2016 Transportation Technology Deployment Report:

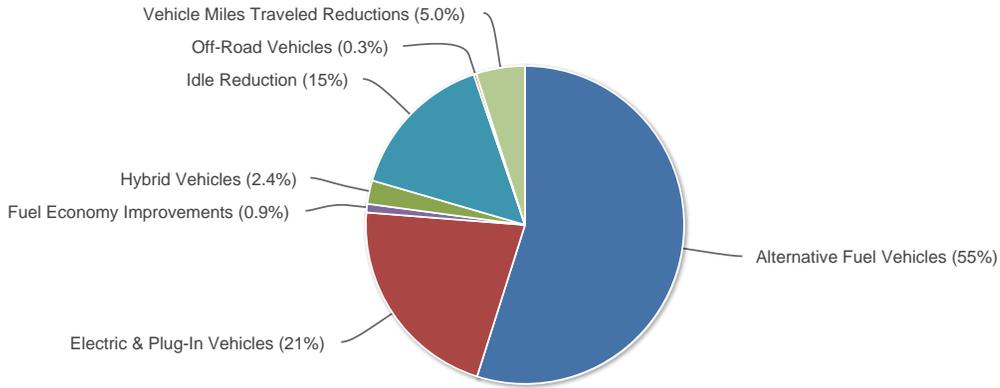## Houston-Galveston Clean Cities

Expanded Edition

March 2017

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 Houston-Galveston Clean Cities.

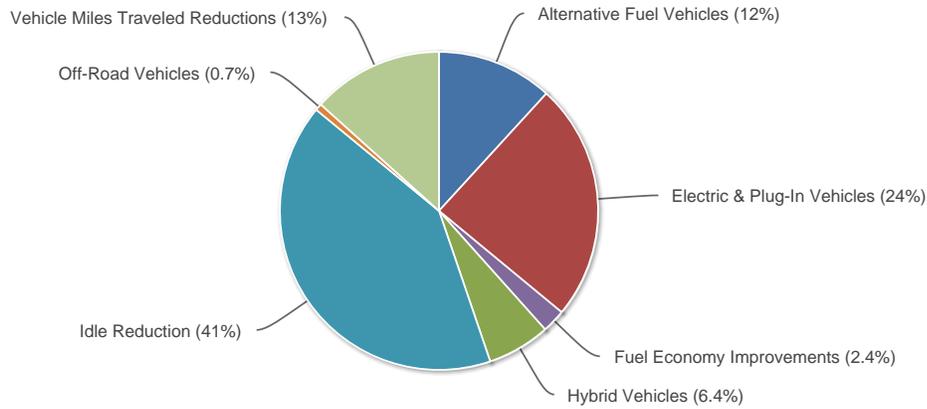To view aggregated data for all local coalitions that participate in the Clean Cities program, visit cleancities.energy.gov/accomplishments.

2016 Gallons of Gasoline Equivalent Reduced
15,263,614 gallons

Vehicle Miles Traveled Reductions (5.0%)
Off-Road Vehicles (0.3%)
Idle Reduction (15%)
Hybrid Vehicles (2.4%)
Fuel Economy Improvements (0.9%)
Electric & Plug-In Vehicles (21%)
Alternative Fuel Vehicles (55%)

2016 Greenhouse Gas Emissions Reduced
69,983 tons

Vehicle Miles Traveled Reductions (13%)
Off-Road Vehicles (0.7%)
Alternative Fuel Vehicles (12%)
Electric & Plug-In Vehicles (24%)
Idle Reduction (41%)
Fuel Economy Improvements (2.4%)
Hybrid Vehicles (6.4%)

Historical Gallons of Gasoline Equivalent Reduced

Gallons of Gasoline Equivalent Reduced

2009: 0 gal
2010: 93.8k gal
2011: 2.0M gal
2012: 2.7M gal
2013: 3.2M gal
2014: 3.0M gal
2015: 12.7M gal
2016: 15.3M gal

Year
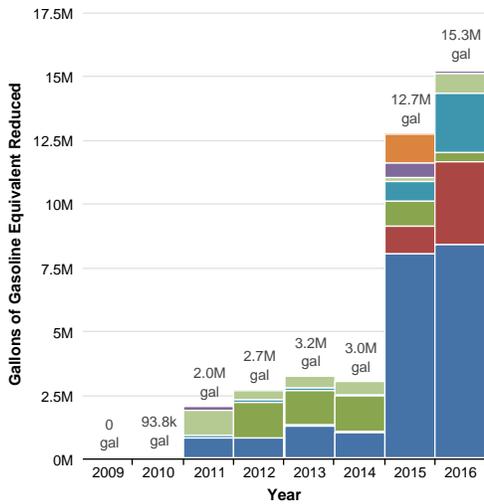
Historical Greenhouse Gas Emissions Reduced

Greenhouse Gas Emissions Reduced (tons)

2009: 0 tons
2010: 194 tons
2011: 17.4k tons
2012: 24.5k tons
2013: 26.3k tons
2014: 26.2k tons
2015: 59.2k tons
2016: 70.0k tons

Year

Legend:
- Off-Road Vehicles
- Fuel Economy Improvements
- Vehicle Miles Traveled Reductions
- Idle Reduction
- Hybrid Vehicles
- Electric & Plug-In Vehicles
- Alternative Fuel Vehicles
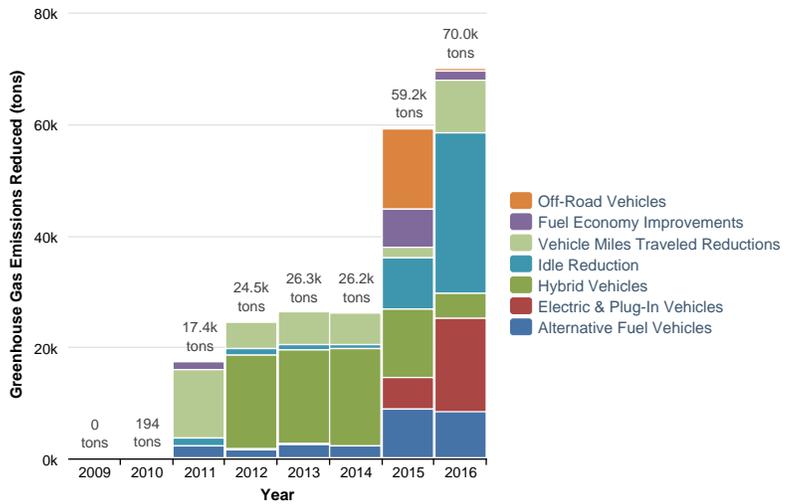
2016 Gallons of Gasoline Equivalent Reduced by Fuel Type for Alternative Fuel Projects
12,000,843 gallons

Propane (8.2%)
Biodiesel (0.3%)
Mixed EVs and PHEVs (27%)
CNG (48%)
Liquefied Natural Gas (13%)
Hybrid (conventional) (3.0%)
Electric (0.1%)
E85 (0.02%)
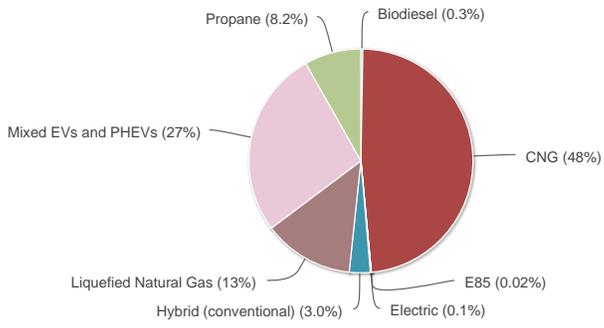
2016 Greenhouse Gas Emissions Reduced by Fuel Type for Alternative Fuel Projects
29,669 tons

