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

2023 Transportation Technology Deployment Report:

Southern California Clean Cities Coalition

Expanded Edition

March 2024

Clean Cities
U.S. Department of Energy

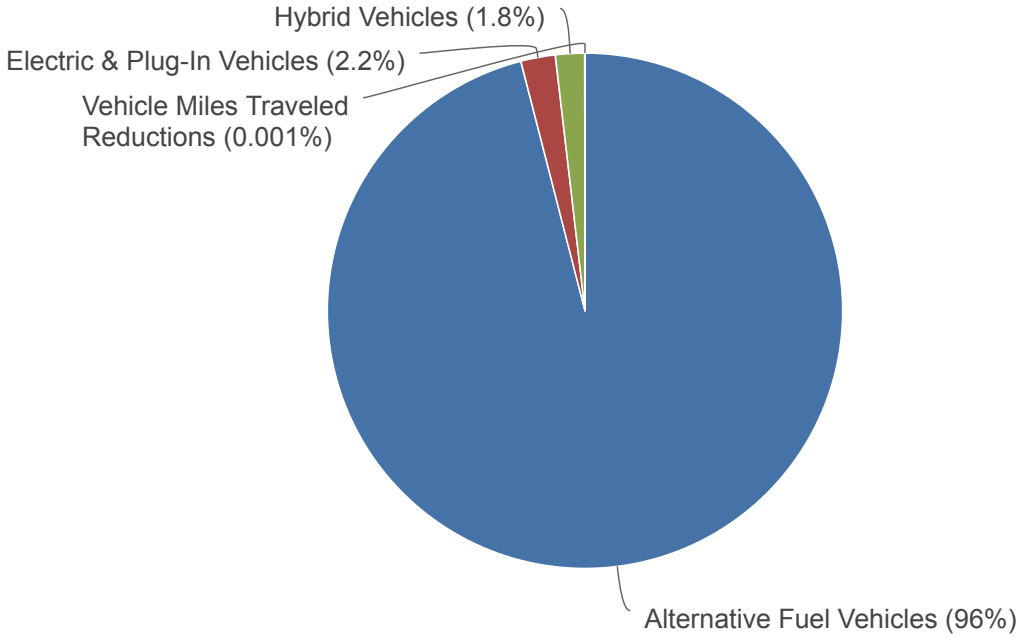
The U.S. Department of Energy's (DOE) Clean Cities Coalition Network fosters the nation's economic, environmental, and energy security by working locally to advance affordable, domestic transportation fuels, energy efficient mobility systems, and other fuel-saving technologies and practices. A national 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 Southern California Clean Cities Coalition.

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

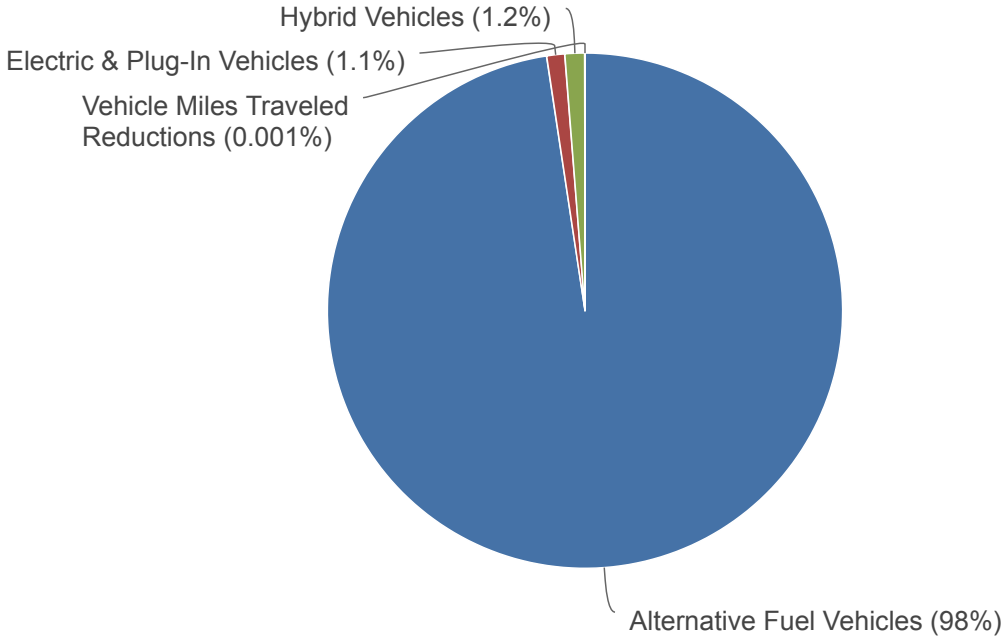
2023 Gallons of Gasoline Equivalent Reduced

