - Other	50%	20
Technology: Alternative fuel vehicles Audience: General Public <i>Taught a Colorado State University class for 2 hours about alternative fuels.</i>				
Denver Auto Show	04/11/2014	Literature Distribution	20%	200
Technology: Alternative fuel vehicles Audience: General Public <i>Worked a booth with several PEVs at the Denver Auto Show with stakeholders to educate the general public about the benefits of PEVs and models that are available.</i>				
Denver Earth Day Fair	04/22/2014	Literature Distribution	10%	100
Technology: Alternative fuel vehicles, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction Audience: General Public <i>Hosted booth at the City of Denver's Earth Day event where we educated the public about AFVs and our program, and we also helped recruit other stakeholders to participate.</i>				
ACT Expo	05/05/2014	Conference participation	5%	4,434
Technology: Alternative fuel vehicles Audience: Airport, Delivery, General Public, Government, Private Fleets, Transit, Utility, Waste, Other <i>Attended the conference with several stakeholders, promoted the conference through communication and distribution of registration information.</i>				
Colorado Hydrogen Coalition Meeting	05/20/2014, 10/07/2014	Meeting - Stakeholder	100%	100
Technology: Alternative fuel vehicles Audience: Airport, Government, Private Fleets, Utility, Other <i>This year we created the Colorado Hydrogen Coalition. Tyler was the impetus that started the group, and these two meetings were attended by stakeholders interested in building the hydrogen fuel cell market in Colorado.</i>				
Future Drive	06/25/2014	Conference participation	10%	75
Technology: Alternative fuel vehicles Audience: Delivery, Government, Private Fleets, Transit, Utility, Waste, Other <i>Presented and participated in a conference called Future Drive held by Montreux Energy in Denver.</i>				
Grant Workshop	07/30/2014	Conference participation	20%	100
Technology: Alternative fuel vehicles Audience: <i>Presented about PEVs at a grant workshop put on by the Regional Air Quality Council. Also helped garner attendance.</i>				

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
National Drive Electric Week Press Event Technology: Alternative fuel vehicles Audience: Other <i>Organized a ride-and-drive event with different PEVs for the media in advance of National Drive Electric Week.</i>	09/09/2014	Media Event	100%	20
Fleetcon Technology: Alternative fuel vehicles Audience: Government, Other <i>Presented on alternative fuel fleet analysis to a conference breakout session</i>	09/09/2014	Conference participation	5%	40
National Drive Electric Week Technology: Alternative fuel vehicles Audience: General Public	09/17/2014, 09/20/2014	Workshop held by coalition	100%	650
GAIN CNG Station Opening Technology: Alternative fuel vehicles Audience: Delivery, General Public, Government, Private Fleets, Other <i>Assisted in organizing a CNG station opening event with GAIN Clean Fuels. Exceeded the event, recruited the Mayor of Aurora to speak, and recruited attendees.</i>	09/18/2014	Meeting - Other	50%	75
Environmental Leadership Program Participation Technology: Alternative fuel vehicles Audience: Airport, Delivery, Government, Private Fleets, Transit, Utility, Waste, Other <i>Hosted a booth at the Colorado Department of Public Health and Environment's Environmental Leadership Program breakfast where we talked with organizations about EVSE and workplace charging.</i>	10/02/2014	Literature Distribution	5%	300
Proterra Bus Demonstration Technology: Alternative fuel vehicles Audience: Airport, Government, Transit <i>Hosted a Proterra bus demonstration in the City of Boulder and invited stakeholders in the area to come drive the learn about the technology..</i>	10/08/2014	Meeting - Other	80%	20
Statewide Stakeholder Meeting and Odyssey Day Technology: Alternative fuel vehicles Audience: Airport, Delivery, Government, Private Fleets, Transit, Utility, Waste, Other <i>Held our annual statewide stakeholder meeting in conjunction with an Odyssey Day event at AIMS Community College. Odyssey Day was hosted by Northern Colorado Clean Cities, but we helped develop the agenda, recruit speakers and attendees, in addition to presenting.</i>	10/17/2014	Workshop held by coalition	35%	100
Summit County CNG Meeting Technology: Alternative fuel vehicles Audience: Government, Private Fleets, Transit, Utility, Waste <i>Organized and spoke at a CNG stakeholder meeting in Summit County</i>	10/23/2014	Meeting - Stakeholder	100%	30
NAFA Meeting Technology: Alternative fuel vehicles Audience: Government, Private Fleets <i>Presented at a NAFA meeting on available alt fuel options and incentives available.</i>	11/14/2014	Meeting - Other	5%	15
RMFMA Meeting Technology: Alternative fuel vehicles Audience: Government <i>Presented at an RMFMA Meeting</i>	11/14/2014	Meeting - Other	10%	50
Total:				8,611

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
Clean Energy Economy for the Region	\$59,580	-	\$59,580	\$35,530	\$0	\$35,530
<p>Length of grant: 2 Year grant began: 2013 Sources of the grant: Department of Energy, Congestion Mitigation and Air Quality Improvement (CMAQ) Program, State Government, Foundation or Nonprofit Partners: 4CORE, Clean Energy Economy for the Region, Colorado Energy Office, Northern Colorado Clean Cities Coalition, Southern Colorado Clean Cities Coalition, Southern Colorado Council of Governments Technologies: CNG - Compressed Natural Gas, Electricity, LNG - Liquefied Natural Gas, Propane Purpose: Energy Coaching for fleets</p> <p><i>Bring together fleets, fuel providers, local leadership, and municipalities to educate them about the benefits of alternative fuels and guide them through the process of implementing them in the most effective way. This often includes lifecycle fleet analysis, event coordination, local planning, and support building.</i></p>						
Colorado Energy Office	\$27,500	-	\$27,500	\$14,100	\$0	\$14,100
<p>Length of grant: 1 Year grant began: 2014 Sources of the grant: Department of Energy, State Government Partners: Colorado Energy Office Technologies: B100 - 100 percent Biodiesel, Biodiesel Blends, CNG - Compressed Natural Gas, E85 - 85 percent Ethanol, Electricity, H2 - Hydrogen, LNG - Liquefied Natural Gas, Propane Purpose: Develop website content for www.refuelcolorado.com</p> <p><i>Wrote all website content for www.refuelcolorado.com, which serves as the states alternative fuel one-stop-shop.</i></p>						
Total:	\$87,080	\$0	\$87,080	\$49,630	\$0	\$49,630