Propane (1.4%)
Biodiesel (1.0%)
CNG (20%)
E85 (0.04%)
Electric (0.2%)
Mixed EVs and PHEVs (57%)
Hybrid (conventional) (15%)
Liquefied Natural Gas (5.3%)
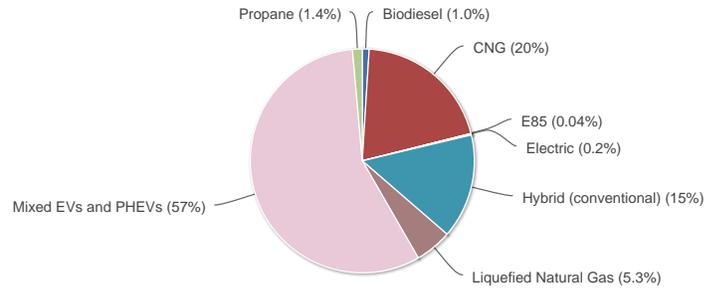
Criteria Pollutant Emissions Reduced

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.

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	179,750 lb	2,795 lb	-1,149,021 lb	0 lb	0 lb
E85 - 85% Ethanol	0 lb	2 lb	0 lb	0 lb	0 lb
Electric (all-electric)	590 lb	55 lb	530 lb	4 lb	4 lb
Hybrid (conventional)	789 lb	2,364 lb	11,588 lb	0 lb	0 lb
LNG - Liquefied Natural Gas	88,566 lb	9,049 lb	-488,562 lb	0 lb	0 lb
Mixed EVs and PHEVs	17,787 lb	32,196 lb	246,337 lb	465 lb	447 lb
Propane	0 lb	0 lb	0 lb	0 lb	0 lb
Total:	287,481 lb	46,461 lb	-1,379,127 lb	469 lb	450 lb

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

COALITION

Houston-Galveston Clean Cities - TX
http://www.houston-cleancities.org/

Designated: 09/04/1997
Boundaries: Counties: Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, Waller; Cities of Houston and Galveston

COORDINATORS

	Address	Telephone	Fax
Shelley Whitworth	3555 Timmons Ln, Ste 120 PO Box 22777 (77227) Houston, TX 77027		

Number of coordinators	1
Coordinator(s) hours per week on Clean Cities	30 hours
Other staff hours per week on Clean Cities	20 hours
How long have you been the coordinator?	1 years

OPERATING INFORMATION

Host organization	Council of Governments (COG), Municipal Planning Organization (MPO), or Regional Planning Commission (RPC)

Stakeholders

Number of stakeholders	130
Number of private stakeholders	110
Does the State Energy Office provide any financial support to the coalition or stakeholders?	No
How would you rate the quality of the data on your survey?	Excellent
How do you obtain most of your data for the survey?	Online questionnaire to stakeholders (SurveyMonkey, Google Forms, etc), Phone calls to stakeholders
Has your coalition registered with www.grants.gov?	Yes

2016 Outside Funding

Stakeholder dues collected	$0
How much funding is obtained from other sources to cover coalition operating expenses?	$200
Non-DOE or ARRA grant and matching funds spent in 2016	$0
Total non-DOE or ARRA funding in 2016	$200

Alternative Fuel & Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Air Products	Heavy-Duty	CNG	5	100% of time	17,527 gal	14.8 tons
Miles traveled per vehicle: 65,897 mi **Average vehicle fuel economy:** 5 MPGde **Market:** General/Unknown **Vehicle type:** Truck: Semi-trailer **Percentage from coalition:** 25% **National Clean Fleets Partnership:** No						
Alvin ISD - Buses	Heavy-Duty	Propane	105	100% of time	345,421 gal	135.4 tons
Miles traveled per vehicle: 18,731 mi **Average vehicle fuel economy:** 6 MPGde **Market:** Government - Local **Vehicle type:** Bus: School **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *emailed list by Juan Mejias 3/2.*						
ampCNG LLC (AMP Trillium LLC)	Heavy-Duty	CNG	100	756,682 GGE	681,014 gal	573.4 tons
Market: Corporate Fleet **Vehicle type:** Truck: Semi-trailer **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *Need to confirm the unit.* *Confirmed by Jim Waddle*						
Building Products Plus	Heavy-Duty	CNG	6	63,226 GGE	56,903 gal	47.9 tons
Market: Corporate Fleet **Vehicle type:** Truck: Semi-trailer **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
City of Houston - Heavy Duty	Heavy-Duty	CNG	1	100% of time	1,328 gal	1.1 tons
Miles traveled per vehicle: 6,000 mi **Average vehicle fuel economy:** 5 MPGde **Market:** Government - Local **Vehicle type:** Truck: No Trailer **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *Confirmed by Jedediah Greenfield*						
City of Houston - Light Duty	Light-Duty	Propane	3	100% of time	1,875 gal	2.7 tons
Miles traveled per vehicle: 7,500 mi **Average vehicle fuel economy:** 12 MPGge **Market:** Government - Local **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *Confirmed by Jedediah Greenfield*						
City of Lake Jackson	Heavy-Duty	CNG	4	100% of time	8,800 gal	7.4 tons
Miles traveled per vehicle: 13,123 mi **Average vehicle fuel economy:** 7 MPGde **Market:** Government - Local **Vehicle type:** Truck: No Trailer **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 Lake Jackson	Light-Duty	CNG	4	100% of time	1,905 gal	2.5 tons

Miles traveled per vehicle: 11,048 mi
Average vehicle fuel economy: 23 MPGge
Market: Government - Local
Vehicle type: Car
Percentage from coalition: 100%
National Clean Fleets Partnership: No

Clear Creek ISD	Heavy-Duty	Propane	80	80,000 gal	54,504 gal	21.4 tons

Market: Government - Local
Vehicle type: Bus: School
Percentage from coalition: 100%
National Clean Fleets Partnership: No

CNG 4 America - Maintenance Vehicles	Light-Duty	CNG	5	25,000 GGE	23,750 gal	30.8 tons

Market: Corporate Fleet
Vehicle type: Pickup/SUV/Van
Percentage from coalition: 100%
National Clean Fleets Partnership: No

Confirmed with Robin Cox on 2/23.

CNG 4 America - Stations	Light-Duty	CNG	175	100% of time	323,077 gal	418.5 tons

Miles traveled per vehicle: 12,000 mi
Average vehicle fuel economy: 7 MPGge
Market: General/Unknown
Vehicle type: Pickup/SUV/Van
Percentage from coalition: 100%
National Clean Fleets Partnership: No

Need to confirm the miles traveled per veh. per year. reported 50000 which is much higher than in 2015.
Major customers: WDT, AT&T, Frito Lay, Texas Gas Service, Air Products

Confirmed with Robin on 2/23.

CNG Energy Partners	Heavy-Duty	CNG	100	100% of time	343,929 gal	289.6 tons

Miles traveled per vehicle: 65,897 mi
Average vehicle fuel economy: 5 MPGde
Market: Corporate Fleet
Vehicle type: Truck: Semi-trailer
Percentage from coalition: 25%
National Clean Fleets Partnership: No

Need to confirm the # of vehicles.

