



CASE STUDY:

Crosby-Ironton Transportation, Crosby, Minnesota

The Challenge

Crosby-Ironton Transportation is the sole transportation contractor for two school districts in rural Minnesota. In 2013, Crosby-Ironton Transportation purchased a 2011 propane bus to add to the company's growing fleet. The bus — the third Micro Bird propane bus ever built — was able to reliably transport students in extreme weather conditions, reduce fuel and maintenance costs, and be gentle on the natural resources in rural Minnesota. Ten years later, that same bus is operating daily with 250,000 miles on it.

“Our community and students have benefited greatly from our propane buses because they have no cold-start issues, so we can be confident that kids can continue attending school even when the weather turns to negative 40 degrees.”

- Josh Schiffler, owner and chief technician, Crosby-Ironton Transportation

Why Propane Autogas?

According to Crosby-Ironton Transportation:

- ✓ Fuel and maintenance savings.
- ✓ Superior serviceability.
- ✓ Engine reliability.
- ✓ Clean-operating.

By the Numbers



52% of the fleet operates on propane autogas.

248,695 miles

logged on a propane bus.



No cold start issues in -41 degrees Fahrenheit.

67% savings on fuel.



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Longevity, Reliability and Safety

The quarter-million-mile propane bus still has the original transmission and has only required one fuel pump, one radiator, a headlight replacement, spark plugs and tank recoating.

The propane school buses are used for long distance travel, including field trips across the state and even up to Canada. Propane autogas school buses are reliable and ideal for rural areas and long distances because they can achieve a range of up to 400 miles on a single fueling. They also retain equivalent horsepower, torque, towing capacity and warranty coverage as their gas and diesel counterparts.

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ROUSHcleantech.com 800.59.ROUSH

“It’s Common Sense”

 Diesel rate: \$5.00 per gallon.

 Propane rate: \$1.67 per gallon.

(Crosby-Ironton Transportation’s current fuel rates)

Did You Know?



More than 35%

of the nation’s largest school districts operate propane buses powered by ROUSH Clean Tech’s advanced clean fuel system.



1.3 million students travel to school in a propane bus each day.

Propane autogas engine technology is so advanced that **harmful emissions are near zero.**



Propane autogas offers the **lowest total cost of ownership**

when compared to other options, including electric vehicles.



Federal alternative fuel tax credits provide \$0.37 per gallon **tax credits** for propane.

(Completed 2023)