U.S. DEPARTMENT OF ENERGY | Energy Efficiency & Renewable Energy

2022 Transportation Technology Deployment Report:

Alamo Area Clean Cities (San Antonio)

Expanded Edition

March 2023

Clean Cities
U.S. Department of Energy

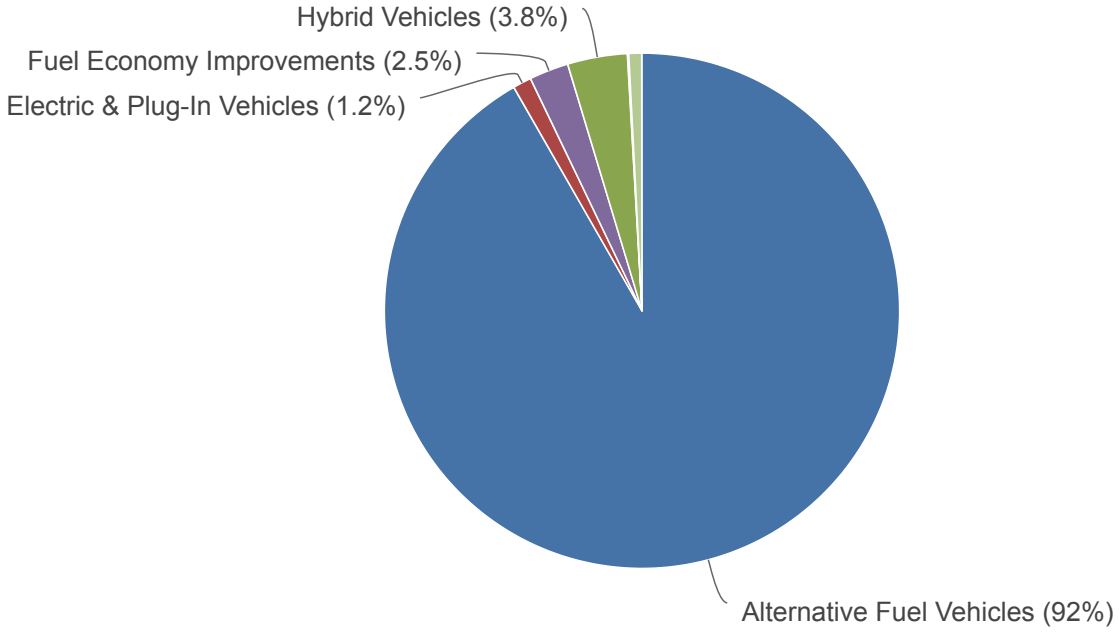
The U.S. Department of Energy's (DOE) Clean Cities Coalition Network fosters the nation's economic, environmental, and energy security by working locally to advance affordable, domestic transportation fuels, energy efficient mobility systems, and other fuel-saving technologies and practices. A national network of more than 75 active coalitions serve as the foundation of Clean Cities by working in communities across the country to implement alternative fuels, fuel-saving technologies and practices, and new mobility choices.

Every year, each Clean Cities coalition submits to DOE an annual report of its activities and accomplishments for the previous calendar year. Coalition directors, 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 coalition directors also submit data on the sales of alternative fuels, deployment of alternative fuel vehicles, idle-reduction initiatives, fuel economy activities, and efforts to reduce vehicle miles traveled. NREL and DOE analyze the data and translate them into energy use impact, greenhouse gas reduction, and other metrics to show progress supporting the Clean Cities mission for individual coalitions and the network as a whole. This report summarizes those impacts for Alamo Area Clean Cities (San Antonio).

To view aggregated data for all local coalitions in the network, visit cleancities.energy.gov/accomplishments.

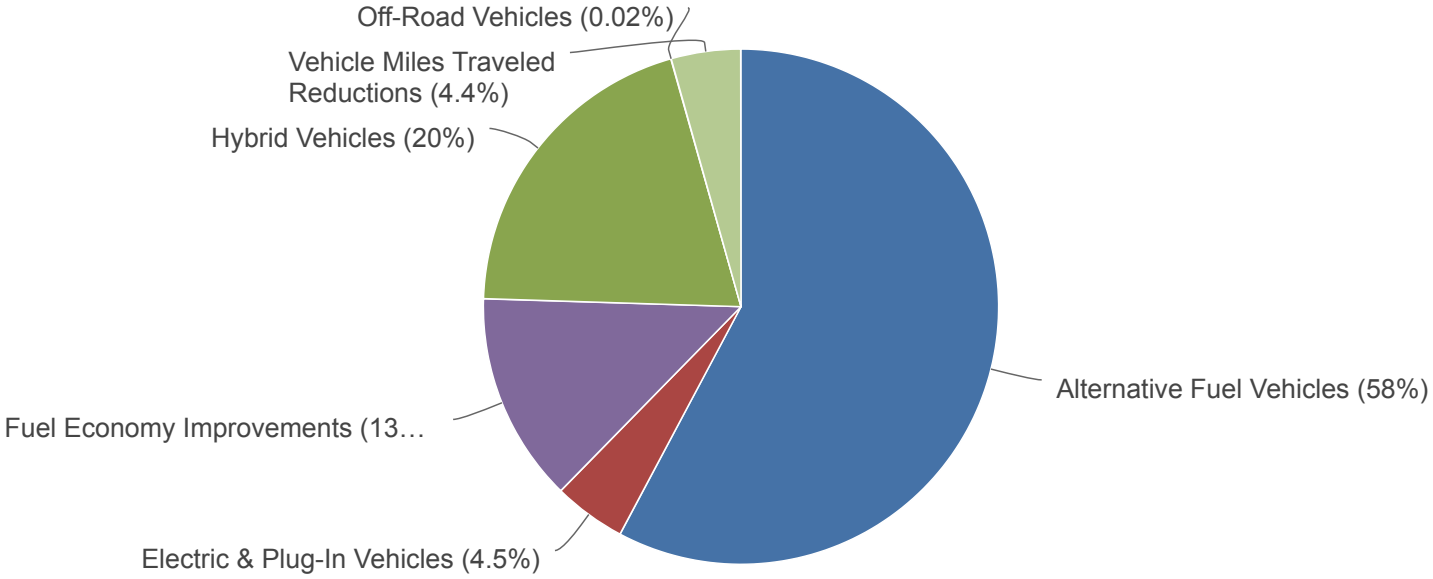
2022 Gallons of Gasoline Equivalent Reduced

