

Land of Sky Clean Vehicles Coalition – 2021 Calendar Year Fleet Data Collection Survey



Please email your survey to paul@landofsky.org or fax to 828-251-6353 by March 31, 2022.

Please fill out the top of p. 5 that totals all vehicles & petroleum use.

If you need more space to provide any details, use the Notes field on p. 5.

Fleet Name: _____ Contact Name: _____ Email: _____

Fleet HQ or vehicle domicile address: _____ Best phone #: _____

Alternative Fuel Vehicle & Alternative Fuel Use Inventory

<u>Vehicle Class</u> (examples) Light Duty = < 10,000 lbs GVWR Heavy Duty = 10,000 lbs GVWR and up	<u>Number of AFVs</u> by Vehicle Class as of the end of 2021	<u>Example Makes / Models of Your AFVs</u> as of the end of 2021 (No need to list all, just some major examples)	<u>Total Alt Fuel</u> used in 2021 Calendar Year
BIODIESEL ONLY – Please also specify the blend level used during the year (e.g., B5, B20); average if necessary.			
On-road Light Duty (cars, small trucks)			
On-road Heavy Duty (larger trucks)			
Off-road Light Duty (small backhoes)			
Off-road Heavy Duty (cranes)			
Stationary equipment (generators)			
E85 ETHANOL – Flex Fuel Vehicles (FFVs)			
On-road Light Duty - FFVs			gallons
PROPANE ONLY			
On-road Light Duty	Bi-fuel (uses propane & gas)		
	Dedicated (propane only)		
On-road Heavy Duty	Bi-fuel (eg. 450s, shuttles, delivery)		
	Dedicated (eg. bobtails, trucks)		
Off-road & Equip. Light Duty (mowers)			
Off-road & Equip. Heavy Duty			

<u>Vehicle Class</u> (examples) Light Duty = < 10,000 lbs GVWR Heavy Duty = 10,000 lbs GVWR and		<u>Number of AFVs</u> by Vehicle Class as of the end of 2021	<u>Example Makes / Models of Your AFVs</u> as of the end of 2021 (No need to list all, just some major examples)	<u>Total Alt Fuel</u> used in Calendar Year 2021 Please circle or specify your units!	
LIQUIFIED NATURAL GAS – LNG ONLY					
On-road <u>Heavy Duty</u> (class 8)				LNG gallons / GGEs / DGEs	
COMPRESSED NATURAL GAS – CNG ONLY					
On-road Light Duty	<i>Bi-fuel (Civics, F-150s)</i>			CNG / GGEs / DGEs	
	<i>Bi-fuel</i>				
	<i>Dedicated (trucks)</i>				
On-road Heavy Duty	<i>Bi-fuel (uncommon)</i>				
	<i>Dedicated (trucks)</i>				
	<i>Dedicated</i>				
Off-road & Equip. Light Duty					
Off-road & Equip. <u>Heavy Duty</u>					

Idle REDUCTION

Have you installed any device or technologies that help some of your vehicles **reduce idling time**? If so, please fill out the below information.

Examples: Batteries or battery replacements, idle-reduction devices like time limiters.

Vehicles Equipment Installed On	Number of Vehicles w/ Tech.	Devices or Technology Installed	Idling reduced:		Fuel Being Saved: Gas or Diesel	Avg. gals saved / hour-vehicle
			(min.s/day)	(days/year)		

Hybrid, Electric and Plug-in Hybrid Electric Vehicle & Fuel Use INVENTORY

Several rows are provided to give you more spaces to enter data. "Old MPG" refers to the fuel economy of the vehicles that the new vehicles replaced.

