

# 2017 Transportation Technology Deployment Report:

Alamo Area Clean Cities (San Antonio)  
Expanded Edition

March 2018

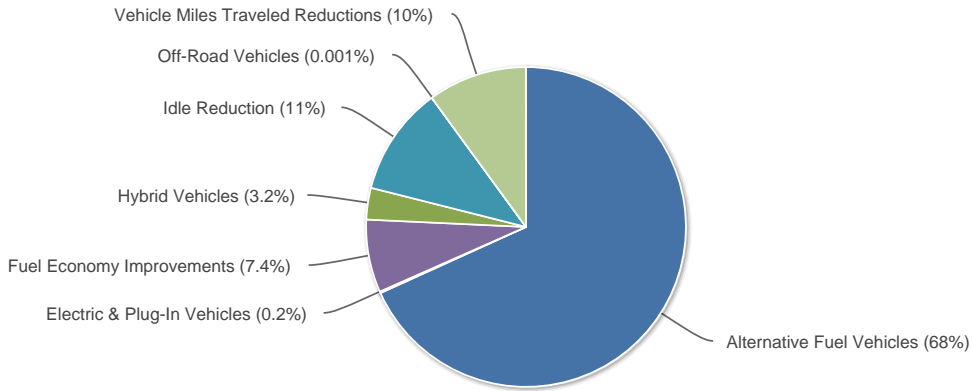
The U.S. Department of Energy's (DOE) Clean Cities program advances the nation's economic, environmental, and energy security by supporting local actions to reduce petroleum use in transportation. A national network of nearly 100 Clean Cities coalitions brings together stakeholders in the public and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

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

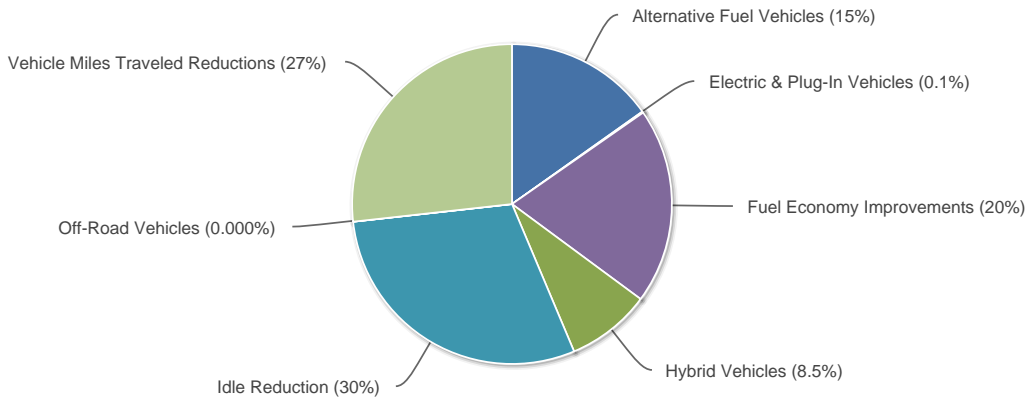
### 2017 Gallons of Gasoline Equivalent Reduced

