# Tennessee Clean Fuels – 2021 Calendar Year Fleet Data Collection SURVEY

*Please email your survey to **"survey@etcleanfuels.org"** or **fax to 865-974-1838 by February 11, 2022**.*

***MAKE SURE you fill out the TOP of p. 5 – 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

| **Vehicle Class** *(examples)*<br>*Light Duty = < 10,000 lbs GVWR*<br>*Heavy Duty = 10,000 lbs GVWR and up* | | **Number of AFVs by Vehicle Class as of the end of 2021** | **Example Makes / Models of Your AFVs as of the end of 2021**<br>*Don't have to list all, just some major examples* | **Total Alt Fuel used in Calendar Year 2021** |
|---|---|---|---|---|
| **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)*<br><br>*Light Duty = < 10,000 lbs GVWR*<br>*Heavy Duty = 10,000 lbs GVWR and up* | | **Number of AFVs by Vehicle Class as of the end of 2021** | **Example Makes / Models of Your AFVs as of the end of 2021**<br><br>*Don't have to list all, just some major examples* | **Total Alt Fuel used in Calendar Year 2021**<br><br>*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.s/day) | (days/year) | | |
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## 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.*

| **Vehicle Class** *(examples)*<br>*Light Duty = < 10,000 lbs GVWR*<br>*Heavy Duty = 10,000 lbs GVWR and up* | | **Number of AFVs by Vehicle Class as of the end of 2021** | **Example Makes / Models of Your AFVs as of the end of 2021**<br>*Don't have to list all; if many, just major examples* | **Values to get to Total Petroleum Savings in Calendar Year 2021**<br>*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**<br>*(Ford Fusion, Escape or C-Max; Toyota Prius)* | | | | | | |
| | | | | | | |
| | | | | | | |
| **On-road Heavy Duty**<br>*(bucket trucks)* | | | | | | |
| | | | | | | |

| **PLUG-IN ELECTRIC & PLUG-IN HYBRID ELECTRIC VEHICLES ONLY – BEVs & PHEVs.** *These ALL PLUG IN for at least part of their fuel.* | | | | | | | |
|---|---|---|---|---|---|---|---|
| *For the below rows,* ***it is critical that we receive the miles driven per year!*** *--->*<br>*Please also include the* ***kWhs of electricity used*** *(if known) & the MPG of new & old vehicles!* | | | | ***miles/year*** | ***kWhs*** | ***New MPG*** | ***Old MPG*** |
| **On-road Light Duty** | **PHEVs** *(Chevy Volt, Ford C-Max Energi, Prius Plug-in)* | | | | | | |
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| | | | | | | | |
| | **BEVs** *(Nissan Leaf, Chevy Bolt)* | | | | | | |
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| | | | | | | | |
| | Low-speed EVs (LSVs, NEVs) | | | | | | |
| **On-road Heavy Duty** | PHEVs *(bucket)* | | | | | | |
| | BEVs *(delivery)* | | | | | | |
| **Off-road vehicles & equipment (tugs, tractors, forklifts, etc.)**<br>*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* | *2021* | *Ford* | *F-150* | *Gas* | *17* | *9,000* |
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## Overall -- TOTAL Fleet Numbers & Petroleum Fuel Use Data

| **Vehicle Class**<br>*Light Duty = < 10,000 lbs GVWR*<br>*Heavy Duty = 10,000 lbs GVWR + up* | **Example Vehicles**<br>*These are just examples!* | **Number of Vehicles by Class as of the end of 2021** | **Total GASOLINE Used in Calendar Year 2021** | **Total DIESEL Used 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 | | | |
| **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 | | *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 2021

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