

2017 Transportation Technology Deployment Report:

Central Oklahoma Clean Cities (Oklahoma
City)

Expanded Edition

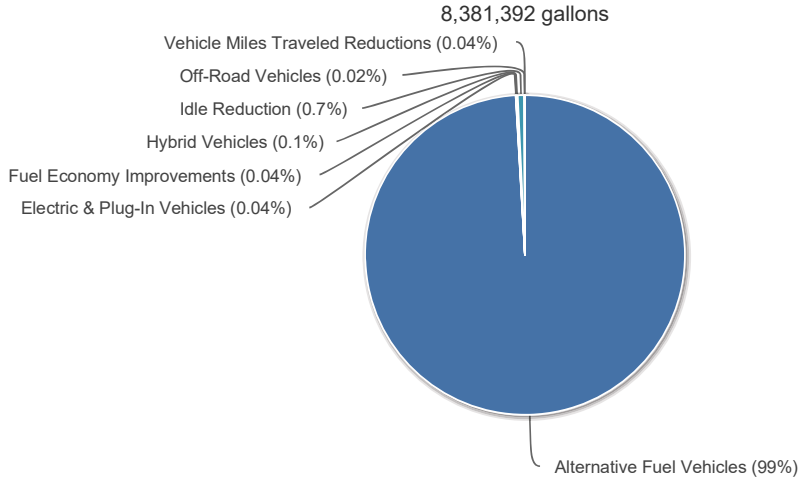
March 2018

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.

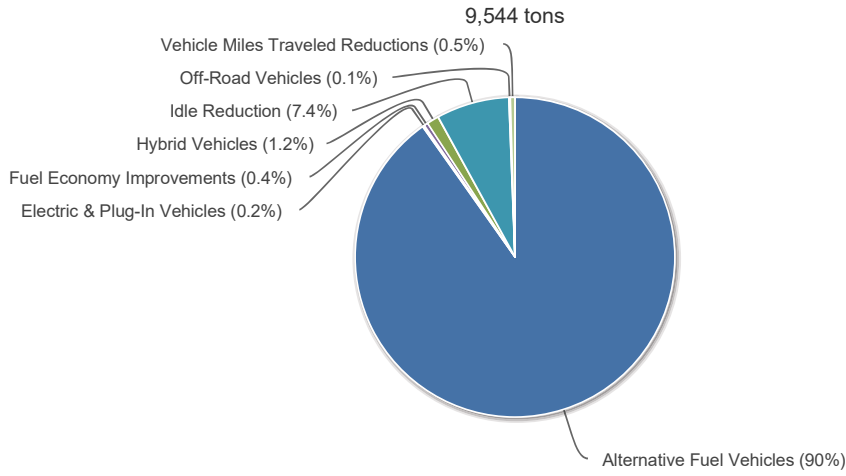
Every year, each Clean Cities coalition submits to DOE an annual report of its activities and accomplishments for the previous calendar year. Coalition coordinators, who lead the local coalitions, provide information and data via an online database managed by the National Renewable Energy Laboratory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

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

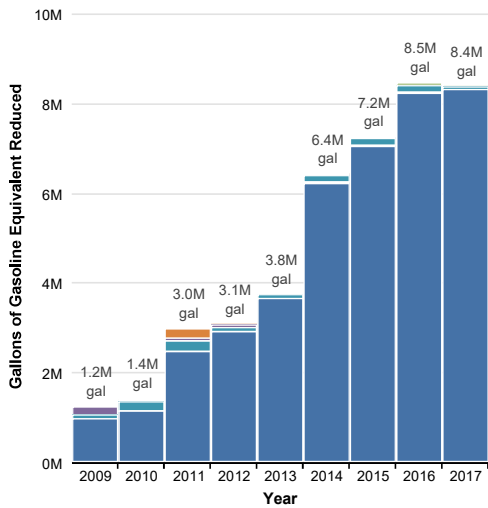
2017 Gallons of Gasoline Equivalent Reduced