CNG Energy Partners - CNG Stations	Light-Duty	CNG	300	3,000 GGE	713 gal	0.9 tons

Market: General/Unknown
Vehicle type: Car
Percentage from coalition: 25%
National Clean Fleets Partnership: No

Columbia-Brazoria ISD	Heavy-Duty	Propane	11	19,130 gal	13,033 gal	5.1 tons

Market: Government - Local
Vehicle type: Bus: School
Percentage from coalition: 100%
National Clean Fleets Partnership: No

Clean Vehicles emission template on 3/7

Damon ISD	Heavy-Duty	Propane	3	7,484 gal	5,099 gal	2.0 tons

Market: Government - Local
Vehicle type: Bus: School
Percentage from coalition: 100%
National Clean Fleets Partnership: No

Confirmed with Kandace Delaney on 3/1

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
DX Transportation	Heavy-Duty	CNG	2	100% of time	19,840 gal	16.7 tons

Miles traveled per vehicle: 31,379 mi
Average vehicle fuel economy: 4 MPGde
Market: General/Unknown
Vehicle type: Truck: Semi-trailer
Percentage from coalition: 100%
National Clean Fleets Partnership: No

Clean Vehicles emission accounting template on 3/7

Freedom CNG	Light-Duty	CNG	1	2,733 GGE	2,596 gal	3.4 tons

Market: General/Unknown
Vehicle type: Pickup/SUV/Van
Percentage from coalition: 100%
National Clean Fleets Partnership: No

Freedom CNG Station	Light-Duty	CNG	550	2,126,852 GGE	2,020,509 gal	2,617.6 tons

Market: General/Unknown
Vehicle type: Unknown/Other
Percentage from coalition: 100%
National Clean Fleets Partnership: No

Followup with number of vehicles
Confirmed with Roger Oldigs on 2/22.

Friendswood ISD	Heavy-Duty	Propane	17	100% of time	35,829 gal	14.0 tons

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

Green's Blue Flame Gas Company, Inc	Light-Duty	Propane	12	30,000 gal	22,710 gal	32.1 tons

Market: General/Unknown
Vehicle type: Pickup/SUV/Van
Percentage from coalition: 100%
National Clean Fleets Partnership: No

HEB Grocery	Heavy-Duty	LNG	4	34,465 gal	10,329 gal	10.4 tons

Market: General/Unknown
Vehicle type: Truck: Semi-trailer
Percentage from coalition: 50%
National Clean Fleets Partnership: No

Houston ISD - Buses	Heavy-Duty	Propane	181	604,925 gal	412,135 gal	161.6 tons

Market: Government - Local
Vehicle type: Bus: School
Percentage from coalition: 100%
National Clean Fleets Partnership: No

Reported by Andres Monte on 3/9

Lodge Lumber Co.	Heavy-Duty	CNG	3	100% of time	34,577 gal	29.1 tons

Miles traveled per vehicle: 50,000 mi
Average vehicle fuel economy: 5 MPGde
Market: General/Unknown
Vehicle type: Truck: Semi-trailer
Percentage from coalition: 100%
National Clean Fleets Partnership: No

METRO - Shuttle	Heavy-Duty	CNG	7	47,140 GGE	42,426 gal	35.7 tons

Market: Government - Local
Vehicle type: Bus: Shuttle
Percentage from coalition: 100%
National Clean Fleets Partnership: No

Confirmed by Edmond Petry

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
METRO - Transit Buses	Heavy-Duty	CNG	50	1,055,244 GGE	949,720 gal	799.7 tons
Market: Government - Local **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *Confirmed by Edmond Petry*						
NASA	Light-Duty	E85 (blender pump)	8	90% of time	2,777 gal	10.8 tons
Miles traveled per vehicle: 11,048 mi **Average vehicle fuel economy:** 17 MPG **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
NOVUS Wood Group - Heavy	Heavy-Duty	CNG	2	17,875 GGE	16,088 gal	13.5 tons
Market: General/Unknown **Vehicle type:** Truck: Refuse **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
NOVUS Wood Group - Light	Light-Duty	CNG	5	5,920 GGE	5,624 gal	7.3 tons
Market: General/Unknown **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
Parking Company of America	Heavy-Duty	CNG	2	12,000 GGE	2,700 gal	2.3 tons
Market: Airport **Vehicle type:** Bus: Shuttle **Percentage from coalition:** 25% **National Clean Fleets Partnership:** No						
Petroleum Express Inc	Heavy-Duty	Biodiesel (20%)	15	156,010 gal	33,261 gal	291.3 tons
Market: General/Unknown **Vehicle type:** Truck: Semi-trailer **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *Peggy Roark 01/24/2017* *proark@petroleumexpress.com*						
SILVER EAGLE DISTRIBUTORS	Heavy-Duty	CNG	15	41,669 GGE	9,376 gal	7.9 tons
Market: Corporate Fleet **Vehicle type:** Truck: Semi-trailer **Percentage from coalition:** 25% **National Clean Fleets Partnership:** No						
SILVER EAGLE DISTRIBUTORS	Light-Duty	CNG	66	2,315 GGE	550 gal	0.7 tons
Market: General/Unknown **Vehicle type:** Unknown/Other **Percentage from coalition:** 25% **National Clean Fleets Partnership:** No						
Southern Foods Group, LLC (d/b/a Oak Farms Dairy)	Heavy-Duty	CNG	64	100% of time	418,382 gal	352.3 tons
Miles traveled per vehicle: 36,040 mi **Average vehicle fuel economy:** 6 MPGde **Market:** General/Unknown **Vehicle type:** Truck: Semi-trailer **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Sprint Waste Services LP	Heavy-Duty	CNG	5	100% of time	118,550 gal	99.8 tons

Miles traveled per vehicle: 75,000 mi
Average vehicle fuel economy: 4 MPGde
Market: General/Unknown
Vehicle type: Truck: Semi-trailer
Percentage from coalition: 100%
National Clean Fleets Partnership: No

TXDOT - CNG	Light-Duty	CNG	20	20,000 GGE	9,500 gal	12.3 tons

Market: Government - State
Vehicle type: Pickup/SUV/Van
Percentage from coalition: 50%
National Clean Fleets Partnership: No

TXDOT - Propane	Light-Duty	Propane	30	20,000 gal	7,570 gal	10.7 tons

Market: Government - State
Vehicle type: Pickup/SUV/Van
Percentage from coalition: 50%
National Clean Fleets Partnership: No

UPS - Heavy-duty LNG	Heavy-Duty	LNG	70	2,598,777 gal	1,557,707 gal	1,562.4 tons

Market: Corporate Fleet
Vehicle type: Truck: Semi-trailer
Percentage from coalition: 100%
National Clean Fleets Partnership: Yes

UPS - Heavy-duty Propane	Heavy-Duty	Propane	33	122,899 gal	83,731 gal	32.8 tons

Market: Corporate Fleet
Vehicle type: Truck: No Trailer
Percentage from coalition: 100%
National Clean Fleets Partnership: Yes

VNG.CO	Light-Duty	CNG	2	1,000 GGE	950 gal	1.2 tons

Market: General/Unknown
Vehicle type: Car
Percentage from coalition: 100%
National Clean Fleets Partnership: No

Waste Connections of Texas, LLC	Heavy-Duty	CNG	24	302,201 GGE	271,981 gal	229.0 tons

Market: Corporate Fleet
Vehicle type: Truck: Refuse
Percentage from coalition: 100%
National Clean Fleets Partnership: No

Confirmed with Adam Gooderham 2/22.

