Tennessee Clean Fuels – 2019 Calendar Year Fleet Data Collection SURVEY

*Please return survey to Jonathan Overly either by email to **jonathan@etcleanfuels.org** or **fax to 865-974-1838 by January 29, 2020**.*
MAKE SURE you fill out the TOP of p. 5 – all vehicles & petroleum use! *If you need more space for any comments, 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

Vehicle Class *(examples)* *Light Duty = < 10,000 lbs GVWR* *Heavy Duty = 10,000 lbs GVWR and up*		**Number of AFVs by Vehicle Class as of the end of 2019**	**Make / Model of Your AFVs as of the end of 2019** *Don't have to list all, just some major examples*	**Total Alt Fuel used in Calendar Year 2019**
BIODIESEL ONLY – *Please also specify the blend level you 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)*				*gallons*
E85 ETHANOL ONLY – Flex Fuel Vehicles (FFVs)				
On-road Light Duty - FFVs				*gallons*
PROPANE ONLY				
On-road Light Duty	***Bi-fuel*** *(police cars, trucks)*			
	Dedicated *(cars, shuttles, trucks)*			
On-road Heavy Duty	***Bi-fuel*** *(450s, shuttles, delivery)*			
	Dedicated *(bobtails, trucks)*			
Off-road & Equip. Light Duty *(mowers)*				
Off-road & Equip. Heavy Duty				*gallons*

Vehicle Class *(examples)* *Light Duty = < 10,000 lbs GVWR* *Heavy Duty = 10,000 lbs GVWR and up*		**Number of AFVs by Vehicle Class as of the end of 2019**	**Make / Model of Your AFVs as of the end of 2019** *Don't have to list all, just some major examples*	**Total Alt Fuel used in Calendar Year 2019** *Please circle or specify your units!*
LIQUIFIED NATURAL GAS – LNG ONLY				
On-road Heavy Duty *(class 8)*				*LNG gallons / GGEs / DGEs*
COMPRESSED NATURAL GAS – CNG ONLY				
On-road Light Duty	***Bi-fuel*** *(Civics, F-150s)*			
	Bi-fuel			
	Dedicated *(trucks)*			
On-road Heavy Duty	***Bi-fuel*** *(uncommon)*			
	Dedicated *(trucks)*			
	Dedicated			
Off-road & Equip. Light Duty				
Off-road & Equip. Heavy Duty				*CNG GGEs / DGEs*

Idle REDUCTION

*Have you installed any devise 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./dy)	(day/yr)		

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

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

Vehicle Class *(examples)* *Light Duty = < 10,000 lbs GVWR* *Heavy Duty = 10,000 lbs GVWR and up*		**Number of AFVs by Vehicle Class as of the end of 2019**	**Make / Model of Your AFVs as of the end of 2019** *Don't have to list all; if many, just major examples*	**Values to get to Total Petroleum Savings in Calendar Year 2019** *Provide miles/yr & both old and new vehicle MPGs!*		
HYBRID VEHICLES ONLY – *These do NOT plug in.*				***miles/year***	***New MPG***	***Old MPG***
On-road Light Duty *(Ford Fusion, Escape or C-Max; Toyota Prius)*						
On-road Heavy Duty *(bucket trucks)*						
PLUG-IN ELECTRIC & HYBRID ELECTRIC VEHICLES ONLY– BEVs & PHEVs – *These ALL PLUG IN for at least part of their fuel.*						
For the below rows, please include the ***kWhs of electricity used*** *(if known),* ***miles driven*** *& the MPG of new & old vehicles!*				***kWhs***	***miles/year***	***New MPG***	***Old MPG***
On-road Light Duty	**PHEVs** *(Chevy Volt, Ford C-Max Energi, Prius Plug-in)*						
	BEVs *(Nissan Leaf, Chevy Spark, Tesla)*						
	Low-speed EVs (LSVs, NEVs)						
On-road Heavy Duty	PHEVs *(bucket)*						
	BEVs *(delivery)*						
Off-road vehicles & equipment (tugs, tractors, forklifts, etc.) *Electric off-road equip. including golf carts (not street legal)*							

Fuel Economy DEVICES OR TECHNOLOGIES

*Have you installed any devises or technologies that make some of your fleet **more fuel efficient**?* If so, please fleet 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
EX: *2007*	*Ford*	*F-250 4WD*	*Gas*	*11*	*9,000*	*2019*	*Ford*	*F-150*	*Gas*	*17*	*9,000*

Overall -- TOTAL Fleet Numbers & Petroleum Fuel Use Data

Vehicle Class *Light Duty = < 10,000 lbs GVWR* *Heavy Duty = 10,000 lbs GVWR + up*	**Examples** *These are just examples!*	**Number of Vehicles by Type as of the end of 2019**	**Total GASOLINE Used in Calendar Year 2019**	**Total DIESEL Used in Calendar Year 2019**
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			
On-road Heavy Duty	Larger trucks			
Off-road Light Duty	Smaller backhoes, forklifts			
Off-road Heavy Duty	Cranes, unique equipment			
Stationary equipment	Generators		*gallons*	*gallons*

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 2019

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