38,672,066 gallons

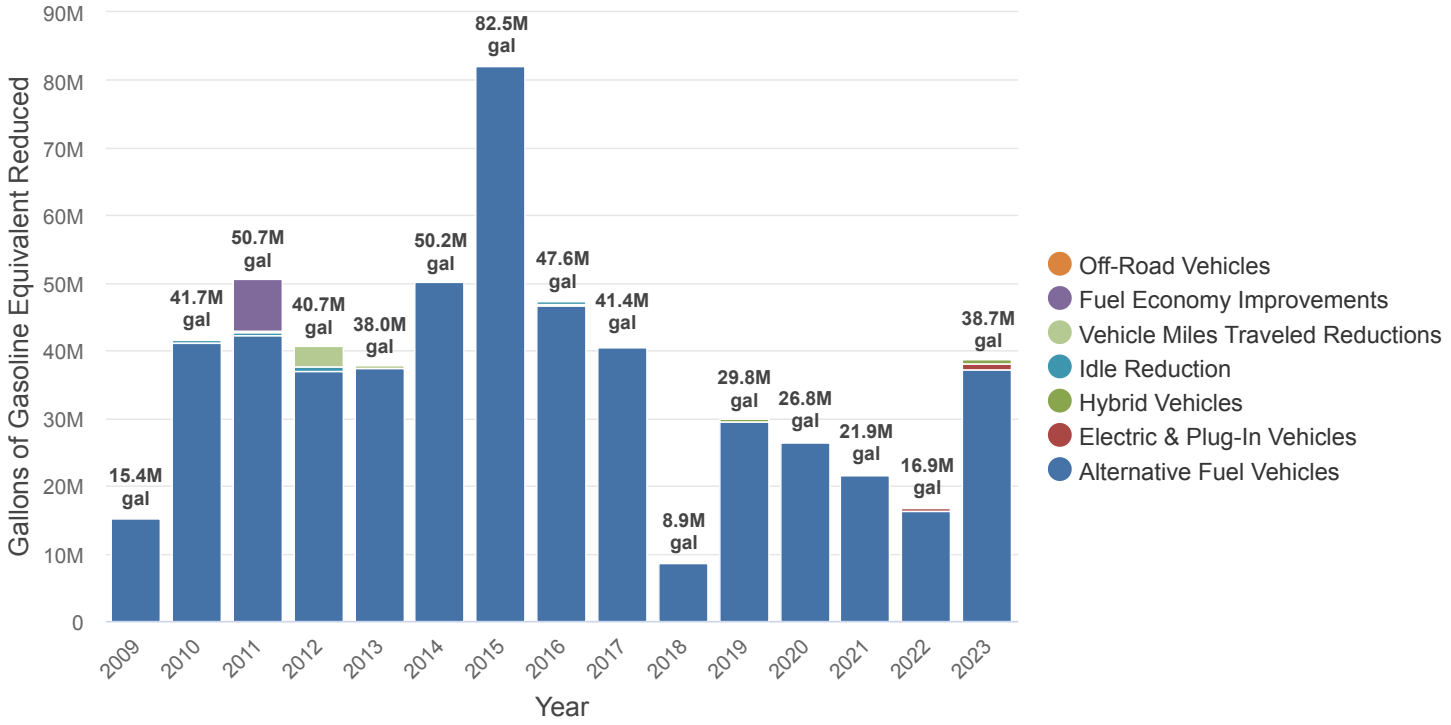


2023 Greenhouse Gas Emissions Reduced

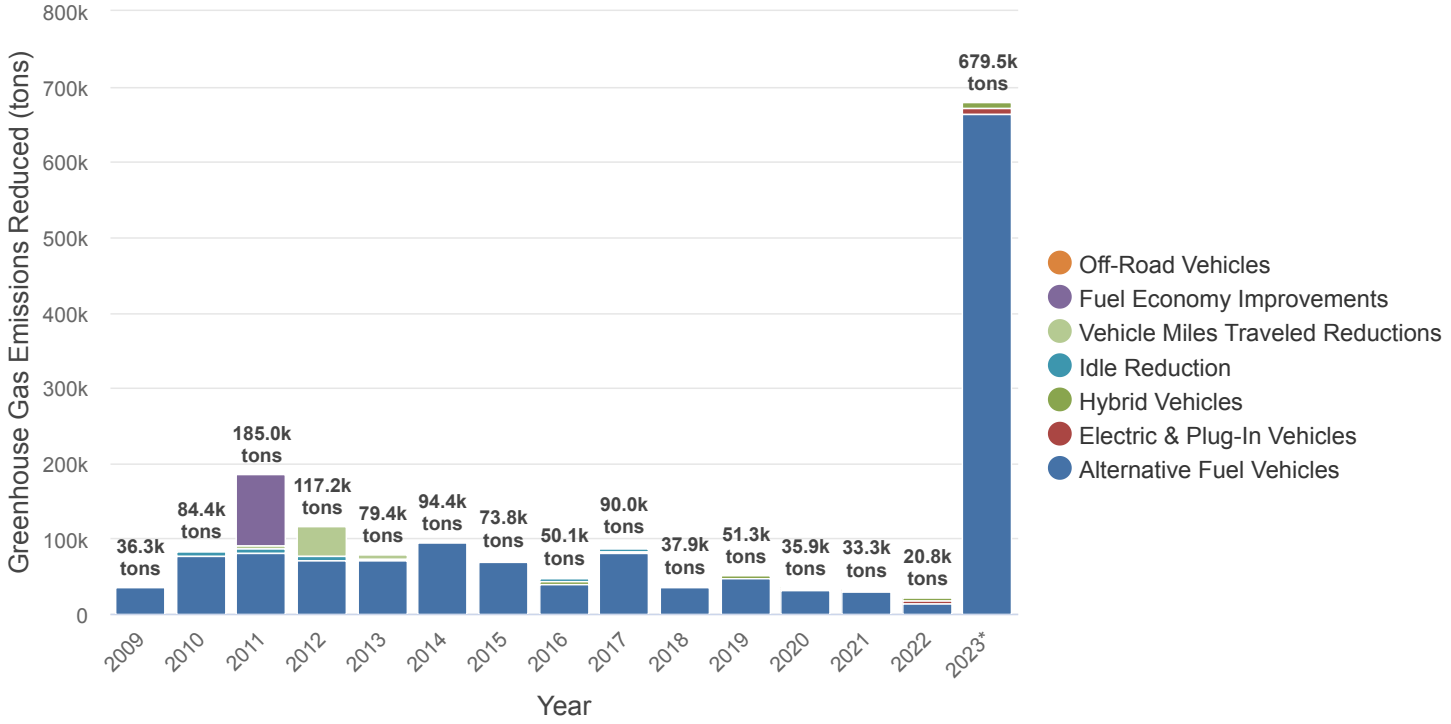
679,464 tons



Historical Gallons of Gasoline Equivalent Reduced



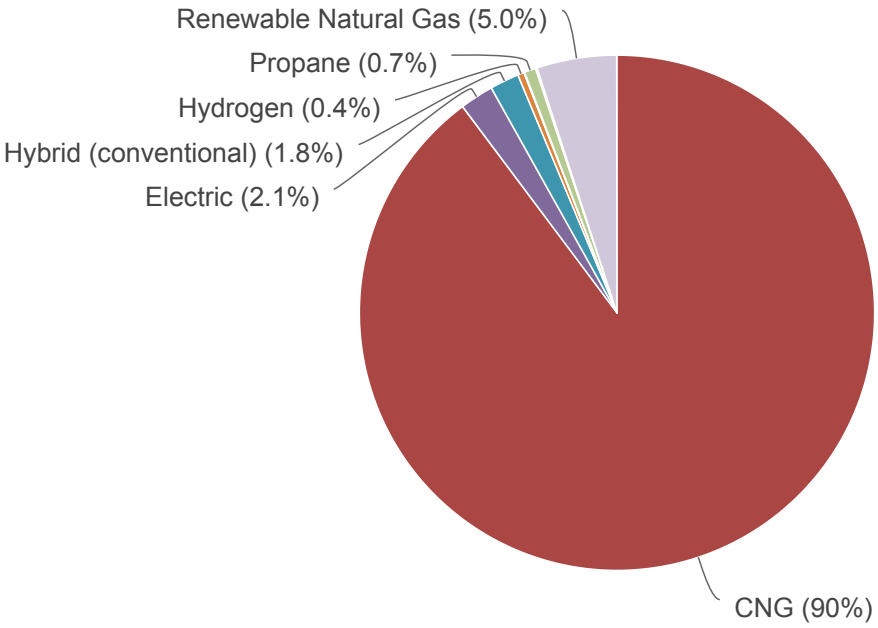
Historical Greenhouse Gas Emissions Reduced



* GHGs displaced from CNG and LNG projects increased in 2023 because Clean Cities and Communities began accounting for the RNG sold into the vehicle fuel market through trading mechanisms set up through the Renewable Fuel Standard and the California Low Carbon Fuel Standard. Please see the Clean Cities and Communities Coalitions 2023 Annual Activity Report for details as to how and why this was allocated.

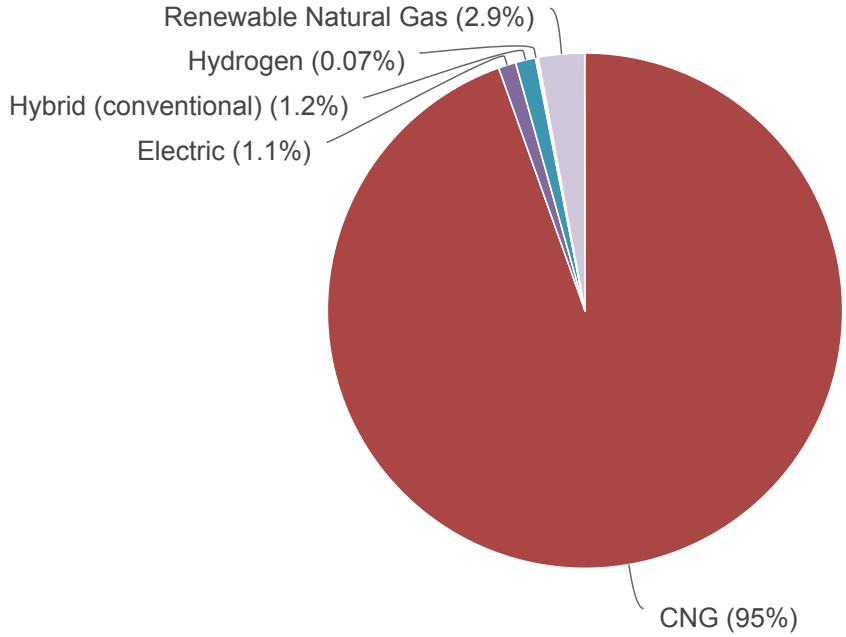
2023 Gallons of Gasoline Equivalent Reduced by Fuel Type for Alternative Fuel Projects

38,671,733 gallons



2023 Greenhouse Gas Emissions Reduced by Fuel Type for Alternative Fuel Projects

679,460 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 and Communities 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 and Communities eLearning.

Reductions by Technology	CO	NOx	VOC*	PM10	PM2.5
Alternative Fuel Vehicles - CNG	2,378,043 lb	50,373 lb	205,898 lb	4,002 lb	-334 lb
Alternative Fuel Vehicles - Hydrogen	37,314 lb	1,028 lb	1,568 lb	-21 lb	21 lb
Alternative Fuel Vehicles - Propane	2,835 lb	54 lb	2,392 lb	-2 lb	-2 lb
Alternative Fuel Vehicles - Renewable Diesel	0 lb	0 lb	13 lb	0 lb	0 lb
Alternative Fuel Vehicles - Renewable Natural Gas	134,183 lb	2,842 lb	11,443 lb	225 lb	-19 lb
Electric, Hybrid & Plug-in Vehicles - Electric	197,521 lb	5,458 lb	8,543 lb	1,263 lb	219 lb