4,334,919 gallons

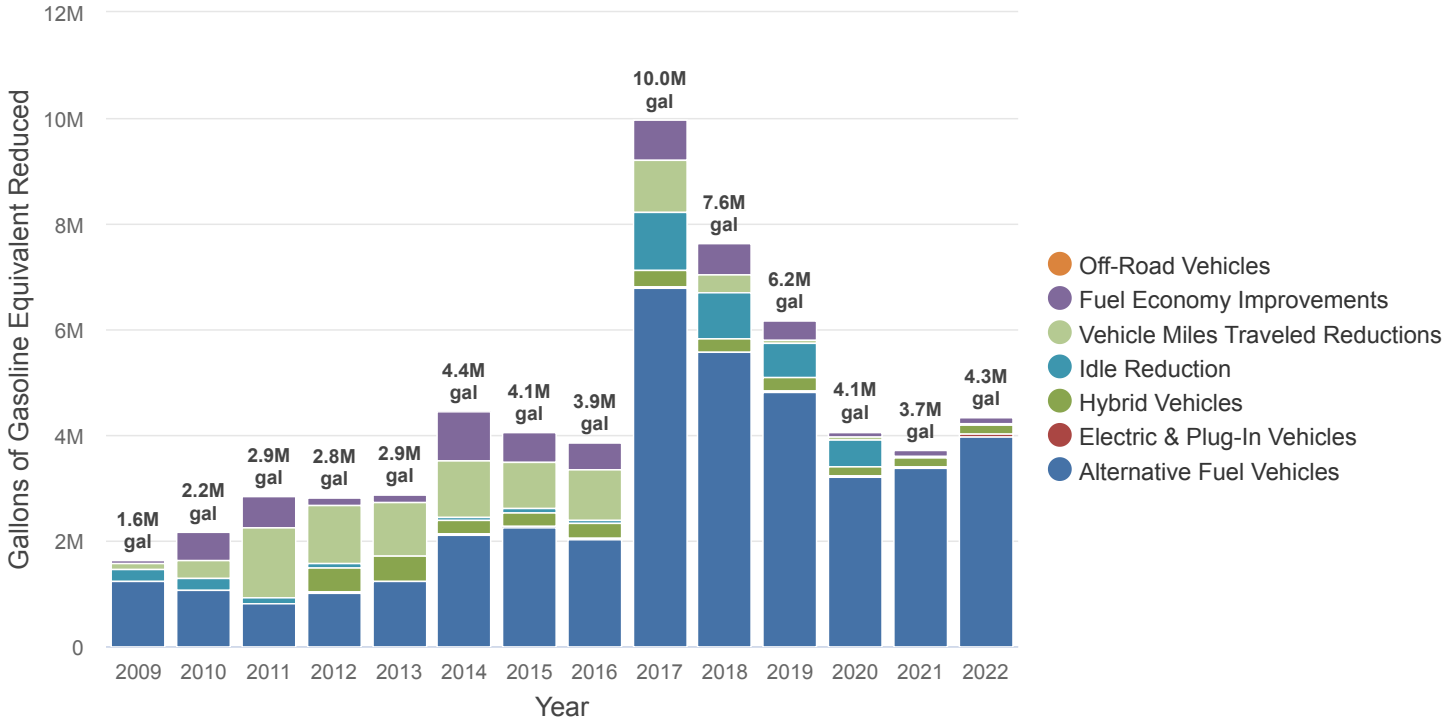


2022 Greenhouse Gas Emissions Reduced

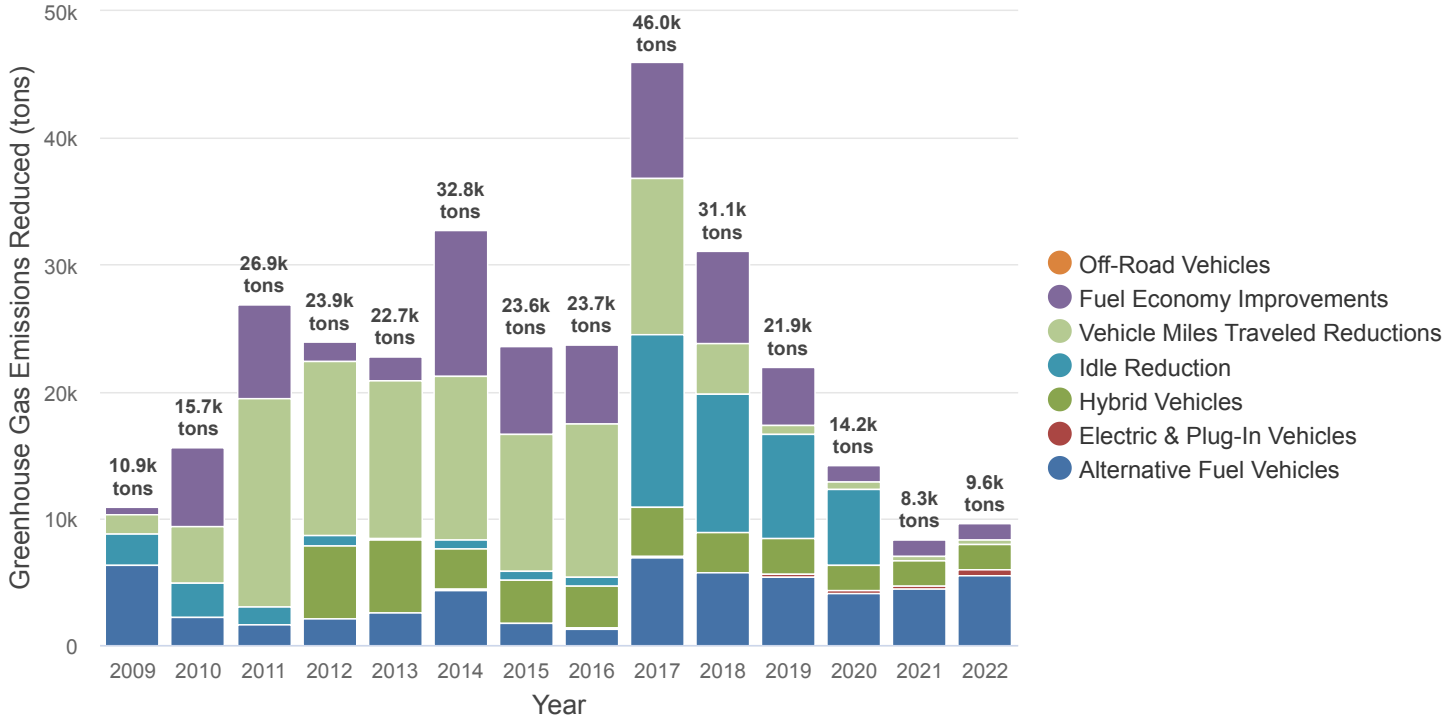
9,615 tons



Historical Gallons of Gasoline Equivalent Reduced

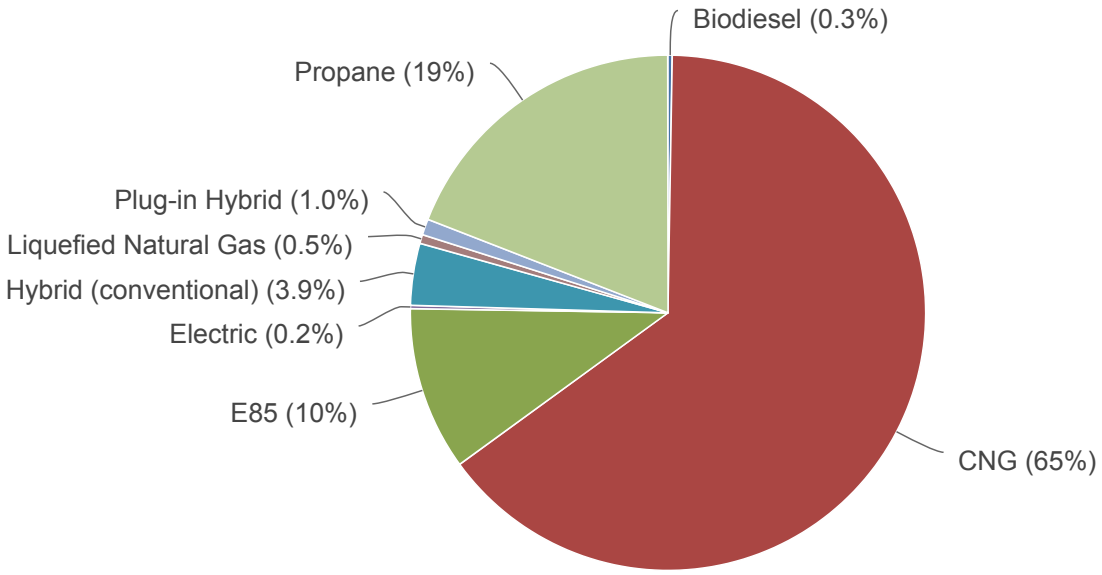


Historical Greenhouse Gas Emissions Reduced



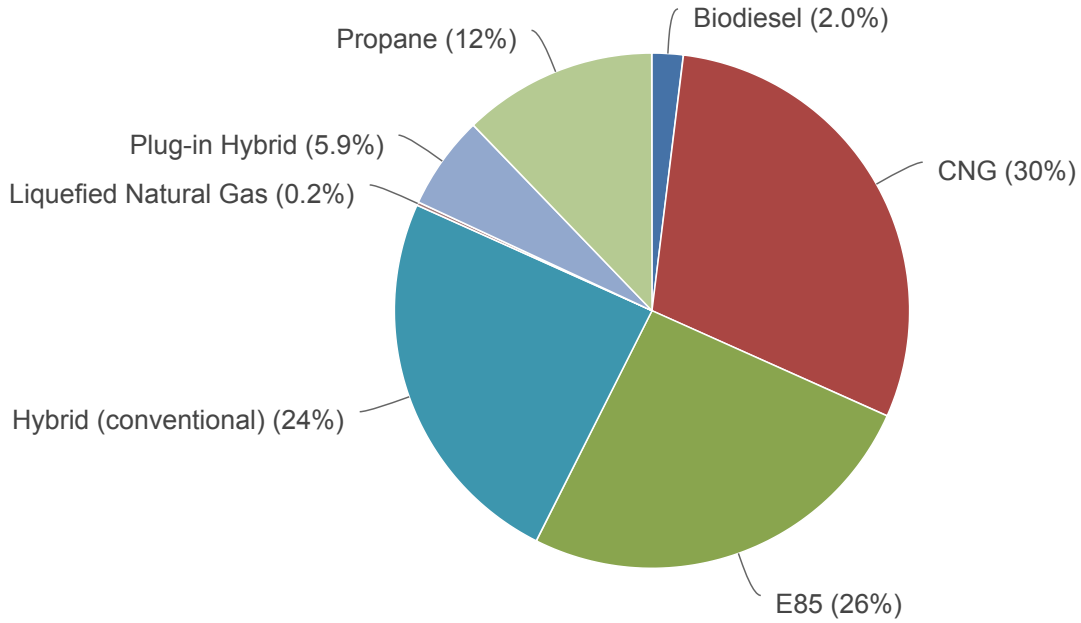
2022 Gallons of Gasoline Equivalent Reduced by Fuel Type for Alternative Fuel Projects

4,192,724 gallons



2022 Greenhouse Gas Emissions Reduced by Fuel Type for Alternative Fuel Projects

7,930 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. Criteria pollutants include nitrogen oxides (NOx) and volatile organic compounds (VOC), both precursors to ozone pollution or smog. They also include particulate matter (PM) grouped into 10 and 2.5 micron sizes. 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. Upstream emissions from electric power plants, refineries, and biofuel feedstock farms are not included in this summary since those operations typically do not take place in or near population centers where the vehicles are operated and health effects can be documented. 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.