WCA Waste	Heavy-Duty	CNG	60	95% of time	384,719 gal	323.9 tons

Miles traveled per vehicle: 30,500 mi
Average vehicle fuel economy: 5 MPGde
Market: Utility
Vehicle type: Truck: Refuse
Percentage from coalition: 100%
National Clean Fleets Partnership: No

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Wood Fuel	Heavy-Duty	CNG	2	23,870 GGE	21,483 gal	18.1 tons

Market: Corporate Fleet
Vehicle type: Truck: Semi-trailer
Percentage from coalition: 100%
National Clean Fleets Partnership: No

Confirmed with Roger on 2/22.

Total:			**2,152**		**8,374,498 gal**	**8,250 tons**

Electric, Hybrid & Plug-in Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
CITY OF BAYTOWN	Light-Duty	HEV	4	24 gal	0.3 tons

Average vehicle fuel economy: 42 MPG
Miles traveled per vehicle per year: 5,000 mi
Market: Government - Local
Vehicle type: Car
Percentage from coalition: 100%
National Clean Fleets Partnership: No
Workplace Charging Challenge: No

City of Houston - All-Electric	Light-Duty	Electric	26	1,857 gal	9.7 tons

Average electric fuel economy: - kWh/100mi
Miles traveled per vehicle per year: 2,500 mi
Market: Government - Local
Vehicle type: Car
Percentage from coalition: 100%
National Clean Fleets Partnership: No
Workplace Charging Challenge: No

Confirmed by Jedediah Greenfield

City of Houston - Charging Infrastructure - DC Fast	Light-Duty	EV-PHEV	308	98,061 gal	509.7 tons

Average vehicle fuel economy: 35 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: No

Confirmed by Jedediah Greenfield

City of Houston - Charging Infrastructure - Level 2	Light-Duty	EV-PHEV	9,896	3,150,672 gal	16,375.6 tons

Average vehicle fuel economy: 35 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: No

Confirmed by Jedediah Greenfield

City of Houston - Hybrids	Light-Duty	HEV	325	89,484 gal	1,102.2 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: No

Confirmed by Jedediah Greenfield

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
CNG Energy Partners	Light-Duty	EV-PHEV	100	357 gal	1.9 tons

Electricity used: 10,000 kWh
Market: General/Unknown
Vehicle type: Car
Percentage from coalition: 25%
National Clean Fleets Partnership: No
Workplace Charging Challenge: No

Need to confirm the # of vehicles and total electricity used.
Confirmed with Dmitri on 2/29: the owner of the business has no record of how many vehicles been served. 100 is just an rough estimate.

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
METRO - Shuttle	Heavy-Duty	HEV	122	62,779 gal	773.3 tons

Average vehicle fuel economy: 5 MPG
Miles traveled per vehicle per year: 22,829 mi
Market: Government - Local
Vehicle type: Bus: Shuttle
Percentage from coalition: 100%
National Clean Fleets Partnership: No
Workplace Charging Challenge: No

Submitted by Edmund Petry

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
METRO - Transit	Heavy-Duty	HEV	315	182,017 gal	2,242.0 tons

Average vehicle fuel economy: 4 MPG
Miles traveled per vehicle per year: 49,039 mi
Market: Government - Local
Vehicle type: Bus: Transit
Percentage from coalition: 100%
National Clean Fleets Partnership: No
Workplace Charging Challenge: No

Submitted by Edmund Petry

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
NASA	Light-Duty	Electric	1	476 gal	2.5 tons

Average electric fuel economy: - kWh/100mi
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: No

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Port of Houston Authority	Light-Duty	HEV	1	270 gal	3.3 tons

Average vehicle fuel economy: 32 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: No

Confirmed with Ken Gathright on 2/24.

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Port of Houston Authority	Light-Duty	HEV	1	94 gal	1.2 tons

Average vehicle fuel economy: 46 MPG
Miles traveled per vehicle per year: 4,500 mi
Market: Government - Local
Vehicle type: Car
Percentage from coalition: 100%
National Clean Fleets Partnership: No
Workplace Charging Challenge: No

Confirmed with Ken Gathright on 2/24.

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Sunrise Ridge Holdings Inc	Light-Duty	Electric	1	162 gal	0.8 tons
Average electric fuel economy: - kWh/100mi **Miles traveled per vehicle per year:** 15,000 mi **Market:** General/Unknown **Vehicle type:** Car **Percentage from coalition:** 25% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** No					
UPS - Medium-duty EV	Heavy-Duty	Electric	18	10,897 gal	43.6 tons
Average electric fuel economy: - kWh/100mi **Miles traveled per vehicle per year:** 3,983 mi **Market:** Corporate Fleet **Vehicle type:** Truck: No Trailer **Percentage from coalition:** 100% **National Clean Fleets Partnership:** Yes **Workplace Charging Challenge:** No *Default values used for kWh/100 miles*					
UPS - Medium-duty Hybrids	Heavy-Duty	HEV	30	28,622 gal	352.6 tons
Average vehicle fuel economy: 24 MPG **Miles traveled per vehicle per year:** 7,859 mi **Market:** Corporate Fleet **Vehicle type:** Truck: No Trailer **Percentage from coalition:** 100% **National Clean Fleets Partnership:** Yes **Workplace Charging Challenge:** No *UPS indicates that their hybrid vehicles see up to 4x improvement in fuel economy compared to their conventional counterparts.*					
Total:			**11,148**	**3,625,771 gal**	**21,419 tons**

Off-Road Vehicles

Fleet Name	Application	Method	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
*J.A.M. Distributing	Ships	Fuel economy improvement	Diesel	1	39,456 gal	489.3 tons
Fuel reduced: 35,659 gal **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *Need to confirm the updates for 2016*						
Port of Houston Authority	Forklifts	Alternative fuel or vehicles	Propane	4	545 gal	0.2 tons
Fuel used: 800 gal **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *Confirmed with Ken Gathright 2/24*						
TxDOT	Forklifts	Alternative fuel or vehicles	Propane	1	29 gal	0.0 tons
Fuel used: 43 gal **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
Total:				**6**	**40,030 gal**	**489 tons**