Electric, Hybrid & Plug-in Vehicles - HEV	172,937 lb	4,773 lb	7,388 lb	1,655 lb	332 lb
Electric, Hybrid & Plug-in Vehicles - PHEV	3,115 lb	93 lb	246 lb	32 lb	7 lb
Vehicle Miles Traveled Reductions	53 lb	2 lb	4 lb	1 lb	0 lb
Total:	**2,926,002 lb**	**64,623 lb**	**237,494 lb**	**7,154 lb**	**223 lb**

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

COALITION

Southern California Clean Cities Coalition - CA

https://scag.ca.gov/clean-cities

Designated: 03/01/1996
Boundaries: Counties (including tribal lands): Imperial, Los Angeles, Orange, San Bernardino, Ventura

DIRECTORS

	Address	Telephone	Fax
Marisa Laderach		(213) 236-1927	
Roland Ok	Southern California Association of Governments 900 Wilshire Blvd Los Angeles, CA 90017		

Number of coalition directors	1
Coalition director(s) hours per week on Clean Cities	20 hours
Other staff hours per week on Clean Cities	20 hours
How long have you been the coalition director?	2 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	277
Number of private stakeholders	30
Stakeholder counting notes	Our stakeholders are SCAG's member agencies from local jurisdictions. We also work with transit providers throughout 6 counties. We do additional outreach with local businesses and the general public. The number above includes 197 cities, roughly 40 transit agency stakeholders, and 40 miscellaneous.
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?	Paper, e-mail, or spreadsheet questionnaire to stakeholders, Phone calls to stakeholders
Has your coalition registered with www.grants.gov?	Yes