9,959,724 gallons

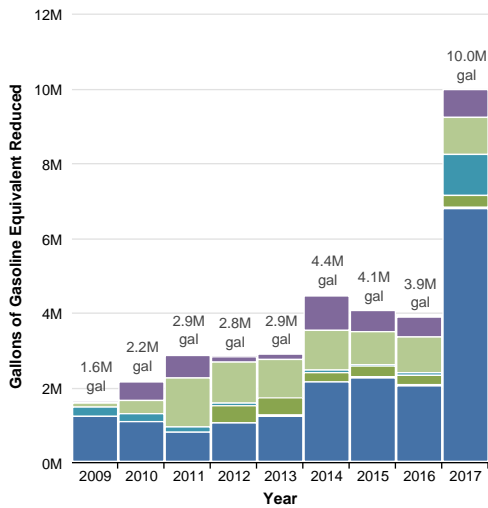


### 2017 Greenhouse Gas Emissions Reduced

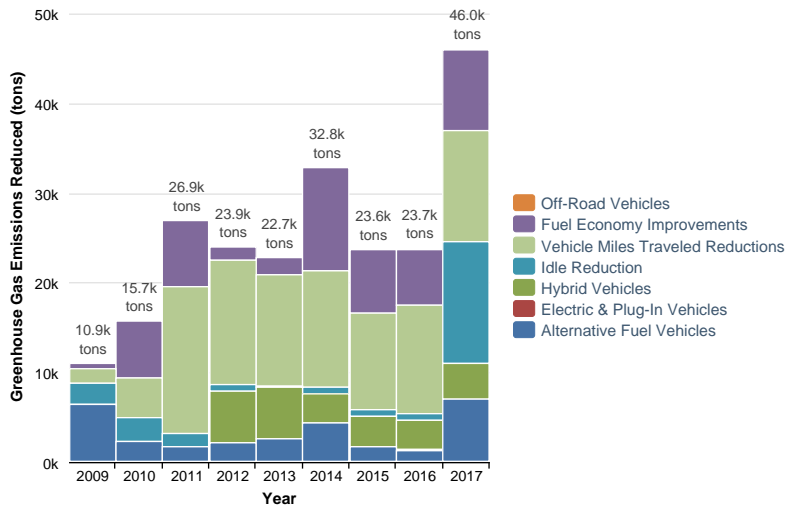
46,006 tons



### Historical Gallons of Gasoline Equivalent Reduced

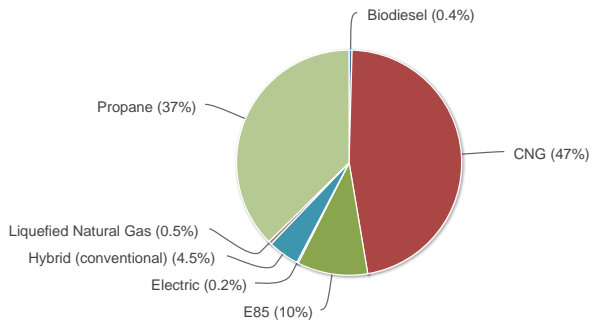


### Historical Greenhouse Gas Emissions Reduced



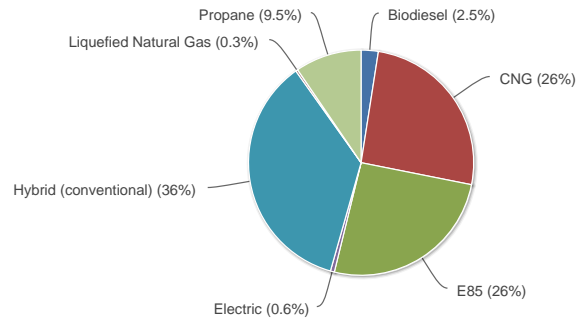
**2017 Gallons of Gasoline Equivalent Reduced by Fuel Type for Alternative Fuel Projects**

7,127,290 gallons



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

10,966 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](http://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://Clean Cities University).

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	101,522 lb	0 lb	-441,088 lb	0 lb	0 lb
E85 - 85% Ethanol	0 lb	170 lb	0 lb	0 lb	0 lb
Electric (all-electric)	804 lb	17 lb	111 lb	4 lb	3 lb
Hybrid (conventional)	151 lb	396 lb	0 lb	0 lb	0 lb
LNG - Liquefied Natural Gas	1,938 lb	0 lb	-7,859 lb	0 lb	0 lb
Propane	78,890 lb	-9,673 lb	-263,098 lb	75 lb	62 lb
VMT Reduction (Gasoline)	4,292 lb	6,858 lb	123,110 lb	1,722 lb	377 lb
<b>Total:</b>	<b>187,598 lb</b>	<b>-2,232 lb</b>	<b>-588,824 lb</b>	<b>1,800 lb</b>	<b>442 lb</b>