Fuel Economy Improvements

Fleet Name	Previous Fuel	Current Fuel	Number of Vehicles	Miles Traveled per Vehicle	GGE Reduced	GHG Reduced
All American Fleet	5 MPG	5 MPG	2	6,081 mi	122 gal	1.5 tons
Method: Vehicle - More efficient **Vehicle class:** Heavy-Duty **Market:** Corporate Fleet **Vehicle type:** Truck: Semi-trailer **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *Clean Vehicles database 3/6*						
Cherry Concrete	5 MPG	5 MPG	2	52,452 mi	2,281 gal	28.3 tons
Method: Vehicle - More efficient **Vehicle class:** Heavy-Duty **Market:** Corporate Fleet **Vehicle type:** Truck: Semi-trailer **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *Clean Vehicle database 3/6*						
CITY OF BAYTOWN	15 MPG	42 MPG	4	5,000 mi	857 gal	10.6 tons
Method: Vehicle - More efficient **Vehicle class:** Light-Duty **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
City of Houston - Light Duty	14 MPG	16 MPG	428	10,000 mi	38,214 gal	470.7 tons
Method: Vehicle - More efficient **Vehicle class:** Light-Duty **Market:** Government - Local **Vehicle type:** Patrol Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *From Jedediah Greenfield*						
City of Lake Jackson	22 MPG	45 MPG	4	15,000 mi	1,394 gal	17.2 tons
Method: Vehicle - More efficient **Vehicle class:** Light-Duty **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
City of Lake Jackson	18 MPG	40 MPG	4	15,000 mi	2,029 gal	25.2 tons
Method: Vehicle - More efficient **Vehicle class:** Heavy-Duty **Market:** Government - Local **Vehicle type:** Truck: No Trailer **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
Danbury ISD	6 MPG	7 MPG	1	5,389 mi	128 gal	1.6 tons
Method: Vehicle - More efficient **Vehicle class:** Heavy-Duty **Market:** Government - Local **Vehicle type:** Bus: School **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
Dual Green Consulting	5 MPG	6 MPG	30	20,000 mi	36,882 gal	457.3 tons
Method: Vehicle - More efficient **Vehicle class:** Heavy-Duty **Market:** Corporate Fleet **Vehicle type:** Truck: Semi-trailer **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
H E B Grocery	7 MPG	7 MPG	125	140,000 mi	40,171 gal	498.1 tons
Method: Vehicle - More efficient **Vehicle class:** Heavy-Duty **Market:** General/Unknown **Vehicle type:** Truck: Semi-trailer **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No						
*Humble ISD	7 MPG	7 MPG	5	7,414 mi	167 gal	2.1 tons
Method: Vehicle - More efficient **Vehicle class:** Heavy-Duty **Market:** Government - Local **Vehicle type:** Bus: School **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *Need to confirm with the current fuel economy*						
Isbell Equipment	4 MPG	6 MPG	3	22,163 mi	6,453 gal	80.0 tons
Method: Vehicle - More efficient **Vehicle class:** Heavy-Duty **Market:** Corporate Fleet **Vehicle type:** Truck: Semi-trailer **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *Clean Vehicle database on 3/6.*						
Liberty ISD	6 MPG	8 MPG	4	10,348 mi	2,221 gal	27.5 tons
Method: Vehicle - More efficient **Vehicle class:** Heavy-Duty **Market:** Government - Local **Vehicle type:** Bus: School **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *Clean Vehicles Database 3/6.*						
Lodge Lumber Co.	12 MPG	15 MPG	1	30,000 mi	553 gal	6.9 tons
Method: Vehicle - More efficient **Vehicle class:** Heavy-Duty **Market:** General/Unknown **Vehicle type:** Truck: Semi-trailer **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No						
Orbital Traction	5 MPG	5 MPG	1	50 mi	0 gal	0.0 tons
Method: Vehicle - More efficient **Vehicle class:** Heavy-Duty **Market:** General/Unknown **Vehicle type:** Truck: Semi-trailer **Percentage from coalition:** 25% **National Clean Fleets Partnership:** No						
Splendora ISD	6 MPG	8 MPG	4	6,961 mi	1,750 gal	21.7 tons
Method: Vehicle - More efficient **Vehicle class:** Heavy-Duty **Market:** Government - Local **Vehicle type:** Bus: School **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *Clean Vehicle database 3/6*						

Fleet Name	Previous Fuel	Current Fuel	Number of Vehicles	Miles Traveled per Vehicle	GGE Reduced	GHG Reduced
WOOD AND MULCH SERVICES INC	4 MPG	5 MPG	7	25,000 mi	1,579 gal	19.6 tons

Method: Vehicle - More efficient
Vehicle class: Heavy-Duty
Market: General/Unknown
Vehicle type: Truck: Semi-trailer
Percentage from coalition: 25%
National Clean Fleets Partnership: No

Total:			625	370,858 mi	134,802 gal	1,668 tons

Vehicle Miles Traveled Reductions

Project Name	Method	Vehicle Class	GGE Reduced	GHG Reduced
Air Product	Route Optimization	Heavy-Duty	24 gal	0.3 tons

Fuel type of vehicles driven less: Diesel
Fuel economy of vehicles driven less: 25 MPG
Number of vehicles driven less: 25
VMT reduction per vehicle being driven less: 85 mi
Percentage from coalition: 25%
National Clean Fleets Partnership: No

Project Name	Method	Vehicle Class	GGE Reduced	GHG Reduced
asap masonry supply, inc.	Route Optimization	Heavy-Duty	553 gal	6.9 tons

Fuel saved: 500 gallons
Percentage from coalition: 100%
National Clean Fleets Partnership: No

Project Name	Method	Vehicle Class	GGE Reduced	GHG Reduced
CITY OF BAYTOWN	Route Optimization	Heavy-Duty	7,745 gal	96.0 tons

Fuel saved: 7,000 gallons
Percentage from coalition: 100%
National Clean Fleets Partnership: No

Project Name	Method	Vehicle Class	GGE Reduced	GHG Reduced
City of Houston	Carpooling	Light-Duty	2,100 gal	25.9 tons

Fuel type of vehicles driven less: Gasoline
Fuel economy of vehicles driven less: 30 MPG
Number of vehicles driven less: 120
VMT reduction per vehicle being driven less: 525 mi
Percentage from coalition: 100%
National Clean Fleets Partnership: No

Confirmed by Jedediah Greenfield

Project Name	Method	Vehicle Class	GGE Reduced	GHG Reduced
NuRide CarSharing	Carpooling	Light-Duty	568,878 gal	7,007.3 tons

Fuel saved: 568,878 gallons
Percentage from coalition: 100%
National Clean Fleets Partnership: No

Confirmed with Isaac on 3/2.

Project Name	Method	Vehicle Class	GGE Reduced	GHG Reduced
NuRide Compressed Work Week	Compressed work week	Light-Duty	8,382 gal	103.2 tons

Fuel saved: 8,382 gallons
Percentage from coalition: 100%
National Clean Fleets Partnership: No

Confirmed with Isaac on 3/2.

Project Name	Method	Vehicle Class	GGE Reduced	GHG Reduced
NuRide Telework	Telecommute	Light-Duty	137,640 gal	1,695.4 tons

Fuel saved: 137,640 gallons
Percentage from coalition: 100%
National Clean Fleets Partnership: No

Confirmed with Isaac 3/2.