2023 Outside Funding

Stakeholder dues collected	$0
How much funding is obtained from other sources to cover coalition operating expenses?	$7,500
Non-DOE or ARRA grant and matching funds spent in 2023	$0
Total non-DOE or ARRA funding in 2023	**$7,500**

VEHICLE & FUEL INVENTORY

Alternative Fuel & Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Access Services	Light-Duty	CNG	87	100% of time	126,441 gal	2,239.1 tons
Miles traveled per vehicle: 27,231 mi **Average vehicle fuel economy:** 18 MPGge **Market:** Transit Agency **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
Access Services	Light-Duty	CNG	19	100% of time	24,868 gal	440.4 tons
Miles traveled per vehicle: 24,524 mi **Average vehicle fuel economy:** 18 MPGge **Market:** Transit Agency **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
City of Commerce Transit	Heavy-Duty	CNG	8	100% of time	17,666 gal	305.7 tons
Miles traveled per vehicle: 17,320 mi **Average vehicle fuel economy:** 8 MPGde **Market:** Government - Local **Vehicle type:** Bus: Shuttle **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
City of Commerce Transit	Heavy-Duty	CNG	20	100% of time	42,190 gal	730.1 tons
Miles traveled per vehicle: 16,545 mi **Average vehicle fuel economy:** 8 MPGde **Market:** Government - Local **Vehicle type:** Bus: Shuttle **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
City of Commerce Transit	Light-Duty	CNG	1	100% of time	27 gal	0.5 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Miles traveled per vehicle: 500 mi **Average vehicle fuel economy:** 18 MPGge **Market:** Government - Local **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
City of Culver City Transit	Heavy-Duty	CNG	3	6,054 GGE	6,175 gal	106.9 tons
Market: Transit Agency **Vehicle type:** Bus: Shuttle **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 14,810*						
City of Culver City Transit	Heavy-Duty	CNG	54	399,930 GGE	339,941 gal	6,294.4 tons
Market: Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 25,662*						
City of Culver City Transit	Heavy-Duty	CNG	23	46,930 GGE	39,890 gal	738.6 tons
Market: Government - Local **Vehicle type:** Truck: Refuse **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 4,633*						
City of Culver City Transit	Heavy-Duty	CNG	6	1,475 GGE	1,253 gal	23.2 tons
Market: Government - Local **Vehicle type:** Unknown/Other **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 1,355*						
City of Culver City Transit	Light-Duty	CNG	4	2,253 GGE	2,140 gal	37.9 tons
Market: Government - Local **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per year per vehicle: 5,000*						
City of Gardena GTrans	Heavy-Duty	CNG	18	183,907 GGE	156,321 gal	2,894.5 tons
Market: Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Average number of miles traveled per year: 522,070*						
City of Laguna Beach	Heavy-Duty	Propane	25	80,062 gal	50,517 gal	N/A
Market: Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
* 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.						
City of La Mirada Transit	Heavy-Duty	CNG	1	6,431 GGE	5,466 gal	101.2 tons
Market: Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 9,958*						
City of Norwalk Transit System	Heavy-Duty	CNG	25	277,109 GGE	235,543 gal	4,361.4 tons
Market: Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 35,726*						
City of Redondo Beach-Beach Cities Transit	Heavy-Duty	CNG	5	100% of time	8,171 gal	141.4 tons
Miles traveled per vehicle: 12,817 mi **Average vehicle fuel economy:** 8 MPGde **Market:** General/Unknown **Vehicle type:** Bus: Shuttle **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
City of Redondo Beach-Beach Cities Transit	Heavy-Duty	CNG	14	100% of time	103,379 gal	1,914.2 tons
Miles traveled per vehicle: 28,668 mi **Average vehicle fuel economy:** 3 MPGde **Market:** General/Unknown **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
City of Redondo Beach-Beach Cities Transit	Light-Duty	CNG	1	100% of time	480 gal	8.5 tons
Miles traveled per vehicle: 9,000 mi **Average vehicle fuel economy:** 18 MPGge **Market:** General/Unknown **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No						
City of Santa Clarita Transit	Heavy-Duty	Renewable Diesel	7	33,610 gal	36,813 gal	277.7 tons
Market: Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 20,536*						
City of Santa Clarita Transit	Heavy-Duty	Renewable Natural Gas	101	550,301 GGE	467,756 gal	4,744.5 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Renewable natural gas source: Landfill gas **Renewable natural gas location:** On-site **Market:** Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 27,281*						
City of Santa Monica Big Blue Bus	Heavy-Duty	Renewable Natural Gas	175	1,468,104 GGE	1,247,888 gal	12,657.6 tons
Renewable natural gas source: Landfill gas **Renewable natural gas location:** On-site **Market:** Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 24,457*						
City of Simi Valley Transit	Heavy-Duty	CNG	11	100% of time	53,550 gal	926.6 tons
Miles traveled per vehicle: 38,182 mi **Average vehicle fuel economy:** 8 MPGde **Market:** Government - Local **Vehicle type:** Bus: Shuttle **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Transit buses*						
City of Simi Valley Transit	Heavy-Duty	CNG	12	100% of time	22,874 gal	395.8 tons
Miles traveled per vehicle: 14,950 mi **Average vehicle fuel economy:** 8 MPGde **Market:** Government - Local **Vehicle type:** Bus: Shuttle **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Paratransit cutaways*						
City of Thousand Oaks Transit	Heavy-Duty	CNG	16	114,168 GGE	97,042 gal	1,796.9 tons
Market: Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 25,497*						
City of Whittier	Heavy-Duty	CNG	15	30,624 GGE	26,030 gal	482.0 tons
Market: Government - Local **Vehicle type:** Unknown/Other **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per year per vehicle: 3,470*						
Foothill Transit	Heavy-Duty	CNG	305	4,612,201 GGE	3,920,371 gal	72,590.4 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Market: Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per year per vehicle (fiscal year): 45,577*						
Foothill Transit	Heavy-Duty	Hydrogen	33	34,442 kg	57,863 gal	179.9 tons
Market: Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Amount of fuel used is fiscal year; Miles traveled per vehicle per year (fiscal year): 6,431*						
Gold Coast Transit District	Heavy-Duty	CNG	9	104,962 GGE	44,609 gal	826.0 tons
Market: Government - Local **Vehicle type:** Bus: Transit **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 38,766; Coalition contribution split with Central Coast Clean Cities Coalition*						
Gold Coast Transit District	Heavy-Duty	CNG	14	157,146 GGE	66,787 gal	1,236.6 tons
Market: Government - Local **Vehicle type:** Bus: Transit **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 31,548; Coalition contribution split with Central Coast Clean Cities Coalition*						
Gold Coast Transit District	Heavy-Duty	CNG	3	1,548 GGE	658 gal	12.2 tons
Market: Government - Local **Vehicle type:** Bus: Transit **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 369; Coalition contribution split with Central Coast Clean Cities Coalition*						
Gold Coast Transit District	Heavy-Duty	CNG	9	107,605 GGE	45,732 gal	846.8 tons
Market: Government - Local **Vehicle type:** Bus: Transit **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 33,514; Coalition contribution split with Central Coast Clean Cities Coalition*						
Gold Coast Transit District	Heavy-Duty	CNG	8	81,460 GGE	34,621 gal	641.0 tons
Market: Government - Local **Vehicle type:** Bus: Transit **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 28,721; Coalition contribution split with Central Coast Clean Cities Coalition*						
Gold Coast Transit District	Heavy-Duty	CNG	8	93,159 GGE	39,593 gal	733.1 tons
Market: Government - Local **Vehicle type:** Bus: Transit **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 37,345; Coalition contribution split with Central Coast Clean Cities Coalition*						