\* 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

## Alamo Area Clean Cities (San Antonio) - TX

<https://www.aacog.com/cleancities>

**Designated:** 11/10/1999

**Boundaries:** Counties: Atascosa, Bandera, Bexar, Comal, Frio, Gillespie, Guadalupe, Karnes, Kendall, Kerr, Medina, Wilson; City of San Antonio

## COORDINATORS

	Address	Telephone	Fax
<b>Lily Lowder</b>	Alamo Area Council of Governments 8700 Tesoro Dr, Ste 160 San Antonio, TX 78217		
<b>Number of coordinators</b>			1
<b>Coordinator(s) hours per week on Clean Cities</b>			20 hours
<b>Other staff hours per week on Clean Cities</b>			0 hours
<b>How long have you been the coordinator?</b>			1 years

## OPERATING INFORMATION

<b>Host organization</b>	Council of Governments (COG), Municipal Planning Organization (MPO), or Regional Planning Commission (RPC)
<b>Stakeholders</b>	
<b>Number of stakeholders</b>	30
<b>Number of private stakeholders</b>	10
<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>	Fair
<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>	No
<b>2017 Outside Funding</b>	
<b>Stakeholder dues collected</b>	\$50
<b>How much funding is obtained from other sources to cover coalition operating expenses?</b>	\$0
<b>Non-DOE or ARRA grant and matching funds spent in 2017</b>	\$0
<b>Total non-DOE or ARRA funding in 2017</b>	\$50

# VEHICLE & FUEL INVENTORY

## Alternative Fuel & Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Bexar County	Heavy-Duty	Biodiesel (10%)	164	100% of time	21,792 gal	190.8 tons
<p>Miles traveled per vehicle: 7,926 mi                      Average vehicle fuel economy: 7 MPG                      Market: Government - Local                      Vehicle type: Truck: No Trailer                      Percentage from coalition: 100%                      National Clean Fleets Partnership: No</p>						
Bexar County	Light-Duty	Biodiesel (10%)	98	100% of time	8,606 gal	78.7 tons
<p>Miles traveled per vehicle: 15,000 mi                      Average vehicle fuel economy: 19 MPG                      Market: Government - Local                      Vehicle type: Pickup/SUV/Van                      Percentage from coalition: 100%                      National Clean Fleets Partnership: No</p>						
Bexar County	Light-Duty	E85	240	100% of time	136,450 gal	532.3 tons
<p>Miles traveled per vehicle: 12,000 mi                      Average vehicle fuel economy: 13 MPG                      Market: Government - Local                      Vehicle type: Pickup/SUV/Van                      Percentage from coalition: 100%                      National Clean Fleets Partnership: No</p>						
Bexar County	Light-Duty	E85	155	100% of time	585,635 gal	2,284.6 tons
<p>Miles traveled per vehicle: 50,000 mi                      Average vehicle fuel economy: 8 MPG                      Market: Government - Local                      Vehicle type: Patrol Car                      Percentage from coalition: 100%                      National Clean Fleets Partnership: No</p>						
HEB	Heavy-Duty	LNG	4	54,977 gal	32,953 gal	33.1 tons
<p>Market: Corporate Fleet                      Vehicle type: Truck: Semi-trailer                      Percentage from coalition: 100%                      National Clean Fleets Partnership: No</p>						
Northside Independent School District	Heavy-Duty	Propane	600	100% of time	1,264,536 gal	495.7 tons
<p>Miles traveled per vehicle: 12,000 mi                      Average vehicle fuel economy: 6 MPGde                      Market: Government - Local                      Vehicle type: Bus: School                      Percentage from coalition: 100%                      National Clean Fleets Partnership: No</p>						
San Antonio ISD	Heavy-Duty	Propane	11	100% of time	23,183 gal	9.1 tons
<p>Miles traveled per vehicle: 12,000 mi                      Average vehicle fuel economy: 6 MPGde                      Market: Government - Local                      Vehicle type: Bus: School                      Percentage from coalition: 100%                      National Clean Fleets Partnership: No</p> <p><i>Agreement to purchase fuel through City of San Antonio and VIA Metropolitan Transit</i></p>						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
San Antonio Missions National Historical Park	Light-Duty	CNG	1	100% of time	1 gal	0.0 tons
Miles traveled per vehicle: 24 mi Average vehicle fuel economy: 17 MPGge Market: National Parks Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No						
San Antonio Missions National Historical Park	Light-Duty	Propane	5	100% of time	1,994 gal	2.8 tons
Miles traveled per vehicle: 6,818 mi Average vehicle fuel economy: 17 MPGge Market: National Parks Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No						
SAWS	Heavy-Duty	Propane	7	100 gal	68 gal	0.0 tons
Market: Corporate Fleet Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No						
Schwan's - Medium-duty Propane	Heavy-Duty	Propane	14	60,315 gal	41,093 gal	16.1 tons
Market: Corporate Fleet Vehicle type: Truck: No Trailer Percentage from coalition: 100% National Clean Fleets Partnership: Yes						
UPS - Heavy-duty CNG	Heavy-Duty	CNG	72	487,591 GGE	438,832 gal	369.5 tons
Market: Corporate Fleet Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: Yes <i>This includes class 4-6 package delivery trucks and class 7-8 tractors</i>						
VIA Metropolitan Transit	Heavy-Duty	CNG	308	100% of time	2,904,855 gal	2,445.9 tons
Miles traveled per vehicle: 28,981 mi Average vehicle fuel economy: 3 MPGde Market: Corporate Fleet Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No						
VIA Metropolitan Transit	Heavy-Duty	Propane	12	100% of time	292,529 gal	114.7 tons
Miles traveled per vehicle: 31,285 mi Average vehicle fuel economy: 1 MPGde Market: Corporate Fleet Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No						



Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
VIA Metropolitan Transit	Heavy-Duty	Propane	118	100% of time	1,040,527 gal	407.9 tons
Miles traveled per vehicle: 49,411 mi Average vehicle fuel economy: 6 MPGde Market: Corporate Fleet Vehicle type: Bus: Shuttle Percentage from coalition: 100% National Clean Fleets Partnership: No						
<b>Total:</b>			<b>1,809</b>		<b>6,793,054 gal</b>	<b>6,981 tons</b>

## Electric, Hybrid & Plug-in Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Bexar County	Heavy-Duty	HEV	3	845 gal	10.4 tons
Average vehicle fuel economy: 15 MPG Miles traveled per vehicle per year: 3,000 mi Market: Government - Local Vehicle type: Truck: No Trailer Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:					
Bexar County	Light-Duty	HEV	7	1,972 gal	24.3 tons
Average vehicle fuel economy: 33 MPG Miles traveled per vehicle per year: 10,000 mi Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:					
Bexar County	Light-Duty	HEV	4	1,101 gal	13.6 tons
Average vehicle fuel economy: 55 MPG Miles traveled per vehicle per year: 11,048 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:					
City of San Antonio	Light-Duty	HEV	444	104,234 gal	1,283.9 tons
Average vehicle fuel economy: 55 MPG Miles traveled per vehicle per year: 9,420 mi Market: Government - Local Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:					
City of San Antonio	Light-Duty	HEV	15	3,480 gal	42.9 tons
Average vehicle fuel economy: 30 MPG Miles traveled per vehicle per year: 9,227 mi Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:					
San Antonio Missions National Historical Park	Light-Duty	Electric	3	2 gal	0.0 tons
Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 15 mi Market: National Parks Vehicle type: Low-Speed/Neighborhood Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:					