Project Name	Method	Vehicle Class	GGE Reduced	GHG Reduced
Petroleum Express Inc	Route Optimization	Heavy-Duty	5,220 gal	64.7 tons

Fuel saved: 4,718 gallons
Percentage from coalition: 100%
National Clean Fleets Partnership: No

Project Name	Method	Vehicle Class	GGE Reduced	GHG Reduced
Port of Houston Authority	Vanpooling	Light-Duty	-6,112 gal	-75.3 tons
Fuel type of vehicles driven less: Gasoline **Fuel economy of vehicles driven less:** 26 MPG **Number of vehicles driven less:** 35 **VMT reduction per vehicle being driven less:** 40 mi **Fuel type of additional vehicles:** Gasoline **Fuel economy of additional vehicles:** 12 MPG **Number of additional vehicles:** 5 **VMT per additional vehicle:** 14,797 mi **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *Confirmed with Ken Gathright on 3/2.*				
Sprint Waste Services LP	Route Optimization	Heavy-Duty	22,129 gal	274.4 tons
Fuel saved: 20,000 gallons **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No				
Texas Serenity Academy	Route Optimization	Heavy-Duty	283 gal	3.5 tons
Fuel saved: 256 gallons **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No				
TxDOT - Carpooling	Carpooling	Light-Duty	9,194 gal	113.2 tons
Fuel type of vehicles driven less: Gasoline **Fuel economy of vehicles driven less:** 23 MPG **Number of vehicles driven less:** 72 **VMT reduction per vehicle being driven less:** 2,873 mi **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *Based on participants in the TxDOT CAP program.*				
TxDOT - Mass Transit	Mass transit	Light-Duty	915 gal	11.3 tons
Fuel type of vehicles driven less: Gasoline **Fuel economy of vehicles driven less:** 23 MPG **Number of vehicles driven less:** 4 **VMT reduction per vehicle being driven less:** 5,147 mi **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *Based on participants in the TxDOT CAP program.*				
TxDOT - Non-motorized	Non-motorized locomotion (e.g., bicycles)	Light-Duty	12 gal	0.1 tons
Fuel type of vehicles driven less: Gasoline **Fuel economy of vehicles driven less:** 23 MPG **Number of vehicles driven less:** 4 **VMT reduction per vehicle being driven less:** 67 mi **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *Based on participants in the TxDOT CAP program.*				
TxDOT - Telecommute	Telecommute	Light-Duty	95 gal	1.2 tons
Fuel type of vehicles driven less: Gasoline **Fuel economy of vehicles driven less:** 23 MPG **Number of vehicles driven less:** 1 **VMT reduction per vehicle being driven less:** 2,143 mi **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No *Based on participants in the TxDOT CAP program.*				
Total:			**757,059 gal**	**9,328 tons**

Truck Stop Electrification

Project Name	Number of Bays	Usage per Bay	GGE Reduced	GHG Reduced
IdleAir - Baytown (Conoco)	17	66 hrs/year	1,232 gal	13.2 tons
Percentage from coalition: 100% **National Clean Fleets Partnership:** No *Confirmed by Evelyn Winther.*				
IdleAir - Baytown (Loves)	45	941 hrs/year	46,829 gal	500.6 tons
Percentage from coalition: 100% **National Clean Fleets Partnership:** No *Confirmed by Evelyn Winther.*				
Total:	**62**		**48,061 gal**	**514 tons**

Idle Reduction

Project Name	Number of Vehicles	Idling Reduced per Vehicle	Fuel Saved per Vehicle	GGE Reduced	GHG Reduced
asap masonry supply, inc.	2	13 mins/day 260 days/year	1 gal/hr	95 gal	1.2 tons
Type of project: Automatic engine shutoff **Type of vehicle:** Heavy-Duty - Other **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No					
Brazosport ISD	74	10 mins/day 168 days/year	0 gal/hr	1,009 gal	12.5 tons
Type of project: Automatic engine shutoff **Type of vehicle:** Heavy-Duty - Bus: School **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No					
CITY OF BAYTOWN	70	120 mins/day 210 days/year	0 gal/hr	11,466 gal	142.2 tons
Type of project: Automatic engine shutoff **Type of vehicle:** Light-Duty **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No					
Clear Creek ISD	292	10 mins/day 230 days/year	1 gal/hr	8,670 gal	107.5 tons
Type of project: Automatic engine shutoff **Type of vehicle:** Heavy-Duty - Bus: School **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No					
Galena Park ISD	128	15 mins/day 175 days/year	0 gal/hr	2,726 gal	33.8 tons
Type of project: Automatic engine shutoff **Type of vehicle:** Heavy-Duty - Bus: School **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No					
Galveston ISD	43	15 mins/day 187 days/year	3 gal/hr	6,673 gal	82.7 tons
Type of project: Automatic engine shutoff **Type of vehicle:** Heavy-Duty - Bus: School **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
Houston ISD	1,120	30 mins/day 132 days/year	1 gal/hr	36,960 gal	458.3 tons

Type of project: Policies
Type of vehicle: Heavy-Duty - Bus: School
Percentage from coalition: 100%
National Clean Fleets Partnership: No

Confirmed by Andres Montes via Survey

Klein ISD	296	10 mins/day 180 days/year	0 gal/hr	4,323 gal	53.6 tons

Type of project: Automatic engine shutoff
Type of vehicle: Heavy-Duty - Bus: School
Percentage from coalition: 100%
National Clean Fleets Partnership: No

same as 2016. reported by Karen.

Lodge Lumber Co.	8	10 mins/day 235 days/year	1 gal/hr	263 gal	3.3 tons

Type of project: Automatic engine shutoff
Type of vehicle: Heavy-Duty - Truck: Delivery
Percentage from coalition: 100%
National Clean Fleets Partnership: No

Magnolia ISD	148	10 mins/day 180 days/year	0 gal/hr	2,162 gal	26.8 tons

Type of project: Automatic engine shutoff
Type of vehicle: Heavy-Duty - Bus: School
Percentage from coalition: 100%
National Clean Fleets Partnership: No

METRO	1,223	360 mins/day 305 days/year	1 gal/hr	2,170,947 gal	26,920.2 tons

Type of project: Automatic engine shutoff
Type of vehicle: Heavy-Duty - Bus: Transit
Percentage from coalition: 100%
National Clean Fleets Partnership: No

Confirmed by Edmond Petry

Pearland ISD	125	5 mins/day 180 days/year	0 gal/hr	913 gal	11.3 tons

Type of project: Automatic engine shutoff
Type of vehicle: Heavy-Duty - Bus: School
Percentage from coalition: 100%
National Clean Fleets Partnership: No

Petroleum Express Inc	13	5 mins/day 364 days/year	1 gal/hr	473 gal	5.9 tons

Type of project: Automatic engine shutoff
Type of vehicle: Heavy-Duty - Other
Percentage from coalition: 100%
National Clean Fleets Partnership: No

Sprint Waste Services LP	50	30 mins/day 75 days/year	4 gal/hr	8,299 gal	102.9 tons

Type of project: Automatic engine shutoff
Type of vehicle: Heavy-Duty - Truck: Long-Haul
Percentage from coalition: 100%
National Clean Fleets Partnership: No

Estimated by Jim

Project Name	Number of Vehicles	Idling Reduced per Vehicle	Fuel Saved per Vehicle	GGE Reduced	GHG Reduced
Texas Serenity Academy	12	20 mins/day 196 days/year	0 gal/hr	382 gal	4.7 tons
Type of project: Automatic engine shutoff **Type of vehicle:** Heavy-Duty - Bus: School **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No					
Tomball ISD	162	10 mins/day 180 days/year	0 gal/hr	2,366 gal	29.3 tons
Type of project: Automatic engine shutoff **Type of vehicle:** Heavy-Duty - Bus: School **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No					
WCA Waste	230	360 mins/day 365 days/year	1 gal/hr	25,080 gal	311.0 tons
Type of project: Direct heat with thermal storage cooling **Type of vehicle:** Heavy-Duty - Truck: Refuse **Percentage from coalition:** 5% **National Clean Fleets Partnership:** No					
Reported by David Dominguez on 02/09/2017. ddominguez@wcamerica.com					
WOOD AND MULCH SERVICES INC	7	30 mins/day 200 days/year	1 gal/hr	588 gal	7.3 tons
Type of project: Automatic engine shutoff **Type of vehicle:** Heavy-Duty - Other **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No					
Total:	**4,003**			**2,283,394 gal**	**28,315 tons**

