



5 Propane MYTHS & FACTS

1

"PROPANE CONVERSIONS ARE NOT POSSIBLE"

Dedicated and Bi-fuel conversions are possible in light, medium, and heavy duty vehicles. Bi-Fuel conversions enable the vehicle to run on both propane and gasoline while Dedicated conversions alter a vehicle to run solely on propane.



2

"FUELING SITES ARE NON-EXISTENT"

Various fueling sites exist, including: primary sites (vehicles), secondary sites (vehicles and multi-purpose items), and private sites (the most common and used by fleets for on and off site fueling). Wet-hosing is used to refuel vehicles at these sites.



3

"PROPANE IS ONLY PRODUCED FROM FOSSIL FUELS"

Renewable propane (RP) is chemically identical to conventional propane, but it is produced via feed stocks that undergo a hydro-treated vegetable oil process. RP has a carbon intensity up to 4x less than conventional propane.

4

"PROPANE IS MORE EXPENSIVE THAN GASOLINE"

On average, public propane stations cost \$0.10-0.15 more per-gallon compared to gasoline but save more over their life due to increased reliability, reduced engine wear, and price discounts from suppliers. For fleets, some pay 30-50% less per gallon compared to gasoline.

5

"PROPANE IS HARMFUL TO EARTH'S SURFACE"

Propane is not harmful. Although this fuel originates as a colorless, odorless gas, it does not pose a threat to soil, surface water, or groundwater. Additionally, compared to diesel, it can emit up to 36% fewer NOx emissions.



For More Information, Visit...

<https://vacleancities.org/cleaner-transportation/>



PROPANE

Sources & Resources

SOURCES

Virginia Clean Cities

- VCC Staff
- <https://vaccleancities.org/cleaner-transportation/propane/>

The Alternative Fuel Data Center (AFDC)

- <https://afdc.energy.gov/fuels/propane>

Blossman Autogas

- Steve McCoy, Vice President of Business Development
- <https://allianceautogas.com/>

Propane Education Research Council (PERC)

- https://propane.com/for-my-business/fleet-vehicles/#features_1

ADDITIONAL INFORMATION

Myth/Fact 4

- *As of March 27, 2025, the average cost per gallon of propane for fleets in VA is \$1.84, while the average public cost is around \$3.05.*

For More Information, Visit...

<https://vaccleancities.org/cleaner-transportation/propane>