<b>Fleet/Station Name</b>	<b>Vehicle Class</b>	<b>Fuel</b>	<b>Number of Vehicles</b>	<b>GGE Reduced</b>	<b>GHG Reduced</b>
San Antonio Missions National Historical Park Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 610 mi Market: Government - Local Vehicle type: Low-Speed/Neighborhood Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:	Light-Duty	Electric	1	105 gal	0.5 tons
San Antonio Missions National Historical Park Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 2,297 mi Market: National Parks Vehicle type: Car Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:	Light-Duty	Electric	1	99 gal	0.5 tons
San Antonio Missions National Historical Park Average vehicle fuel economy: 33 MPG Miles traveled per vehicle per year: 12,138 mi Market: National Parks Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:	Light-Duty	HEV	3	1,026 gal	12.6 tons
SAWS Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 5,000 mi Market: Government - Local Vehicle type: Unknown/Other Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:	Heavy-Duty	Electric	15	12,931 gal	51.8 tons
SAWS Average vehicle fuel economy: 35 MPG Miles traveled per vehicle per year: 11,718 mi Market: Government - Local Vehicle type: Pickup/SUV/Van Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:	Light-Duty	HEV	31	10,864 gal	133.8 tons
VIA Metropolitan Transit Average electric fuel economy: - kWh/100mi Miles traveled per vehicle per year: 3,000 mi Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:	Heavy-Duty	Electric	3	2,647 gal	10.6 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
VIA Metropolitan Transit	Heavy-Duty	HEV	30	194,794 gal	2,399.4 tons
Average vehicle fuel economy: 5 MPG Miles traveled per vehicle per year: 62,351 mi Market: Government - Local Vehicle type: Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No Workplace Charging Challenge:					
<b>Total:</b>			<b>560</b>	<b>334,102 gal</b>	<b>3,984 tons</b>

## Off-Road Vehicles

Fleet Name	Application	Method	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
San Antonio Missions National Historical Park	Landscaping and lawn equipment	Alternative fuel or vehicles	Propane	4	129 gal	0.1 tons
Fuel used: 190 gal Percentage from coalition: 100% National Clean Fleets Partnership: No						
San Antonio Missions National Historical Park	Forklifts	Alternative fuel or vehicles	Propane	1	5 gal	0.0 tons
Fuel used: 8 gal Percentage from coalition: 100% National Clean Fleets Partnership: No						
<b>Total:</b>				<b>5</b>	<b>135 gal</b>	<b>0 tons</b>

## FUEL ECONOMY

### Fuel Economy Improvements

Fleet Name	Previous Fuel	Current Fuel	Number of Vehicles	Miles Traveled per Vehicle	GGE Reduced	GHG Reduced
HEB	12 MPG	15 MPG	516	12,500 mi	118,945 gal	1,474.9 tons
Method: Tires - Low-rolling resistance Vehicle class: Heavy-Duty Market: Corporate Fleet Vehicle type: Truck: No Trailer Percentage from coalition: 100% National Clean Fleets Partnership: No						
HEB	5 MPG	6 MPG	516	12,500 mi	376,325 gal	4,666.5 tons
Method: Telematics Vehicle class: Heavy-Duty Market: Corporate Fleet Vehicle type: Truck: No Trailer Percentage from coalition: 100% National Clean Fleets Partnership: No						

Fleet Name	Previous Fuel	Current Fuel	Number of Vehicles	Miles Traveled per Vehicle	GGE Reduced	GHG Reduced
San Antonio Independent School District	4 MPG	6 MPG	260	10,000 mi	239,735 gal	2,972.8 tons
Method: Telematics Vehicle class: Heavy-Duty Market: Government - Local Vehicle type: Bus: School Percentage from coalition: 100% National Clean Fleets Partnership: No						
<b>Total:</b>			<b>1,292</b>	<b>35,000 mi</b>	<b>735,005 gal</b>	<b>9,114 tons</b>