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Gold Coast Transit District	Heavy-Duty	CNG	5	64,586 GGE	27,449 gal	508.3 tons
Market: Government - Local **Vehicle type:** Bus: Transit **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 41,855; Coalition contribution split with Central Coast Clean Cities Coalition*						
Gold Coast Transit District	Heavy-Duty	CNG	3	39,322 GGE	16,712 gal	309.4 tons
Market: Government - Local **Vehicle type:** Bus: Transit **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 43,211; Coalition contribution split with Central Coast Clean Cities Coalition*						
Gold Coast Transit District	Heavy-Duty	CNG	4	17,398 GGE	7,394 gal	136.9 tons
Market: Government - Local **Vehicle type:** Bus: Transit **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 12,670; Coalition contribution split with Central Coast Clean Cities Coalition*						
Gold Coast Transit District	Light-Duty	CNG	8	27,771 GGE	13,191 gal	233.6 tons
Market: Government - Local **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 29,772; Coalition contribution split with Central Coast Clean Cities Coalition*						
Gold Coast Transit District	Light-Duty	CNG	12	26,462 GGE	12,569 gal	222.6 tons
Market: Government - Local **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 31,798; Coalition contribution split with Central Coast Clean Cities Coalition*						
LA Metro	Heavy-Duty	CNG	2,025	33,168,049 GGE	19,734,989 gal	365,417.1 tons
Market: Commuters **Vehicle type:** Bus: Transit **Percentage from coalition:** 70% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 40,718.84*						
OmniTrans	Heavy-Duty	CNG	59	2,269,866 GGE	1,929,386 gal	35,724.9 tons
Market: General/Unknown **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Contracted service; Miles traveled per vehicle per year: 30,674*						
OmniTrans	Heavy-Duty	CNG	148	6,570,073 GGE	5,584,562 gal	103,404.9 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Market: Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 38,876*						
Schwan's - Medium-duty Propane	Light-Duty	Propane	2	11,110 gal	8,412 gal	12.9 tons
Market: Corporate Fleet **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 100% **National Clean Fleets Partnership:** Yes **Energy Efficient Mobility Systems Partnership:** No						
SunLine Transit Agency	Heavy-Duty	CNG	4	13,247 GGE	11,260 gal	208.5 tons
Market: Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *MCI; Miles traveled per vehicle per year: 46,692; Geographical boundaries: Coachella Valley*						
SunLine Transit Agency	Heavy-Duty	CNG	54	714,504 GGE	607,328 gal	11,245.4 tons
Market: Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *New flyer; Miles traveled per vehicle per year: 52,192; Geographical boundaries: Coachella Valley*						
SunLine Transit Agency	Heavy-Duty	CNG	40	164,143 GGE	139,522 gal	2,583.4 tons
Market: Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Arboc, Startans, Eldorado; Miles traveled per vehicle per year: 39,103; Geographical boundaries: Coachella Valley*						
SunLine Transit Agency	Heavy-Duty	Hydrogen	26	55,914 kg	93,936 gal	292.1 tons
Market: Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Eldorado, New Flyer; Miles traveled per vehicle per year: 14,384; Geographical boundaries: Coachella Valley*						
SunLine Transit Agency	Light-Duty	CNG	15	14,209 GGE	13,499 gal	239.0 tons
Market: Transit Agency **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Ford F250, GMC3500; Miles traveled per vehicle per year: 10,832; Geographical boundaries: Coachella Valley*						
Torrance Transit System	Heavy-Duty	Renewable Natural Gas	53	100% of time	225,250 gal	2,284.8 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	Fuel Used	GGE Reduced	GHG Reduced
Renewable natural gas source: Landfill gas **Renewable natural gas location:** On-site **Miles traveled per vehicle:** 40,000 mi **Average vehicle fuel economy:** 8 MPGde **Market:** Government - Local **Vehicle type:** Bus: Shuttle **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Municipal Transit Bus used in revenue service*						
UPS - Heavy-duty Propane	Heavy-Duty	Propane	41	288,838 gal	218,700 gal	335.5 tons
Market: Corporate Fleet **Vehicle type:** Truck: No Trailer **Percentage from coalition:** 100% **National Clean Fleets Partnership:** Yes **Energy Efficient Mobility Systems Partnership:** No *NREL RELOAD for CY23. UPS did not report for CY23.*						
Victor Valley Transit Authority	Heavy-Duty	CNG	39	135,546 GGE	115,214 gal	2,133.3 tons
Market: Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Paratransit Cutaways; Miles traveled per vehicle per year: 20,193*						
Victor Valley Transit Authority	Heavy-Duty	CNG	8	103,113 GGE	87,646 gal	1,622.9 tons
Market: Commuters **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Commuter buses; Miles traveled per vehicle per year: 34,574; Geographical boundaries also include Ft. Irwin*						
Victor Valley Transit Authority	Heavy-Duty	CNG	56	1,123,431 GGE	954,916 gal	17,681.4 tons
Market: Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Fixed route buses; Miles traveled per vehicle per year: 46,287*						
Victor Valley Transit Authority	Light-Duty	CNG	4	1,405 GGE	1,335 gal	23.6 tons
Market: Transit Agency **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Non-Revenue Support Vehicles; Miles traveled per vehicle per year: 7,282*						
Total:			**3,646**		**37,125,926 gal**	**663,285 tons**

