



## Transportation Fuels Come in Shades of Green



“Any customer can have a car painted any color that he wants,” Henry Ford famously quipped, “so long as it is black.”

For decades, truck and bus operators used any fuel they wanted, so long as it was diesel. Now, another color is top of mind: green, as in eco-friendly alternative vehicles.

For many, the go-to choice has become electric. In fact, ROUSH CleanTech is currently developing a medium-duty electric truck that's being tested across the country with input from leading public and private fleet operators. Still there are many shades of green when it comes to alternative, emissions-slashing fuels.

Electric vehicles may be the wave of the future, but producing hundreds of thousands of vehicles can't happen overnight. So, what are the options that can best bridge the gap until EV production and charging infrastructure is ready for full commercialization?

There's hydrogen fuel cell, but that solution is still on the horizon. At the top of the list now is propane. Propane autogas is readily available today and offers clear benefits:

- **Low emissions.** ROUSH CleanTech's propane engine is 90% cleaner than national emissions requirements and achieves 2027 proposed standards on NOx. The company is the first OEM to receive CARB's 0.02 grams per brake horsepower-hour (g/bhp-hr) certification for 2022 model year vehicles.
- **No additional parts or treatments.** Unlike “clean” diesel, propane fuel systems require no particulate traps or fluid additives. Maintenance costs are lower and propane engines are quieter, too.
- **Domestic sourcing.** The vast majority of propane fuel comes from U.S. sources, eliminating the need for overseas exports.
- **Lower fuel cost compared to diesel.** Fleet owners, transportation agencies and school districts save at the pump, with propane routinely costing much less than diesel prices per gallon.
- **Proven on-road dependability.** ROUSH CleanTech's propane vehicles are in use across the country providing clean, safe transportation that improves air quality and reduces exposure to toxic fumes for riders and drivers. The company has almost 2 billion miles of alternative fuel experience.

Diesel engines have been a stalwart in the medium-duty truck and bus segment for decades. But increasing regulations and the associated complexity make it clear there are much cleaner and more cost-effective solutions ready to take the baton.

To learn more about ROUSH CleanTech's advanced clean transportation fleet solutions or to sign up for the monthly e-newsletter CleanTalk, visit [ROUSHcleantech.com](http://ROUSHcleantech.com).



Todd Mouw is president of ROUSH CleanTech, an industry leader of advanced clean vehicle technology. Mouw has more than two decades of experience in the automotive and high-tech industries. As former president of the NTEA Green Truck Association, Mouw helped set standards in the green trucking industry. To learn more, visit [ROUSHcleantech.com](http://ROUSHcleantech.com).