## Vehicle Miles Traveled Reductions

Project Name	Method	Vehicle Class	GGE Reduced	GHG Reduced
Commuter Solutions program (AACOG)	Vanpooling	Light-Duty	275,803 gal	3,397.3 tons
Fuel saved: 275,803 gallons Percentage from coalition: 100% National Clean Fleets Partnership: No <i>The Clean Cities coordinator personally manages the Commuter Solutions program and is actively leveraging synergies between the two programs. *I asked Caley Johnson about including these stats in the Clean Cities Annual Report. He recommended to include this disclaimer and it will be reviewed by the DOE.</i>				
Commuter Solutions program (AACOG)	Carpooling	Light-Duty	393,707 gal	4,849.6 tons
Fuel saved: 393,707 gallons Percentage from coalition: 100% National Clean Fleets Partnership: No <i>The Clean Cities coordinator personally manages the Commuter Solutions program and is actively leveraging synergies between the two programs. *I asked Caley Johnson about including these stats in the Clean Cities Annual Report. He recommended to include this disclaimer and it will be reviewed by the DOE.</i>				
Commuter Solutions program (AACOG)	Non-motorized locomotion (e.g., bicycles)	Light-Duty	15,241 gal	187.7 tons
Fuel saved: 15,241 gallons Percentage from coalition: 100% National Clean Fleets Partnership: No <i>The Clean Cities coordinator personally manages the Commuter Solutions program and is actively leveraging synergies between the two programs. *I asked Caley Johnson about including these stats in the Clean Cities Annual Report. He recommended to include this disclaimer and it will be reviewed by the DOE.</i>				
Commuter Solutions program (AACOG)	Mass transit	Light-Duty	100,300 gal	1,235.5 tons
Fuel saved: 100,300 gallons Percentage from coalition: 100% National Clean Fleets Partnership: No <i>The Clean Cities coordinator personally manages the Commuter Solutions program and is actively leveraging synergies between the two programs. *I asked Caley Johnson about including these stats in the Clean Cities Annual Report. He recommended to include this disclaimer and it will be reviewed by the DOE.</i>				
Commuter Solutions program (AACOG)	Compressed work week	Light-Duty	3,037 gal	37.4 tons
Fuel saved: 3,037 gallons Percentage from coalition: 100% National Clean Fleets Partnership: No <i>The Clean Cities coordinator personally manages the Commuter Solutions program and is actively leveraging synergies between the two programs. *I asked Caley Johnson about including these stats in the Clean Cities Annual Report. He recommended to include this disclaimer and it will be reviewed by the DOE.</i>				
Commuter Solutions program (AACOG)	Telecommute	Light-Duty	211,227 gal	2,601.8 tons
Fuel saved: 211,227 gallons Percentage from coalition: 100% National Clean Fleets Partnership: No <i>The Clean Cities coordinator personally manages the Commuter Solutions program and is actively leveraging synergies between the two programs. *I asked Caley Johnson about including these stats in the Clean Cities Annual Report. He recommended to include this disclaimer and it will be reviewed by the DOE.</i>				
<b>Total:</b>			<b>999,315 gal</b>	<b>12,309 tons</b>

# IDLE REDUCTION

## Idle Reduction

Project Name	Number of Vehicles	Idling Reduced per Vehicle	Fuel Saved per Vehicle	GGE Reduced	GHG Reduced
<b>Bandera Independent School District</b>  Type of project: Policies Type of vehicle: Heavy-Duty - Bus: School Percentage from coalition: 100% National Clean Fleets Partnership: No	47	6 mins/day 176 days/year	0 gal/hr	364 gal	4.5 tons
<b>City of San Antonio</b>  Type of project: Policies Type of vehicle: Heavy-Duty - Truck: Delivery Percentage from coalition: 100% National Clean Fleets Partnership: No	187	5 mins/day 280 days/year	1 gal/hr	3,665 gal	45.4 tons
<b>Edgewood Independent School District</b>  Type of project: Policies Type of vehicle: Heavy-Duty - Bus: School Percentage from coalition: 100% National Clean Fleets Partnership: No	37	3 mins/day 180 days/year	0 gal/hr	147 gal	1.8 tons
<b>HEB</b>  Type of project: Policies Type of vehicle: Heavy-Duty - Other Percentage from coalition: 100% National Clean Fleets Partnership: No	516	6 mins/day 260 days/year	1 gal/hr	11,269 gal	139.7 tons
<b>Kerrville Independent School District</b>  Type of project: Policies Type of vehicle: Heavy-Duty - Bus: School Percentage from coalition: 100% National Clean Fleets Partnership: No	40	5 mins/day 180 days/year	0 gal/hr	264 gal	3.3 tons
<b>Northeast Independent School District</b>  Type of project: Policies Type of vehicle: Heavy-Duty - Bus: School Percentage from coalition: 100% National Clean Fleets Partnership: No	450	3 mins/day 180 days/year	0 gal/hr	1,782 gal	22.1 tons
<b>San Antonio Independent School District</b>  Type of project: Policies Type of vehicle: Heavy-Duty - Bus: School Percentage from coalition: 100% National Clean Fleets Partnership: No	165	5 mins/day 180 days/year	0 gal/hr	1,089 gal	13.5 tons
<b>San Antonio Missions National Historical Park</b>  Type of project: Policies Type of vehicle: Light-Duty Percentage from coalition: 100% National Clean Fleets Partnership: No	23	10 mins/day 260 days/year	0 gal/hr	389 gal	4.8 tons