Reductions by Technology	CO	NOx	VOC*	PM10	PM2.5
Alternative Fuel Vehicles - Biodiesel	-247 lb	-27 lb	285 lb	0 lb	-1 lb
Alternative Fuel Vehicles - CNG	53,984 lb	3,675 lb	1,854 lb	326 lb	179 lb
Alternative Fuel Vehicles - E85	-47 lb	-2 lb	383 lb	0 lb	0 lb
Alternative Fuel Vehicles - LNG	526 lb	33 lb	19 lb	4 lb	2 lb
Alternative Fuel Vehicles - Propane	1,068 lb	118 lb	4,414 lb	1 lb	3 lb
Electric, Hybrid & Plug-in Vehicles - Electric	1,655 lb	77 lb	76 lb	-17 lb	-2 lb
Electric, Hybrid & Plug-in Vehicles - HEV	29,791 lb	1,377 lb	1,635 lb	252 lb	103 lb
Electric, Hybrid & Plug-in Vehicles - PHEV	6,646 lb	296 lb	571 lb	51 lb	21 lb
Fuel Economy Improvements	20,387 lb	952 lb	935 lb	171 lb	70 lb
Off-Road Vehicles	74 lb	5 lb	3 lb	0 lb	0 lb
Vehicle Miles Traveled Reductions	5,546 lb	246 lb	490 lb	48 lb	19 lb
Total:	**119,384 lb**	**6,751 lb**	**10,664 lb**	**836 lb**	**396 lb**

* VOC is interchangeable with NMOG (non-methane organic gases) and NMHC (non-methane hydrocarbons) for all purposes relevant to the Clean Cities suite of technologies.

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

DIRECTORS

	Address	Telephone	Fax
Lyle Hufstetler	Alamo Area Council of Governments 2700 NE Loop 410, Suite 101 San Antonio, TX 78217	210-362-5225	

Number of coalition directors	1
Coalition director(s) hours per week on Clean Cities	30 hours
Other staff hours per week on Clean Cities	5 hours
How long have you been the coalition director?	4 years

OPERATING INFORMATION

Coalition organizational structure	Hosted in a planning organization (COG/MPO/RPC)
Does the coalition have a non-profit governing board?	No
Does the coalition have a non-governing advisory committee?	No

Stakeholders

Number of stakeholders	30
Number of private stakeholders	10
Stakeholder counting notes	
Does the State Energy Office provide any financial support to the coalition or stakeholders?	No
How do you obtain most of your data for the survey?	Coalition records, Estimates, Online questionnaire to stakeholders (SurveyMonkey, Google Forms, etc), Paper, e-mail, or spreadsheet questionnaire to stakeholders, Phone calls to stakeholders
Has your coalition registered with www.grants.gov?	Yes

2022 Outside Funding

Stakeholder dues collected	-
How much funding is obtained from other sources to cover coalition operating expenses?	-

