

What fuel cuts greenhouse gas emissions on the road?



Propane. It works. It's here. It's now.

School and city buses, maintenance vehicles, trolleys, taxis, delivery trucks, shuttle vans... Today, more than 10 million vehicles worldwide run on propane, a fuel that delivers high-octane power but fewer greenhouse gas emissions than gasoline, and considerably less nitrous oxide and particulate pollution than diesel. Propane gets the job done: it's reliable, readily available, and best of all, it comes with an existing and affordable refueling infrastructure. In the quest for clean alternative energy, America can look to propane. Now.

PROPANE
EXCEPTIONAL ENERGY®

PROPANE
education & research
COUNCIL

NPGA
National PROPANE GAS Association

The alternative fuel that's already here.

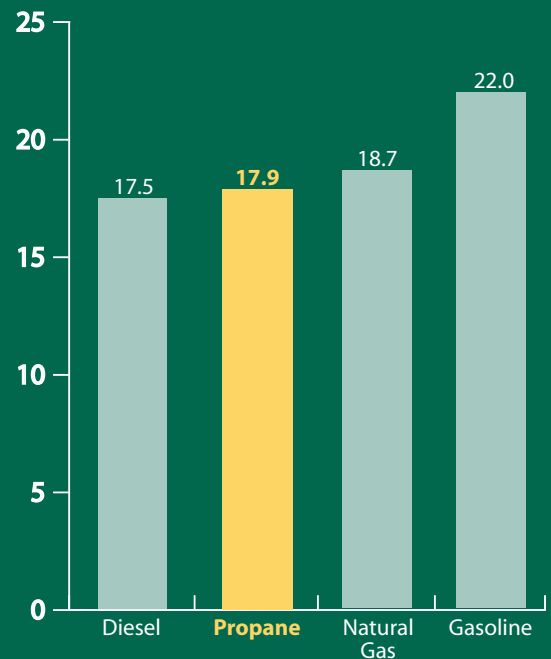
The most widely used alternative fuel, propane is the third most common engine fuel today, after gasoline and diesel. Increasing the use of this affordable fuel in select vehicle fleets by 10 percent could displace nearly 1 billion gallons of gasoline by the year 2017.

Powering emission reductions in fleet vehicles

- On average, propane fleet vehicles reduce greenhouse gas emissions by 18 percent*; create 20 percent less nitrous oxide; up to 60 percent less carbon monoxide; and fewer particulate emissions, compared to conventional gasoline.**
- Fleet operators do not have to sacrifice performance for environmental friendliness. The power, acceleration, payload, and drivability of propane-fueled vehicles are comparable to gasoline engines.
- Propane offers fleet operators distinct economic advantages over conventional fuels. The Battelle Memorial Institute found that propane is the most economical alternative fuel for fleets (on a per-mile basis) when operating, ownership, and infrastructure costs are all taken into consideration.

CO₂ emissions* from medium-duty engines

The type of engines used in many commercial and municipal vehicles, such as school buses



Raw Data (metric tons CO₂ equivalent per unit per year)

Right here. Right now.

From fleet vehicles, to farm equipment, to homes across the country, propane provides a cleaner energy choice to help fuel America's way of life. And, unlike other alternative energy sources, propane has a proven track record of success. It's reliable, readily available, and best of all, it comes with an existing and affordable refueling infrastructure.

Find out more at www.usepropane.com/climate.

* The greenhouse gas (GHG) calculations mentioned here were developed in a study commissioned by the Propane Education & Research Council (PERC) and conducted by Energetics Incorporated. Using the Greenhouse Gases, Regulated Emissions and Energy Use in Transportation (GREET) model recognized by the U.S. Department of Energy, the study reviewed the full lifecycle accounting (on-site and upstream) of GHG emissions resulting from the use of propane and other fuels in various market sectors.

**Comparisons of nitrous oxide and carbon monoxide emissions are taken from studies conducted by the World LP Gas Association and the California Energy Commission in January 2003. Data on particulate emissions comes from studies by the Southwest Research Institute.