Project Name	Number of Vehicles	Idling Reduced per Vehicle	Fuel Saved per Vehicle	GGE Reduced	GHG Reduced
VIA Metropolitan Transit	508	360 mins/day 365 days/year	1 gal/hr	1,079,144 gal	13,381.6 tons
Type of project: Automatic engine shutoff Type of vehicle: Heavy-Duty - Bus: Transit Percentage from coalition: 100% National Clean Fleets Partnership: No					
<b>Total:</b>	<b>1,973</b>			<b>1,098,113 gal</b>	<b>13,617 tons</b>

## FUEL STATIONS

### New Stations

Fuel	Public Stations	Private Stations
Biodiesel	-	-
CNG - Compressed Natural Gas	-	1
E85 - 85% Ethanol	-	-
Electric Charging Outlets	-	2
Hydrogen	-	-
LNG - Liquefied Natural Gas	-	-
Propane	-	1
<b>Total:</b>	<b>0</b>	<b>4</b>

## OUTREACH ACTIVITIES

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Meeting with Alamo Regional Transit <b>Technology:</b> Idle reduction, Natural gas vehicles <b>Audience:</b> Government, Transit	01/13/2017	Meeting - Stakeholder	100%	4
Conference Call w/ Texas Clean Air Working Group <b>Technology:</b> Electric vehicles, Hybrid electric vehicles, Natural gas vehicles <b>Audience:</b> Government, Transit, Other	02/09/2017	Meeting - Other	5%	35
Centex meeting <b>Technology:</b> Natural gas vehicles, Propane <b>Audience:</b> Government, Transit	02/21/2017	Meeting - Other	20%	25
Conference Call on EV Carsharing <b>Technology:</b> Electric vehicles, Hybrid electric vehicles <b>Audience:</b> General Public, Other	03/02/2017	Meeting - Other	10%	15
Meeting with CPS Energy <b>Technology:</b> Electric vehicles, Fuel economy improvements, Hybrid electric vehicles, Natural gas vehicles <b>Audience:</b> Government, Utility	03/07/2017	Meeting - Stakeholder	100%	2
San Antonio Innotech Conference <b>Technology:</b> Electric vehicles, Fuel economy improvements, Hybrid electric vehicles <b>Audience:</b> General Public, Other	04/12/2017, 04/13/2017	Conference participation	5%	20
Meeting with Port San Antonio <b>Technology:</b> Electric vehicles, Hybrid electric vehicles, Vehicle miles traveled reduction <b>Audience:</b> Other	04/26/2017	Meeting - Stakeholder	50%	4