FUEL STATIONS

New Stations

Fuel	Public Stations	Private Stations
Biodiesel	-	-
CNG - Compressed Natural Gas	5	-
E85 - 85% Ethanol	-	-
Electric Charging Outlets	1	18
Hydrogen	-	-
LNG - Liquefied Natural Gas	-	-
Propane	-	-
Total:	**6**	**18**

OUTREACH ACTIVITIES

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Presentation to multiple Chamber of Commerce	01/01/2016	Meeting - Stakeholder	0%	100
Technology: Natural gas vehicles **Audience:** Government				
Held by CNG Energy Partners (Top level Exacutives in Brazoria County)				

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
CNG Safety	01/01/2016	Workshop held by coalition	0%	25
Technology: Natural gas vehicles **Audience:**				
H-GAC Health, Safety & Wellness Fair	01/12/2016	Literature Distribution	100%	100
Technology: Vehicle miles traveled reduction **Audience:** General Public, Government, Transit				
Memorial City Transportation Fair	01/20/2016	Literature Distribution	100%	250
Technology: Vehicle miles traveled reduction **Audience:** General Public, Government, Transit				
Education Outreach	01/21/2016	Conference participation	100%	75
Technology: Natural gas vehicles **Audience:** General Public, Private Fleets				
Rice University Basketball	02/06/2016	Literature Distribution	100%	3,500
Technology: Vehicle miles traveled reduction **Audience:** General Public, Government, Private Fleets, Transit				
University of Houston Basketball	02/13/2016	Literature Distribution	100%	6,000
Technology: Vehicle miles traveled reduction **Audience:** General Public, Government, Private Fleets, Transit				
Gulf Coast Association for Pupil Transportation	02/17/2016	Meeting - Other	20%	50
Technology: Propane **Audience:** Government				
Presentation and propane school bus demonstration at meeting of school bus fleet managers.				
H-GAC General Assembly Annual Meeting	03/04/2016	Literature Distribution	100%	100
Technology: Vehicle miles traveled reduction **Audience:** General Public, Government, Transit				
TxDOT Annual District Safety Banquet	03/08/2016	Literature Distribution	100%	800
Technology: Vehicle miles traveled reduction **Audience:** General Public				
Greater Houston Natural Gas Vehicle Alliance	03/11/2016	Meeting - Other	20%	509
Technology: Natural gas vehicles **Audience:** Government, Private Fleets, Utility				
Bike to Work Day	04/08/2016	Media Event	0%	40
Technology: Vehicle miles traveled reduction **Audience:** General Public, Government				
Air Alliance Houston Earth Day	04/16/2016	Literature Distribution	100%	300
Technology: Vehicle miles traveled reduction **Audience:** General Public				
NASA/JSC Spring Safety, Health & Environmental Fair	04/20/2016	Literature Distribution	100%	2,000
Technology: Vehicle miles traveled reduction **Audience:** General Public				
Staff Attendees: Veronica, Shelley & Erika (NuRide) *CANCELLED: Inclement Weather*				
Memorial Hermann Earth Day	04/20/2016	Literature Distribution	100%	150
Technology: Vehicle miles traveled reduction **Audience:** General Public				

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Memorial Hermann Earth Day **Technology:** Vehicle miles traveled reduction **Audience:** General Public	04/20/2016	Literature Distribution	100%	75
Schlumberger Earth Day **Technology:** Vehicle miles traveled reduction **Audience:** General Public *Staff Attendees: Ch'rese & Veronica*	04/21/2016	Literature Distribution	100%	150
JLL Transportation Fair **Technology:** Vehicle miles traveled reduction **Audience:** General Public *Staff Attendees: Isaac & METRO STAR, METRO & TREK staffs*	04/21/2016	Literature Distribution	100%	50
Williams Tower Earth Day **Technology:** Vehicle miles traveled reduction **Audience:** General Public *Staff Attendees: Isaac & Ch'rese*	04/22/2016	Literature Distribution	100%	150
Greenway Plaza HR Workshop **Technology:** Vehicle miles traveled reduction **Audience:** General Public *Staff Attendees: Ch'rese, Veronica & Isaac*	04/26/2016	Literature Distribution	100%	30
Hines Transportation Fair **Technology:** Vehicle miles traveled reduction **Audience:** General Public *Staff Attendees: Ch'rese & Isaac*	05/04/2016	Literature Distribution	100%	250
Occidental Petroleum Corporation Health & Safety Fair **Technology:** Vehicle miles traveled reduction **Audience:** General Public *Staff Attendees: Ch'rese & Veronica*	05/05/2016	Literature Distribution	100%	125
Gulf Coast Symposium on HR Issues – Day 1 **Technology:** Vehicle miles traveled reduction **Audience:** *Staff Attendees: Isaac & Veronica*	05/12/2016	Literature Distribution	100%	150
H-GAC Bike + Walk to Work Day **Technology:** Vehicle miles traveled reduction **Audience:** *Staff Attendee: Annette*	05/12/2016	Literature Distribution	100%	15
Gulf Coast Symposium for H.R. Issues – Day 2 **Technology:** Vehicle miles traveled reduction **Audience:** *Staff Attendees: Isaac & Francis*	05/13/2016	Literature Distribution	100%	50
Energy Corridor Bike to Work Day **Technology:** Vehicle miles traveled reduction **Audience:** General Public *Staff Attendees: Isaac & Keith*	05/19/2016	Literature Distribution	100%	200
City of Houston Bike to Work Day **Technology:** Vehicle miles traveled reduction **Audience:** *Staff Attendees: Keith & Marco*	05/20/2016	Literature Distribution	100%	250

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Ready or Not Hurricane Workshop	05/25/2016	Literature Distribution	100%	300
Technology: Vehicle miles traveled reduction **Audience:**				
Staff Attendees: Stephan & Keith				
Greenway Plaza Block Party & Transportation Fair	06/09/2016	Literature Distribution	100%	650
Technology: Vehicle miles traveled reduction **Audience:**				
Sugar Land Skeeters Baseball Event	06/11/2016	Literature Distribution	100%	500
Technology: Vehicle miles traveled reduction **Audience:**				
Staff Attendees: Commute Solutions/Public Outreach Staffs				
Juneteenth Festival	06/18/2016	Literature Distribution	100%	200
Technology: Vehicle miles traveled reduction **Audience:**				
Staff Attendees: Veronica, Ayo, Chelsea & Jeff				
2016 Healthcare Hurricane & Emergency Preparedness Summit	06/22/2016	Literature Distribution	100%	300
Technology: Vehicle miles traveled reduction **Audience:**				
Staff Attendees: Stephan & Keith				
M.D. Anderson Cancer Center Transportation Fair	06/23/2016	Literature Distribution	100%	250
Technology: Idle reduction, Vehicle miles traveled reduction **Audience:**				
Staff Attendees: Veronica & Erika (NuRide)				
Texas Southern University – Summer Youth Program	06/24/2016	Literature Distribution	100%	35
Technology: Vehicle miles traveled reduction **Audience:**				
Staff Attendee: Isaac *(Veronica & Rosalind prepared Commute Solutions promotional packets for TSU attendees only)*				
JGC America Health Fair	07/13/2016	Literature Distribution	100%	150
Technology: Vehicle miles traveled reduction **Audience:**				
Idle Reduction Presentation to GCPTA	07/20/2016	Workshop held by coalition	30%	50
Technology: Idle reduction, Natural gas vehicles, Propane **Audience:** Government				
Commute Solutions Re-Launch Event - (Press Conference & Outdoor Festival)	08/04/2016	Conference participation	100%	610
Technology: Vehicle miles traveled reduction **Audience:** General Public, Government, Transit				
Staff Attendees: Commute Solution/Public Outreach & Transportation Staffs				
University of Houston Baseball	08/06/2016	Literature Distribution	100%	0
Technology: Vehicle miles traveled reduction **Audience:**				
Staff Attendees: Keith & Mike *CANCELLED: Inclement Weather*				