Non-DOE or ARRA grant and matching funds spent in 2022	$0
Total non-DOE or ARRA funding in 2022	**$0**

VEHICLE & FUEL INVENTORY

Alternative Fuel & Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Alamo Heights ISD	Heavy-Duty	Propane	1	100% of time	188 gal	N/A
Miles traveled per vehicle: 6,628 mi **Average vehicle fuel economy:** 22 MPGde **Market:** Government - Local **Vehicle type:** Bus: School **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
* GHG emissions *for this project* are not estimated to be less than an equivalent diesel fleet. If LPG vehicles replace gasoline, please change vehicle type from HDV to LDV.						
Bexar County	Heavy-Duty	Biodiesel (10%)	164	100% of time	7,487 gal	54.7 tons
Miles traveled per vehicle: 7,926 mi **Average vehicle fuel economy:** 7 MPG **Market:** Government - Local **Vehicle type:** Truck: No Trailer **Percentage from coalition:** 40% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
Bexar County	Light-Duty	Biodiesel (10%)	98	100% of time	3,896 gal	101.5 tons
Miles traveled per vehicle: 15,000 mi **Average vehicle fuel economy:** 19 MPG **Market:** Government - Local **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 40% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
Bexar County	Light-Duty	E85 (blender pump)	240	100% of time	49,597 gal	236.2 tons
Miles traveled per vehicle: 12,000 mi **Average vehicle fuel economy:** 13 MPG **Market:** Government - Local **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 40% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
Bexar County	Light-Duty	E85 (blender pump)	155	100% of time	216,246 gal	1,029.7 tons
Miles traveled per vehicle: 50,000 mi **Average vehicle fuel economy:** 8 MPG **Market:** Government - Local **Vehicle type:** Patrol Car **Percentage from coalition:** 40% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
Boerne ISD	Heavy-Duty	Propane	5	100% of time	9,519 gal	N/A

