propane autogas



McAbee Trucking Cuts Costs & Emissions

SOUTH CAROLINA USPS CONTRACTOR LEADS THE WAY WITH CLEAN, RELIABLE PROPANE AUTOGAS FLEET IN THE CAROLINAS

When McAbee Trucking answered the U.S. Postal Service's challenge to adopt cleaner fleet technologies, leadership faced a clear operational directive: transition away from diesel without sacrificing the 24/7/365 reliability required to haul mail across the Carolinas.

The answer was propane autogas. After evaluating CNG and ruling out electric vehicles due to multiyear grid delays and strict daily duty cycles, McAbee partnered with ROUSH CleanTech and local fuel distributor Blossman Gas. What began as a single demo vehicle in 2019 expanded into a 100% conversion of their medium-duty box truck fleet by 2025.

McAbee Trucking proved that postal contractors can insulate themselves from massive diesel price spikes, lower total cost of ownership, and scale business operations — growing from 4 to 10 active USPS contracts.

From One Demo Truck to a 100% Propane Autogas Fleet

2019

One propane autogas demonstration vehicle

2025

Fleet of 27 propane autogas trucks

100% medium-duty conversion

TODAY

Grown from 4 to **10 active USPS contracts**

Propane Autogas Powers McAbee Trucking's Competitive Edge

McAbee Trucking relies on propane autogas to balance the nonstop demands of dedicated postal distribution. The results speak for themselves: net fuel savings up to 85%, massive maintenance savings, diesel-equivalent performance without EV grid delays, and operational resilience.

MCABEE TRUCKING AT-A-GLANCE

27
Class 6 Ford F-750 26-foot propane autogas box trucks

100%
medium-duty box fleet converted to propane autogas

3
on-site 1,000-gallon propane autogas storage tanks & dispensers

200,000+
gallons of propane autogas used annually

28
scheduled daily mail delivery trips between SC and NC

100–400
miles covered daily per truck across regional corridors

Propane Autogas Fleet Highlights

Cost Savings



Fuel and maintenance represent two of McAbee's largest operating expenses, and propane autogas consistently delivers bottom-line protection.

- **70% to 85% net fuel savings** compared to diesel on stop-and-go postal routes, accounting for variation in energy density and MPG.
- **Under $2.00 per gallon** locked-in propane autogas contract pricing (rising just $0.05 this year while diesel costs doubled).
- **Eliminated DEF & DPF costs,** saving $6,000 to $10,000 per vehicle in avoided diesel particulate filter repair issues.
- **Maintenance and parts savings** with a replacement engine at $16,500 with a manufacturer-backed warranty for propane autogas versus $40,000 for diesel.
- **Reinvested TCO savings** directly into fleet expansion, growing from 4 to 10 active USPS contracts.

Emissions & Safety



By transitioning 100% of its medium-duty box fleet from diesel to propane autogas, McAbee achieved significant environmental and safety results:

- **100% medium-duty conversion,** successfully meeting 2020–2025 green fleet targets.
- **Zero DEF & DPF regenerations,** eliminating harmful diesel tailpipe exhaust and toxic particulate emissions on regional delivery routes.
- **Overwhelming driver preference** due to quieter cab operation, cleaner fueling, and zero diesel fumes.

Reliability & Resilience



Running 28 scheduled trips 365 days a year means downtime is not an option for postal operations.

- **Fast refueling:** Minutes-long depot refueling compared to hours of charging downtime required for commercial EVs.
- **No grid delays:** Deployed immediately without waiting years for utility electrical infrastructure upgrades or transformer capacity.

> *"When diesel prices nearly double and continue to fluctuate by dollars, I can't help but feel relieved that most of our fleet isn't exposed to those same swings. When you're running trucks every day, that kind of predictability makes a difference."*
>
> — Lisa McAbee, Vice President, McAbee Trucking

Get a Customized Propane Autogas Plan for Your Fleet

Learn how propane autogas meets the operational, economic, and environmental demands of fleet operations at **propane.com/fleets**.

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