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Conference Call w/ Mayor Adler & Texas Clean Air Working Group <b>Technology:</b> Electric vehicles, Hybrid electric vehicles, Idle reduction, Natural gas vehicles, Propane <b>Audience:</b> Delivery, General Public, Government, Private Fleets, Transit, Utility, Other	05/31/2017	Conference participation	10%	35
Presentation to Greater SA Chamber of Commerce Energy & Sustainability Committee <b>Technology:</b> E85, Electric vehicles, Hybrid electric vehicles, Natural gas vehicles, Propane <b>Audience:</b> Other	06/08/2017	Meeting - Other	25%	20
Boerne Drive Electric Day <b>Technology:</b> Electric vehicles, Hybrid electric vehicles <b>Audience:</b> General Public	06/17/2017	Conference participation	15%	150
Presentation to Greater Bexar County Council of Cities <b>Technology:</b> E85, Electric vehicles, Hybrid electric vehicles, Natural gas vehicles, Propane <b>Audience:</b> Government	06/19/2017	Meeting - Other	15%	40
Smart Cities Conference <b>Technology:</b> Electric vehicles, Fuel economy improvements, Hybrid electric vehicles <b>Audience:</b> General Public, Other	06/26/2017	Conference participation	20%	50
Volkswagen Public Fleet Workshop <b>Technology:</b> Biodiesel, E85, Electric vehicles, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Natural gas vehicles, Propane, Vehicle miles traveled reduction <b>Audience:</b> Government, Transit	06/27/2017	Workshop held by coalition	100%	40
Meeting with University of Texas at San Antonio <b>Technology:</b> Electric vehicles, Hybrid electric vehicles, Natural gas vehicles <b>Audience:</b> Government, Transit	07/12/2017	Meeting - Stakeholder	50%	5
Texas Natural Gas Foundation - Volkswagen Workshop <b>Technology:</b> Natural gas vehicles, Propane <b>Audience:</b> Government, Private Fleets	07/27/2017	Conference participation	10%	30
Meeting with City of San Antonio Office of Innovation <b>Technology:</b> Electric vehicles, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction <b>Audience:</b> Government	08/29/2017	Meeting - Stakeholder	100%	3
Presentation to New Braunfels Chamber of Commerce <b>Technology:</b> Electric vehicles, Hybrid electric vehicles, Natural gas vehicles, Propane <b>Audience:</b> General Public, Government, Private Fleets, Utility	09/07/2017	Meeting - Other	25%	35
Drive Electric Day - San Antonio <b>Technology:</b> Electric vehicles, Hybrid electric vehicles <b>Audience:</b> General Public	09/16/2017	Workshop held by coalition	100%	1,500
Smart Cities Lunch <b>Technology:</b> Electric vehicles, Fuel economy improvements, Hybrid electric vehicles, Idle reduction, Vehicle miles traveled reduction <b>Audience:</b> General Public, Government, Private Fleets, Other	09/21/2017	Meeting - Other	15%	15
Smart Cities Luncheon, hosted by University of Texas at San Antonio <b>Technology:</b> Electric vehicles, Fuel economy improvements, Hybrid electric vehicles <b>Audience:</b> General Public, Government	10/03/2017	Meeting - Other	5%	45

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Conference Call w/ Electrification Coalition <b>Technology:</b> Electric vehicles, Hybrid electric vehicles <b>Audience:</b> Other	10/19/2017	Meeting - Other	100%	2
Texas Energy Summit  <b>Technology:</b> Fuel economy improvements, Hybrid electric vehicles, Idle reduction <b>Audience:</b> Airport, General Public, Government, Private Fleets, Transit, Utility, Other	11/13/2017, 11/14/2017, 11/15/2017	Conference participation	10%	250
Presentation at Alternative Fueling Facilities Grant Program Workshop <b>Technology:</b> Biodiesel, E85, Electric vehicles, Hydrogen, Natural gas vehicles, Propane <b>Audience:</b> Government, Private Fleets, Utility, Other	11/20/2017	Meeting - Other	15%	25
VW Interview w/ SA Business Journal <b>Technology:</b> E85, Electric vehicles, Idle reduction, Natural gas vehicles, Propane <b>Audience:</b> General Public	12/21/2017	Media Event	100%	4
<b>Total:</b>				<b>2,354</b>