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Miles traveled per vehicle: 21,121 mi **Average vehicle fuel economy:** 7 MPGde **Market:** Government - Local **Vehicle type:** Bus: School **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
* GHG emissions *for this project* are not estimated to be less than an equivalent diesel fleet. If LPG vehicles replace gasoline, please change vehicle type from HDV to LDV.						
CPS Energy	Heavy-Duty	E85	70	5% of time	2,657 gal	12.7 tons
Miles traveled per vehicle: 15,000 mi **Average vehicle fuel economy:** 5 MPG **Market:** Utility **Vehicle type:** Truck: No Trailer **Percentage from coalition:** 45% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
CPS Energy	Light-Duty	CNG	2	100% of time	71 gal	0.1 tons
Miles traveled per vehicle: 2,000 mi **Average vehicle fuel economy:** 24 MPGge **Market:** Utility **Vehicle type:** Car **Percentage from coalition:** 45% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
CPS Energy	Light-Duty	CNG	9	5% of time	111 gal	0.2 tons
Miles traveled per vehicle: 10,000 mi **Average vehicle fuel economy:** 17 MPGge **Market:** Utility **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 45% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
CPS Energy	Light-Duty	E85	187	20% of time	8,695 gal	41.4 tons
Miles traveled per vehicle: 12,000 mi **Average vehicle fuel economy:** 13 MPG **Market:** Utility **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 45% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
CPS Energy	Light-Duty	E85	11	80% of time	377 gal	1.8 tons
Miles traveled per vehicle: 2,500 mi **Average vehicle fuel economy:** 18 MPG **Market:** Utility **Vehicle type:** Car **Percentage from coalition:** 55% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
GSA	Light-Duty	E85 (blender pump)	1,152	60% of time	90,642 gal	431.6 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Miles traveled per vehicle: 7,020 mi **Average vehicle fuel economy:** 18 MPG **Market:** General/Unknown **Vehicle type:** Car **Percentage from coalition:** 60% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
HEB Grocery	Heavy-Duty	LNG	4	54,977 gal	13,181 gal	12.5 tons
Market: Corporate Fleet **Vehicle type:** Truck: Semi-trailer **Percentage from coalition:** 40% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
HEB Grocery	Heavy-Duty	LNG	2	100% of time	6,885 gal	2.1 tons
Miles traveled per vehicle: 75,000 mi **Average vehicle fuel economy:** 7 MPGde **Market:** Corporate Fleet **Vehicle type:** Truck: No Trailer **Percentage from coalition:** 60% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Volvo and Freightliner LNG Tractor*						
Marion ISD	Heavy-Duty	Propane	4	100% of time	3,229 gal	N/A
Miles traveled per vehicle: 8,955 mi **Average vehicle fuel economy:** 7 MPGde **Market:** Government - Local **Vehicle type:** Bus: School **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No * GHG emissions *for this project* are not estimated to be less than an equivalent diesel fleet. If LPG vehicles replace gasoline, please change vehicle type from HDV to LDV.						
Northside ISD	Heavy-Duty	Propane	600	100% of time	311,523 gal	490.3 tons
Miles traveled per vehicle: 12,000 mi **Average vehicle fuel economy:** 7 MPGde **Market:** Government - Local **Vehicle type:** Bus: School **Percentage from coalition:** 40% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
San Antonio ISD	Heavy-Duty	Propane	24	46,610 gal	21,175 gal	33.3 tons
Market: Government - Local **Vehicle type:** Bus: School **Percentage from coalition:** 60% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
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:** 40% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
San Antonio Missions National Historical Park	Light-Duty	Propane	5	100% of time	593 gal	0.9 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Miles traveled per vehicle: 6,818 mi **Average vehicle fuel economy:** 17 MPGge **Market:** National Parks **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 40% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
SAWS	Heavy-Duty	Propane	7	100 gal	25 gal	N/A
Market: Corporate Fleet **Vehicle type:** Unknown/Other **Percentage from coalition:** 40% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
* GHG emissions *for this project* are not estimated to be less than an equivalent diesel fleet. If LPG vehicles replace gasoline, please change vehicle type from HDV to LDV.						
Schwan's - Medium-duty Propane	Light-Duty	Propane	5	17,092 gal	12,942 gal	20.4 tons
Market: Corporate Fleet **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 100% **National Clean Fleets Partnership:** Yes **Energy Efficient Mobility Systems Partnership:** No						
Seguin ISD	Heavy-Duty	Propane	21	100% of time	20,919 gal	N/A
Miles traveled per vehicle: 11,051 mi **Average vehicle fuel economy:** 7 MPGde **Market:** Government - Local **Vehicle type:** Bus: School **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
* GHG emissions *for this project* are not estimated to be less than an equivalent diesel fleet. If LPG vehicles replace gasoline, please change vehicle type from HDV to LDV.						
Southside ISD	Heavy-Duty	Propane	10	100% of time	13,608 gal	N/A
Miles traveled per vehicle: 15,097 mi **Average vehicle fuel economy:** 7 MPGde **Market:** Government - Local **Vehicle type:** Bus: School **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
* GHG emissions *for this project* are not estimated to be less than an equivalent diesel fleet. If LPG vehicles replace gasoline, please change vehicle type from HDV to LDV.						
Southwest ISD	Heavy-Duty	Propane	26	100% of time	8,306 gal	N/A
Miles traveled per vehicle: 3,544 mi **Average vehicle fuel economy:** 7 MPGde **Market:** Government - Local **Vehicle type:** Bus: School **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
* GHG emissions *for this project* are not estimated to be less than an equivalent diesel fleet. If LPG vehicles replace gasoline, please change vehicle type from HDV to LDV.						
Texas Department of Transportation	Light-Duty	E85 (blender pump)	188	100% of time	41,862 gal	199.3 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Miles traveled per vehicle: 10,344 mi **Average vehicle fuel economy:** 13 MPG **Market:** Government - State **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
Texas Department of Transportation	Light-Duty	Propane	61	50% of time	6,482 gal	10.2 tons
Miles traveled per vehicle: 9,880 mi **Average vehicle fuel economy:** 18 MPGge **Market:** Government - State **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
Texas Department of Transportation	Light-Duty	Propane	18	100% of time	2,131 gal	3.4 tons
Miles traveled per vehicle: 5,442 mi **Average vehicle fuel economy:** 17 MPGge **Market:** Government - State **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
University of Texas at San Antonio	Light-Duty	E85 (blender pump)	76	100% of time	19,617 gal	93.4 tons
Miles traveled per vehicle: 11,991 mi **Average vehicle fuel economy:** 13 MPG **Market:** General/Unknown **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Many of UTSA's mileage figures were severely overinflated, so default figures are used in most cases.*						
University of Texas at San Antonio	Light-Duty	E85 (blender pump)	5	100% of time	174 gal	0.8 tons
Miles traveled per vehicle: 1,612 mi **Average vehicle fuel economy:** 13 MPG **Market:** General/Unknown **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Mileage figures provided by UTSA were used for this entry.*						
University of Texas at San Antonio	Light-Duty	E85 (blender pump)	5	100% of time	189 gal	0.9 tons
Miles traveled per vehicle: 1,756 mi **Average vehicle fuel economy:** 13 MPG **Market:** General/Unknown **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Mileage figures provided by UTSA were used for this entry.*						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
University of Texas at San Antonio	Light-Duty	Propane	1	100% of time	261 gal	0.4 tons
Miles traveled per vehicle: 11,991 mi **Average vehicle fuel economy:** 17 MPGge **Market:** General/Unknown **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Many of UTSA's mileage figures were severely overinflated, so default figures are used in most cases.*						
University of Texas at San Antonio	Light-Duty	Propane	1	100% of time	261 gal	0.4 tons
Miles traveled per vehicle: 11,991 mi **Average vehicle fuel economy:** 17 MPGge **Market:** General/Unknown **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Many of UTSA's mileage figures were severely overinflated, so default figures are used in most cases.*						
UPS - Heavy-duty CNG	Heavy-Duty	CNG	358	2,002,386 GGE	1,702,028 gal	1,484.2 tons
Market: Corporate Fleet **Vehicle type:** Unknown/Other **Percentage from coalition:** 100% **National Clean Fleets Partnership:** Yes **Energy Efficient Mobility Systems Partnership:** No *This includes class 4-6 package delivery trucks and class 7-8 tractors*						
VIA Metropolitan Transit	Heavy-Duty	CNG	308	100% of time	1,011,630 gal	882.1 tons
Miles traveled per vehicle: 28,981 mi **Average vehicle fuel economy:** 3 MPGde **Market:** Corporate Fleet **Vehicle type:** Bus: Transit **Percentage from coalition:** 40% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
VIA Metropolitan Transit	Heavy-Duty	Propane	118	100% of time	294,313 gal	463.2 tons
Miles traveled per vehicle: 49,411 mi **Average vehicle fuel economy:** 6 MPGde **Market:** Corporate Fleet **Vehicle type:** Bus: Shuttle **Percentage from coalition:** 40% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
VIA Metropolitan Transit	Heavy-Duty	Propane	12	100% of time	94,752 gal	N/A
Miles traveled per vehicle: 31,285 mi **Average vehicle fuel economy:** 1 MPGde **Market:** Corporate Fleet **Vehicle type:** Bus: Transit **Percentage from coalition:** 40% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
Total:			**3,954**		**3,975,573 gal**	**5,556 tons**