<u>Vehicle Class</u> (examples) Light Duty = < 10,000 lbs GVWR Heavy Duty = 10,000 lbs GVWR and		<u>Number of AFVs</u> by Vehicle Class as of the end of 2021	<u>Example Makes / Models of Your AFVs</u> as of the end of 2021 (No need to list all, just some major examples)	<u>Values to get to Total Petroleum Savings</u> in Calendar Year 2021 <i>Provide miles/yr & both old and new vehicle MPGs!</i>			
HYBRID VEHICLES ONLY <i>These do NOT plug in.</i>				<u>miles/year</u>	<u>New MPG</u>	<u>Old MPG</u>	
On-road Light Duty (Ford Fusion, Escape or C-Max; Toyota Prius)							
On-road Heavy Duty (bucket trucks)							
PLUG-IN ELECTRIC & PLUG-IN HYBRID ELECTRIC VEHICLES ONLY -- <i>These ALL PLUG IN for at least part of their fuel.</i>							
For the below rows, please provide miles driven per year ---> Please also include the kWhs of electricity used (if known) & the MPG of new & old vehicles!				<u>miles/year</u>	<u>kWhs</u>	<u>New MPG</u>	<u>Old MPG</u>
On-road Light Duty	PHEVs (Chevy Volt, Ford C-Max Energi, Prius Plug-in)						
	BEVs (Nissan Leaf, Chevy Bolt)						
	<u>Low-speed EVs</u> (LSVs, NEVs)						
On-road Heavy Duty	PHEVs (bucket)						
	BEVs (delivery)						
Off-road vehicles & equipment Electric off-road equip. (not street legal) including golf carts (tugs, tractors, forklifts, etc.)							

Fuel Economy Devices or Technologies

Have you installed any devices or technologies that make some of your fleet more fuel efficient? If so, please fill out the below information.

Examples: APUs, Super Single tires, trailer tails, trailer skirts, speed limiters.

Vehicles Devices Installed On	Devices or Technology Installed	# of vehicles	Old fuel econ.	NEW fuel econ.	Miles / year-vehicle

Fuel Economy INVENTORY

Have you replaced any conventional vehicles in the past year **with vehicles that are more efficient?** If so, please list the retired and the replacement vehicle(s) below.

This is only for more fuel-efficient vehicle replacements; if you have listed vehicles elsewhere because they use alternative fuels, please ***do not*** list them here.

RETIRED Vehicle						REPLACEMENT Vehicle					
Vehicle Year	Vehicle Make	Vehicle Model	Fuel Type Gas/Diesel	MPG	Miles/yr	Vehicle Year	Vehicle Make	Vehicle Model	Fuel Type Gas/Diesel	MPG	Miles/yr
<i>EX:2007</i>	<i>Ford</i>	<i>F-250 4WD</i>	<i>Gas</i>	<i>11</i>	<i>9,000</i>	<i>2021</i>	<i>Ford</i>	<i>F-150</i>	<i>Gas</i>	<i>17</i>	<i>9,000</i>

Overall -- TOTAL Fleet Numbers & Petroleum Fuel Use Data

<u>Vehicle Class</u> Light Duty = < 10,000 lbs GVWR Heavy Duty = 10,000 lbs GVWR + up	<u>Example Vehicles</u>	<u>Number of Vehicles by Class</u> as of the end of 2021	<u>Total Gasoline Used</u> in Calendar Year 2021	<u>Total DIESEL Used</u> in Calendar Year 2021
ALL VEHICLES - The below numbers should be for ALL your vehicles, INCLUDING AFVs.			Please SPLIT gasoline or diesel use by on- & off-road, if possible.	
On-road Light Duty	Sedans, F-250 + below trucks, smaller diesels		<i>gallons</i>	<i>gallons</i>
On-road Heavy Duty	Larger trucks, F-350 + up			
Off-road Light Duty	Smaller backhoes, forklifts			
Off-road Heavy Duty	Cranes, unique equipment			
Stationary equipment	Generators			

Abbreviations: AFV = alt. fuel vehicle; lbs = pounds; GVWR = gross vehicle weight rating; CY = calendar year; GGE = gasoline gallon equivalent; DGE = diesel gallon equivalent; NEV = neighborhood electric vehicle; BEV = battery electric vehicle (NEVs + BEVs are pure EVs that run on electricity only; no engine); PHEV = plug-in hybrid electric vehicle (PHEVs run on electricity and a gasoline or diesel engine).

ADDITIONAL NOTES for 2021

– Please use the below notes field to provide any additional notes or information.