Electric, Hybrid & Plug-in Vehicles

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Access Services	Light-Duty	HEV	1	132 gal	1.6 tons
Average vehicle fuel economy: 38 MPG **Miles traveled per vehicle per year:** 9,000 mi **Market:** Commuters **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *2016 Ford Fusion*					
Access Services	Light-Duty	PHEV	1	240 gal	2.8 tons
Average electric fuel economy: 28 kWh/100mi **Average vehicle fuel economy:** 38 MPG **Miles traveled per vehicle per year:** 10,000 mi **Market:** Commuters **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *2011 Ford Fusion; Couldn't find fuel economy info (kwh/100 mi) on fueleconomy.gov, so used 28kwh/100 mi, which is a central number for more popular vehicle models, as noted by Caley Johnson from DOE in email 4/4.*					
Antelope Valley Transit Authority	Light-Duty	Electric	10	635 gal	5.7 tons
Average electric fuel economy: 28 kWh/100mi **Miles traveled per vehicle per year:** 1,650 mi **Market:** Transit Agency **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No					
City of Camarillo	Light-Duty	Electric	3	184 gal	1.7 tons
Average electric fuel economy: 29 kWh/100mi **Miles traveled per vehicle per year:** 1,500 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *2023 Chevy Bolt EUV*					
City of Camarillo	Light-Duty	Electric	3	1,348 gal	11.2 tons
Average electric fuel economy: 49 kWh/100mi **Miles traveled per vehicle per year:** 8,000 mi **Market:** Government - Local **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *2023 Ford Lightning EV*					
City of Camarillo	Light-Duty	HEV	3	98 gal	1.2 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Average vehicle fuel economy: 29 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:** - **Energy Efficient Mobility Systems Partnership:** No *2011 Ford Escape*					
City of Camarillo	Light-Duty	PHEV	2	172 gal	2.0 tons
Average electric fuel economy: 32 kWh/100mi **Average vehicle fuel economy:** 40 MPG **Miles traveled per vehicle per year:** 4,000 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *2022 Ford Escape*					
City of Culver City Transit	Heavy-Duty	Electric	4	8,706 gal	58.7 tons
Electricity used: 113,010 kWh **Market:** Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 14,860*					
City of Culver City Transit	Light-Duty	Electric	8	1,877 gal	16.6 tons
Electricity used: 14,024 kWh **Market:** Transit Agency **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 38,977*					
City of Culver City Transit	Light-Duty	Electric	3	4,379 gal	38.6 tons
Electricity used: 32,722 kWh **Market:** Transit Agency **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 47,863*					
City of Culver City Transit	Light-Duty	PHEV	12	10,919 gal	129.0 tons
Average electric fuel economy: 32 kWh/100mi **Average vehicle fuel economy:** 40 MPG **Miles traveled per vehicle per year:** 26,497 mi **Market:** Government - Local **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *(2) 2017, (3) 2020, (6) 2022, (1) 2023 Ford Escape*					

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
City of Culver City Transit	Light-Duty	PHEV	5	949 gal	11.2 tons
Average electric fuel economy: 37 kWh/100mi **Average vehicle fuel economy:** 38 MPG **Miles traveled per vehicle per year:** 10,274 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No					
Mixed electric and plug-in hybrid; (1) 2012, (1) 2014, (1) 2016, (1) 2017, and (1) 2018 Ford Fusion					
City of Gardena GTrans	Heavy-Duty	Electric	6	1,426 gal	9.6 tons
Electricity used: 18,505 kWh **Market:** Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No					
Average number of miles traveled per vehicle per year: 654					
City of Gardena GTrans	Heavy-Duty	HEV	28	689,709 gal	8,227.0 tons
Average vehicle fuel economy: 4 MPG **Miles traveled per vehicle per year:** 402,460 mi **Market:** Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No					
City of Laguna Beach	Heavy-Duty	HEV	2	307 gal	3.7 tons
Average vehicle fuel economy: 20 MPG **Miles traveled per vehicle per year:** 1,400 mi **Market:** Government - Local **Vehicle type:** Unknown/Other **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No					
City of Norwalk Transit System	Heavy-Duty	Electric	4	14,151 gal	95.3 tons
Electricity used: 183,689 kWh **Market:** Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No					
Miles traveled per vehicle per year: 23,740; EV Fuel Economy: 308,454; Replaced Fuel Economy: 13					
City of Norwalk Transit System	Light-Duty	HEV	8	357 gal	4.2 tons
Average vehicle fuel economy: 50 MPG **Miles traveled per vehicle per year:** 2,837 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No					
2015 Toyota Prius C					