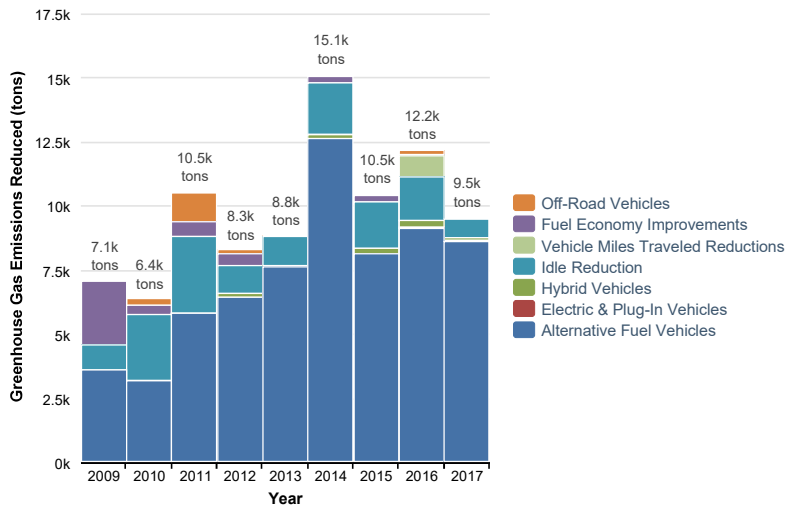
2017 Greenhouse Gas Emissions Reduced



Historical Gallons of Gasoline Equivalent Reduced

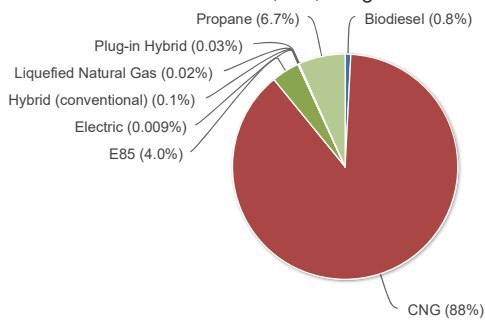


Historical Greenhouse Gas Emissions Reduced



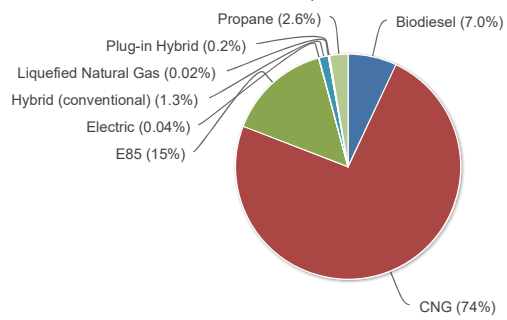
2017 Gallons of Gasoline Equivalent Reduced by Fuel Type for Alternative Fuel Projects

8,317,843 gallons



2017 Greenhouse Gas Emissions Reduced by Fuel Type for Alternative Fuel Projects

8,756 tons



Criteria Pollutant Emissions Reduced

Criteria pollutants are chemicals that have been linked to human health effects and therefore regulated in the Clean Air Act of 1970. The Clean Cities annual report calculates them using the same assumptions and default values as AFLEET 2016, with some adjustments to fit specific data inputs. They are quantified at vehicle tailpipes, as those are the emissions contributing to the regulated “ambient” air quality of a given city. This means that they omit emissions from sources such as electric power plants, refineries, and biofuel feedstock farms (where emissions are sufficiently removed from populations in order to minimize health effects). When a specific pollutant surpasses a given threshold for a given area, the area is considered to be in “nonattainment” for that pollutant. Nonattainment areas for given pollutants can be viewed at www.epa.gov/green-book. To learn more about what your emissions numbers mean, please take the Understanding Emissions or Emissions Compliance courses at [Clean Cities University](http://CleanCitiesUniversity.com).

Reductions by Fuel Type*	NOx	VOC	CO	PM10	PM2.5
Biodiesel	0 lb	0 lb	0 lb	0 lb	0 lb
CNG - Compressed Natural Gas	325,461 lb	684 lb	-716,065 lb	4 lb	3 lb
E85 - 85% Ethanol	0 lb	78 lb	0 lb	0 lb	0 lb
Electric (all-electric)	3 lb	5 lb	87 lb	0 lb	0 lb
Hybrid (conventional)	2 lb	4 lb	0 lb	0 lb	0 lb
LNG - Liquefied Natural Gas	177 lb	0 lb	-181 lb	0 lb	0 lb
Plug-in Hybrid	22 lb	34 lb	612 lb	1 lb	1 lb
Propane	30,574 lb	-2,161 lb	-52,204 lb	214 lb	50 lb
VMT Reduction (Diesel)	6 lb	1 lb	28 lb	0 lb	0 lb
Total:	356,245 lb	-1,355 lb	-767,723 lb	219 lb	54 lb

* This table accounts for criteria pollutants from alternative fuel vehicle, hybrid vehicle, and VMT reduction projects only. It does not include fuel economy, idle reduction, or off-road projects. Negative values indicate an increase in emissions.

COALITION

Central Oklahoma Clean Cities (Oklahoma City) - OK

<http://www.okcleancities.com/>

Designated: 05/29/1996

Boundaries: Counties: Canadian, Cleveland, Grady, Logan, McClain, Oklahoma, City of Oklahoma City

COORDINATORS

	Address	Telephone	Fax
Eric Pollard	4205 N Lincoln Blvd Oklahoma City, OK 73105		

Number of coordinators	1
Coordinator(s) hours per week on Clean Cities	27 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)
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Stakeholders

Number of stakeholders	105
Number of private stakeholders	65
Does the State Energy Office provide any financial support to the coalition or stakeholders?	Yes

Explain State Energy Office's support

The Central Oklahoma Clean Cities Coalition at the Association of Central Oklahoma Governments was awarded DOE-SEP funding in the amount of \$40,000 which requires \$8,000 in local match. Oklahoma's State Energy Office is housed within Oklahoma's Office of the Secretary of Energy & Environment. Administrative support on the grant is also provided by the Oklahoma Department of Commerce.

How would you rate the quality of the data on your survey?	Good
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How do you obtain most of your data for the survey?	Estimates, Paper, e-mail, or spreadsheet questionnaire to stakeholders, Phone calls to stakeholders
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Has your coalition registered with www.grants.gov ?	Yes
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2017 Outside Funding

Stakeholder dues collected	\$750
How much funding is obtained from other sources to cover coalition operating expenses?	\$40,000
Non-DOE or ARRA grant and matching funds spent in 2017	\$0
Total non-DOE or ARRA funding in 2017	\$40,750