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Rice University Baseball	08/06/2016	Literature Distribution	100%	0
Technology: Vehicle miles traveled reduction **Audience:** *Staff Attendees: Ch'rese & Isaac* *CANCELLED: Inclement Weather*				
TNLA Expo	08/13/2016	Meeting - Other	100%	25
Technology: Propane **Audience:** Private Fleets, Utility				
City of Houston Transportation Fair	08/16/2016	Literature Distribution	100%	500
Technology: Vehicle miles traveled reduction **Audience:** *Staff Attendees: Ch'rese & Isaac*				
Schlumberger - Commute Solutions Month & Vanpool Appreciation Event	08/17/2016	Literature Distribution	100%	200
Technology: Vehicle miles traveled reduction **Audience:** *Staff Attendees: Veronica & METRO STAR Staffs*				
Chevron - Commute Solutions Month & Vanpool Appreciation Event	08/19/2016	Literature Distribution	100%	250
Technology: Vehicle miles traveled reduction **Audience:** *Staff Attendees: Isaac, Erika (NuRide) & METRO STAR Staffs*				
TxDOT Transportation Fair #1	08/24/2016	Literature Distribution	100%	150
Technology: Vehicle miles traveled reduction **Audience:** *Staff Attendees: Veronica, Isaac, Erika (NuRide) & METRO STAR Staffs*				
Goodman Manufacturing - Commute Solutions Month & Vanpool Appreciation Event	08/26/2016	Literature Distribution	100%	100
Technology: Vehicle miles traveled reduction **Audience:** *Staff Attendees: Isaac, Erika (NuRide) & METRO STAR Staffs*				
Veteran Administration Hospital - Commute Solutions Month & Vanpool Appreciation Event	08/31/2016	Literature Distribution	100%	45
Technology: Vehicle miles traveled reduction **Audience:** *Staff Attendees: Isaac, Erika (NuRide) & METRO STAR Staffs*				
Cypress Park and Ride - Commute Solutions Month & Vanpool Appreciation Event	09/06/2016	Literature Distribution	100%	400
Technology: Vehicle miles traveled reduction **Audience:** *Staff Attendees: METRO STAR Staffs*				
JC Penney's Katy - Transportation Fair & Vanpool Appreciation Event	09/07/2016	Literature Distribution	100%	100
Technology: Vehicle miles traveled reduction **Audience:** *Staff Attendees: METRO STAR Staff*				

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
EV Demonstration	09/10/2016	Media Event	100%	50
Technology: Electric vehicles **Audience:** General Public				
Assisted with EV Owners Association Event at IKEA				
TxDOT Transportation Fair #2	09/13/2016	Literature Distribution	100%	50
Technology: Vehicle miles traveled reduction **Audience:**				
Staff Attendees: Veronica, Isaac, Erika (NuRide) & METRO STAR Staffs				
Panel Discussion -Employee EV Parking	09/14/2016	Workshop held by coalition	100%	12
Technology: Electric vehicles **Audience:** Government				
Held at University of Houston				
Rice Design Alliance Parking Event	09/16/2016	Literature Distribution	100%	100
Technology: Vehicle miles traveled reduction **Audience:**				
Staff Attendees: Isaac & Jesse				
ProCOT/Clean Cities Propane Event	09/16/2016	Advertisement	100%	30
Technology: Propane **Audience:** General Public, Private Fleets				
Use of Renewable Gas and Tax Benefits Presentation	10/04/2016	Meeting - Stakeholder	100%	15
Technology: Natural gas vehicles **Audience:** General Public				
Held at Rice University				
TxDOT Health & Wellness Fair	10/07/2016	Literature Distribution	100%	350
Technology: Vehicle miles traveled reduction **Audience:**				
Staff Attendees: Veronica, METRO STAR & Enterprise Holdings Staffs				
Fort Bend County Transit Marketing & Outreach for St. Luke's Episcopal Hospital - New Employee Orientations	10/13/2016	Literature Distribution	100%	125
Technology: Vehicle miles traveled reduction **Audience:**				
Staff Attendee: Donna (TREK) *(Veronica provided TREK with Commute Solutions promotional materials)*				
Texas Southern University Tailgating (Homecoming) Event	10/22/2016	Literature Distribution	100%	300
Technology: Propane **Audience:**				
Staff Attendees: Veronica, Paula, Ayo, Michael, Carrie & Tanya				
University of Houston/University of Central Florida Football	10/29/2016	Literature Distribution	100%	507
Technology: Vehicle miles traveled reduction **Audience:**				
Staff Attendees: Ch'rese, Isaac, Veronica, Francis & Rosalind				
Rice University & Florida Atlantic Football	11/05/2016	Literature Distribution	100%	500
Technology: Vehicle miles traveled reduction **Audience:**				
Staff Attendees: Ch'rese, Keith, Francis & Mike				

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
University of Houston & Prairie View A&M University Basketball	12/03/2016	Literature Distribution	100%	214

Technology: Vehicle miles traveled reduction
Audience:

Staff Attendees: Veronica, Keith & Francis

Total:				**22,562**

GRANTS

Grantor	Total Grant Amount	Total Matching Funds	Total Project Funding	Grant Amount Spent in 2016	Matching Funds Spent in 2016	Total Project Funding Spent in 2016
FHWA/TxDOT CMAQ	$6,000,000	$1,200,000	$7,200,000	-	-	$0

Length of grant: 4
Year grant began: 2014
Sources of the grant: Congestion Mitigation and Air Quality Improvement (CMAQ) Program
Purpose: HD Diesel Replacement and alternative fuel infrastructure

Supplemental Environmental Funds	$1,000,000	-	$1,000,000	-	-	$0

Length of grant: 2
Year grant began: 2015
Sources of the grant: State Government
Partners: SEP Fines levied against stationary sources by state
Technologies: CNG - Compressed Natural Gas, Propane
Purpose: School bus retrofit and replacement

Texas Commission on on Environmental Quality	$2,895,000	$0	$2,895,000	-	-	$0

Length of grant: 6
Year grant began: 2013
Sources of the grant: State Government
Technologies: CNG - Compressed Natural Gas
Purpose: Purchase of CNG vehicles

"TERP Grant provided for the purchase of 57 - Class VII delivery trucks and 7 Class VIII tandem axle day cab tractors."
Reported online by Michael Ahart for Southern Foods Group, LLC (dba Oak Farms Dairy) 3/2/16.

Total:	**$9,895,000**	**$1,200,000**	**$11,095,000**	**$0**	**$0**	**$0**