* GHG emissions *for this project* are not estimated to be less than an equivalent diesel fleet. If LPG vehicles replace gasoline, please change vehicle type from HDV to LDV.

Electric, Hybrid & Plug-in Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Bexar County	Heavy-Duty	HEV	3	284 gal	3.4 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:** 40% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No					
Bexar County	Light-Duty	HEV	4	415 gal	4.9 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:** 40% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No					
Bexar County	Light-Duty	HEV	7	761 gal	8.9 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:** 40% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No					
City of San Antonio	Light-Duty	HEV	444	39,290 gal	462.1 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:** 40% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No					
City of San Antonio	Light-Duty	HEV	15	1,336 gal	15.7 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:** 40% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No					
CPS Energy	Heavy-Duty	PHEV	15	1,939 gal	19.2 tons
Average electric fuel economy: 155 kWh/100mi **Average vehicle fuel economy:** 10 MPG **Miles traveled per vehicle per year:** 4,200 mi **Market:** Utility **Vehicle type:** Truck: No Trailer **Percentage from coalition:** 55% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No					
CPS Energy	Light-Duty	HEV	14	1,418 gal	16.7 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Average vehicle fuel economy: 50 MPG **Miles traveled per vehicle per year:** 8,500 mi **Market:** Utility **Vehicle type:** Car **Percentage from coalition:** 55% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No					
CPS Energy	Light-Duty	PHEV	44	1,903 gal	-3.9 tons
Average electric fuel economy: 100 kWh/100mi **Average vehicle fuel economy:** 25 MPG **Miles traveled per vehicle per year:** 4,500 mi **Market:** Utility **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 55% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *Average gasoline fuel economy not reported -- instead based on Mitsubishi Outlander*					
GSA	Light-Duty	PHEV	353	38,440 gal	452.1 tons
Average electric fuel economy: 30 kWh/100mi **Average vehicle fuel economy:** 42 MPG **Miles traveled per vehicle per year:** 7,884 mi **Market:** General/Unknown **Vehicle type:** Car **Percentage from coalition:** 80% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No					
HEB Grocery	Heavy-Duty	Electric	2	2,213 gal	4.4 tons
Electricity used: 44,358 kWh **Market:** Corporate Fleet **Vehicle type:** Truck: Semi-trailer **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No					
San Antonio Missions National Historical Park	Light-Duty	Electric	3	1 gal	0.0 tons
Average electric fuel economy: 11 kWh/100mi **Miles traveled per vehicle per year:** 15 mi **Market:** National Parks **Vehicle type:** Low-Speed/Neighborhood **Percentage from coalition:** 40% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No					
San Antonio Missions National Historical Park	Light-Duty	Electric	1	11 gal	0.1 tons
Average electric fuel economy: 45 kWh/100mi **Miles traveled per vehicle per year:** 610 mi **Market:** Government - Local **Vehicle type:** Low-Speed/Neighborhood **Percentage from coalition:** 40% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No					
San Antonio Missions National Historical Park	Light-Duty	Electric	1	38 gal	0.3 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Average electric fuel economy: 30 kWh/100mi **Miles traveled per vehicle per year:** 2,297 mi **Market:** National Parks **Vehicle type:** Car **Percentage from coalition:** 40% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No					
San Antonio Missions National Historical Park **Average vehicle fuel economy:** 36 MPG **Miles traveled per vehicle per year:** 12,138 mi **Market:** National Parks **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 40% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No	Light-Duty	HEV	3	433 gal	5.1 tons
SAWS **Average electric fuel economy:** 740 kWh/100mi **Miles traveled per vehicle per year:** 5,000 mi **Market:** Government - Local **Vehicle type:** Unknown/Other **Percentage from coalition:** 40% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No	Heavy-Duty	Electric	15	5,970 gal	-38.9 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:** 40% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No	Light-Duty	HEV	31	4,199 gal	49.4 tons
Texas Department of Transportation **Average vehicle fuel economy:** 28 MPG **Miles traveled per vehicle per year:** 1,600 mi **Market:** Government - State **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *Average fuel economy comes from FuelEconomy.gov*	Light-Duty	HEV	1	17 gal	0.2 tons
University of Texas at San Antonio **Average electric fuel economy:** 11 kWh/100mi **Miles traveled per vehicle per year:** 350 mi **Market:** General/Unknown **Vehicle type:** Low-Speed/Neighborhood **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No	Light-Duty	Electric	51	406 gal	4.3 tons
University of Texas at San Antonio	Light-Duty	HEV	1	7 gal	0.1 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Average vehicle fuel economy: 28 MPG **Miles traveled per vehicle per year:** 630 mi **Market:** General/Unknown **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No					
VIA Metropolitan Transit	Heavy-Duty	HEV	30	115,140 gal	1,368.5 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:** 40% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No					
Total:			**1,038**	**214,220 gal**	**2,372 tons**