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
City of Santa Monica Big Blue Bus	Heavy-Duty	Electric	19	52,539 gal	354.0 tons
Electricity used: 682,009 kWh **Market:** Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 14,995*					
City of Simi Valley Transit	Light-Duty	HEV	6	346 gal	4.1 tons
Average vehicle fuel economy: 42 MPG **Miles traveled per vehicle per year:** 3,355 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *5 2020 Ford Fusions; 1 2023 Ford Escape*					
City of Whittier	Light-Duty	HEV	16	6,703 gal	79.2 tons
Average vehicle fuel economy: 35 MPG **Miles traveled per vehicle per year:** 6,456 mi **Market:** Government - Local **Vehicle type:** Patrol Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No					
City of Whittier	Light-Duty	HEV	3	37 gal	0.4 tons
Average vehicle fuel economy: 35 MPG **Miles traveled per vehicle per year:** 1,007 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No					
Foothill Transit	Heavy-Duty	Electric	19	42,078 gal	283.5 tons
Electricity used: 546,205 kWh **Market:** Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year (fiscal year): 10,631*					
Gold Coast Transit District	Light-Duty	Electric	1	377 gal	3.1 tons
Average electric fuel economy: 49 kWh/100mi **Miles traveled per vehicle per year:** 13,416 mi **Market:** Transit Agency **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 50% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *E-Lighting Ford; Coalition contribution split with Central Coast Clean Cities Coalition*					
Imperial County Transportation Commission	Light-Duty	PHEV	4	2,738 gal	16.5 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Average electric fuel economy: 82 kWh/100mi **Average vehicle fuel economy:** 30 MPG **Miles traveled per vehicle per year:** 29,961 mi **Market:** Transit Agency **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *2022 Chrysler Pacifica*					
LA Metro	Heavy-Duty	Electric	47	567,632 gal	5,687.1 tons
Average electric fuel economy: 167 kWh/100mi **Miles traveled per vehicle per year:** 34,532 mi **Market:** Commuters **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *5 2020 BYD K9M; 2 2020 BYD K11M; 40 2019 New Flyer XE60*					
OmniTrans	Heavy-Duty	Electric	4	13,584 gal	91.5 tons
Electricity used: 176,328 kWh **Market:** Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *New Flyer of America; Miles traveled per vehicle per year: 15,483; Replaced vehicle fuel economy: 3.33*					
OmniTrans	Light-Duty	Electric	10	2,049 gal	17.4 tons
Average electric fuel economy: 30 kWh/100mi **Miles traveled per vehicle per year:** 5,687 mi **Market:** Transit Agency **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *2017 Nissan Leaf E*					
OmniTrans	Light-Duty	Electric	4	2,067 gal	21.6 tons
Average electric fuel economy: 31 kWh/100mi **Miles traveled per vehicle per year:** 5,736 mi **Market:** Transit Agency **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *2018 Ford Focus E*					
OmniTrans	Light-Duty	HEV	13	8,147 gal	96.3 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Average vehicle fuel economy: 38 MPG **Miles traveled per vehicle per year:** 13,503 mi **Market:** Transit Agency **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *2016 Ford C-Max H*					
SunLine Transit Agency	Heavy-Duty	Electric	4	17,999 gal	177.7 tons
Average electric fuel economy: 180 kWh/100mi **Miles traveled per vehicle per year:** 12,866 mi **Market:** Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *BYD K9M; EV Fuel economy: 1.8kwh/mile- multiplied by 100 to get kwh/100 miles*					
SunLine Transit Agency	Light-Duty	Electric	25	20,113 gal	182.7 tons
Average electric fuel economy: 28 kWh/100mi **Miles traveled per vehicle per year:** 19,630 mi **Market:** Transit Agency **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *Chevy Bolts*					
SunLine Transit Agency	Light-Duty	HEV	2	560 gal	6.6 tons
Average vehicle fuel economy: 27 MPG **Miles traveled per vehicle per year:** 14,618 mi **Market:** Transit Agency **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *Ford Explorer hybrid*					
SunLine Transit Agency	Light-Duty	HEV	1	229 gal	2.7 tons
Average vehicle fuel economy: 23 MPG **Miles traveled per vehicle per year:** 18,059 mi **Market:** Transit Agency **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *Chevy Tahoe*					
Torrance Transit System	Light-Duty	HEV	4	824 gal	9.7 tons

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Average vehicle fuel economy: 42 MPG **Miles traveled per vehicle per year:** 12,000 mi **Market:** Government - Local **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *These are gasoline hybrid electric vehicles; 2020 Ford Fusion*					
Torrance Transit System	Light-Duty	PHEV	8	1,374 gal	16.2 tons
Average electric fuel economy: 32 kWh/100mi **Average vehicle fuel economy:** 40 MPG **Miles traveled per vehicle per year:** 5,000 mi **Market:** Government - Local **Vehicle type:** Pickup/SUV/Van **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *These are gasoline hybrid electric vehicles; 2021 (4 vehicles), 2022 (4 vehicles) Ford Escape*					
UPS - Medium-duty Hybrids	Heavy-Duty	HEV	5	1,602 gal	19.1 tons
Average vehicle fuel economy: 24 MPG **Miles traveled per vehicle per year:** 2,527 mi **Market:** Corporate Fleet **Vehicle type:** Truck: No Trailer **Percentage from coalition:** 100% **National Clean Fleets Partnership:** Yes **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *NREL RELOAD for CY23. UPS did not report for CY23.* *UPS indicates that their hybrid vehicles see up to 4x improvement in fuel economy compared to their conventional counterparts.*					
UPS - Medium-duty PHEV	Heavy-Duty	PHEV	6	1,448 gal	9.9 tons
Electricity used: 14,391 kWh **Market:** Corporate Fleet **Vehicle type:** Truck: No Trailer **Percentage from coalition:** 100% **National Clean Fleets Partnership:** Yes **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *NREL RELOAD for CY23. UPS did not report for CY23.*					
Victor Valley Transit Authority	Heavy-Duty	Electric	12	61,649 gal	415.4 tons
Electricity used: 800,261 kWh **Market:** Transit Agency **Vehicle type:** Bus: Transit **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 27,670.75; Replaced vehicle fuel economy: 2.4*					
Victor Valley Transit Authority	Light-Duty	Electric	6	3,959 gal	34.9 tons
Electricity used: 29,583 kWh **Market:** Transit Agency **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *Miles traveled per vehicle per year: 11,837.83; (2) 2016 Ford Fusion, (2) 2016 Nissan Leaf, (2) 2017 Nissan Leaf*					

Fleet/Station Name	Vehicle Class	Fuel	Number of Vehicles	GGE Reduced	GHG Reduced
Victor Valley Transit Authority	Light-Duty	HEV	4	1,103 gal	13.0 tons
Average vehicle fuel economy: 32 MPG **Miles traveled per vehicle per year:** 12,564 mi **Market:** Transit Agency **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *(1) 2005 Ford Escape, (1) 2008 Ford Escape, (2) 2012 Ford Escape*					
Victor Valley Transit Authority	Light-Duty	PHEV	3	1,065 gal	12.6 tons
Average electric fuel economy: 33 kWh/100mi **Average vehicle fuel economy:** 42 MPG **Miles traveled per vehicle per year:** 23,837 mi **Market:** Transit Agency **Vehicle type:** Car **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Workplace Charging Challenge:** - **Energy Efficient Mobility Systems Partnership:** No *2020 Ford Fusion*					
Total:			**329**	**1,545,807 gal**	**16,175 tons**