Off-Road Vehicles

Fleet Name	Application	Method	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
HEB Grocery	Other	Alternative fuel or vehicles	LNG	2	2,772 gal	0.8 tons
Fuel used: 6,120 gal **Percentage from coalition:** 80% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
San Antonio Missions National Historical Park	Forklifts	Alternative fuel or vehicles	Propane	1	2 gal	0.0 tons
Fuel used: 8 gal **Percentage from coalition:** 40% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
San Antonio Missions National Historical Park	Landscaping and lawn equipment	Alternative fuel or vehicles	Propane	4	58 gal	0.1 tons
Fuel used: 190 gal **Percentage from coalition:** 40% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
Texas Department of Transportation	Forklifts	Alternative fuel or vehicles	Electric	9	99 gal	0.6 tons
Brake horsepower-hours used: 3,059 brake horsepower-hours **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
Total:				**16**	**2,931 gal**	**2 tons**

FUEL ECONOMY

Fuel Economy Improvements

Fleet Name	Previous Fuel	Current Fuel	Number of Vehicles	Miles Traveled per Vehicle	GGE Reduced	GHG Reduced
GSA	28 MPG	36 MPG	115	8,475 mi	6,188 gal	72.8 tons
Method: Vehicle - More efficient **Vehicle class:** Light-Duty **Market:** General/Unknown **Vehicle type:** Car **Percentage from coalition:** 80% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
HEB, LP	8 MPG	8 MPG	4	30,000 mi	299 gal	3.6 tons
Method: Driver training **Vehicle class:** Heavy-Duty **Market:** Corporate Fleet **Vehicle type:** Truck: No Trailer **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
San Antonio ISD	4 MPG	6 MPG	260	10,000 mi	100,026 gal	1,188.9 tons
Method: Telematics **Vehicle class:** Heavy-Duty **Market:** Government - Local **Vehicle type:** Bus: School **Percentage from coalition:** 40% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
Total:			**379**	**48,475 mi**	**106,514 gal**	**1,265 tons**

Vehicle Miles Traveled Reductions

Project Name	Method	Vehicle Class	GGE Reduced	GHG Reduced
Commute Solutions (AACOG) - All Modes	Other	Light-Duty	35,681 gal	419.7 tons
Fuel type of vehicles driven less: Gasoline **Fuel economy of vehicles driven less:** 20 MPG **Number of vehicles driven less:** 3,206 **VMT project per vehicle being driven less:** 378 mi **Percentage from coalition:** 60% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Fuel economy given is an average of light duty car and light duty truck*				
Total:			**35,681 gal**	**420 tons**

FUEL STATIONS

New Stations

Fuel	Public Stations	Private Stations
Biodiesel	-	-
CNG - Compressed Natural Gas	-	-
E85 - 85% Ethanol	-	-
EVSE Ports (Chargers): Level 1 & Level 2	-	-
EVSE Ports (Chargers): DC Fast Chargers	-	-
Hydrogen	-	-
LNG - Liquefied Natural Gas	-	-

Fuel	Public Stations	Private Stations
Propane	-	-
Total:	**0**	**0**

OUTREACH ACTIVITIES

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
SA Drive Electric	10/01/2022	Media Event	25%	1,000
Technology: Electric vehicles, Hybrid electric vehicles **Audience:** General Public				
Drive Electric Earth Day - Seguin	04/30/2022	Media Event	100%	500
Technology: Electric vehicles **Audience:** Energy and Environmental Justice (EEJ) communities or representative organizations, General Public *This was part of a larger Earth Day festival hosted by the City of Seguin.*				
Drive Electric Earth Day - San Antonio	04/23/2022	Media Event	100%	1,000
Technology: Electric vehicles **Audience:** General Public *This was part of a larger Earth Day festival sponsored by the City of San Antonio*				
IRA Tax Credits Webinar	12/01/2022	Workshop Held By Coalition	100%	30
Technology: Electric vehicles, Hybrid electric vehicles, Natural gas vehicles, Propane **Audience:** Airport, Delivery, Government, Private Fleets, Transit, Utility, Waste				
SA Drive Electric for Fleets	09/30/2022	Workshop Held By Coalition	100%	200
Technology: Electric vehicles, Hybrid electric vehicles **Audience:** Airport, Delivery, General Public, Government, Private Fleets, Transit, Utility				
Total:				**2,730**

GRANTS

Name	Grantor	Total Grant Amount	Total Matching Funds	Total Project Funding	Grant Amount Spent in 2022	Matching Funds Spent in 2022	Total Project Funding Spent in 2022
DERA - HEB/TBD	Environmental Protection Agency	$343,739	$429,055	$772,794	-	-	$0
Additional grant money added since start: $0 **Additional matching funds added since start:** $0 **Length of grant:** 3 years **Year grant began:** 2020 **Sources of the grant:** Environmental Protection Agency **Partners:** HEB **Technologies:** Electricity							
Total:		**$343,739**	**$429,055**	**$772,794**	**$0**	**$0**	**$0**