FUEL ECONOMY

Vehicle Miles Traveled Reductions

Project Name	Method	Vehicle Class	GGE Reduced	GHG Reduced
Imperial County Transportation Commission	Car sharing (e.g., Zipcar)	Light-Duty	333 gal	3.9 tons
Fuel type of vehicles driven less: Gasoline **Fuel economy of vehicles driven less:** 30 MPG **Number of vehicles driven less:** 4 **VMT project per vehicle being driven less:** 2,500 mi **Percentage from coalition:** 100% **National Clean Fleets Partnership:** No **Energy Efficient Mobility Systems Partnership:** No *Started January 2023*				
Total:			**333 gal**	**4 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	36	22
EVSE Ports (Chargers): DC Fast Chargers	4	4
Hydrogen	-	2
LNG - Liquefied Natural Gas	-	-

Fuel	Public Stations	Private Stations
Propane	-	-
Total:	**40**	**28**

OUTREACH ACTIVITIES

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Meeting support and presentations to SCAG's Energy & Environment, Transportation, and Emerging Technologies Committees	02/23/2023, 06/01/2023, 10/26/2023, 11/02/2023	Meeting - Other	100%	75
Technology: Electric vehicles, Hybrid electric vehicles, Hydrogen, Natural gas vehicles, Renewable diesel, Vehicle miles traveled reduction **Audience:** General Public, Government, Private Fleets, Utility, Other *Coalition staff provided meeting support and gave several presentations to the SCAG Policy Committees about SCAG's Clean Transportation Technology Program, PEV Study, and Clean Transportation Technology Compendium.* *In addition, staff from the DOE presented on DOE's State and Community Energy Programs at the Energy & Environment Committee Meeting 11/02/2023.*				
Zero Emission Truck Infrastructure (ZETI) Study Technical Advisory Committee Meetings	07/13/2023, 10/11/2023, 12/13/2023	Meeting - Other	100%	61
Technology: Electric vehicles, Fuel economy improvements, Hybrid electric vehicles, Hydrogen, Vehicle miles traveled reduction **Audience:** Government, Private Fleets, Utility, Other *SCAG hosted three Technical Advisory Committee (TAC) meetings for the ZETI Study. The TAC was composed of representatives from industry, community groups, and government agencies. The TAC provided guidance on the the development of a regional roadmap for supporting infrastructure for battery electric and hydrogen fuel-celled zero-emission medium- and heavy-duty (ZE MD/HD) vehicles in the SCAG region. The TAC supplied SCAG with advice toward the implementation of infrastructure for ZE MD/HD vehicles reflecting perspectives of the private and public sectors.*				
Listening session with University of California, Irvine	04/24/2023	Meeting - Stakeholder	50%	19
Technology: Idle reduction **Audience:** Government *SCAG and UCI hosted a listening session on an AI-Based Mobility project in the city of Irvine.*				
ZETI Focus Groups	08/24/2023, 08/28/2023, 08/31/2023	Meeting - Stakeholder	75%	25
Technology: Electric vehicles, Fuel economy improvements, Hybrid electric vehicles, Hydrogen, Vehicle miles traveled reduction **Audience:** Government, Private Fleets, Utility, Other *The consultant team conducted three focus group sessions. The focus groups were comprised of various perspectives including but not limited to academic research institutions, community-based organizations, regulatory agencies, transportation agencies, and utilities.*				
ZETI Interviews	08/18/2023, 08/28/2023, 08/29/2023, 08/30/2023, 09/01/2023, 09/08/2023, 09/13/2023, 09/14/2023, 09/18/2023	Meeting - Stakeholder	75%	11

Activity Name	Dates	Activity Type	Percentage from Coalition	Persons Reached
Technology: Electric vehicles, Fuel economy improvements, Hybrid electric vehicles, Hydrogen, Vehicle miles traveled reduction **Audience:** Private Fleets *SCAG's consultant team conducted eleven (11) one-on-one interviews to gain additional perspective and understanding of the important barriers and challenges for zero emission medium- and heavy-duty trucks.* *The interviews provided additional perspective and understanding of the important barriers and challenges for zero emission medium- and heavy-duty trucks. In contrast to the focus groups, which brought together multiple industries to discuss a topic area from various perspectives, the interviews allowed one stakeholder to explain the key challenges their company is facing. These individuals brought a different perspective to the study, these were not the same fleets/fleet managers that took part in the survey but provided private industry perspective on what barriers are specific challenging to them and others in the trucking industry as the industry transitions to ZETs.*				
ZETI Industry Outreach Survey	05/01/2023	Meeting - Stakeholder	75%	103
Technology: Electric vehicles, Fuel economy improvements, Hybrid electric vehicles, Hydrogen, Vehicle miles traveled reduction **Audience:** Private Fleets, Other *The survey team distributed a survey to fleet operators. The survey was intended to build an understanding of how fleets in Southern California are currently operating, their familiarity with ZEV regulations and incentive programs, their plans for transitioning to a ZEV fleet, and their requirements for public charging infrastructure.* *The survey was conducted by phone, with project team members administering the survey. As part of the survey approach, the team focused on reaching out to fleet operators of various sizes to reduce the potential for skewing the results.* *103 firms responded to the survey over a 6-week duration.*				
Total:				**294**

GRANTS

Name	Grantor	Total Grant Amount	Total Matching Funds	Total Project Funding	Grant Amount Spent in 2023	Matching Funds Spent in 2023	Total Project Funding Spent in 2023
AI-Based Mobility Monitoring System and Analytics Demonstration P	USDOE via Regents of the University of California	$30,000	-	$30,000	$7,500	-	$7,500
Additional grant money added since start: $0 **Additional matching funds added since start:** $0 **Length of grant:** 4 years **Year grant began:** 2021 **Sources of the grant:** U.S. Department of Energy **Technologies:** Electricity, Idle Reduction, Vehicle-Miles Traveled Reductions							
Total:		**$30,000**	**$0**	**$30,000**	**$7,500**	**$0**	**$7,500**