

CASE STUDY:

FREEMAN SCHOOL DISTRICT BUSES

Increasing fuel economy up to 7% with BetterFill, a cost-saving fuel additive.



BetterFill

Two month test

- Self-administered in field
- Two Buses
- Efficiency Gain: 7%

Annual Projections

- Fuel treated at on-site tank
- Annual savings: \$9,800
- Reduced emissions: 25 tons of CO2

OBJECTIVE

In Washington state, rural diesel school bus use is estimated to be up to 9 MPG, based on older diesel engine technology. Freeman School District uses approximately 20,000 gallons of diesel each year. During the 2025 spring school year, the school **tested BetterFill** to validate fuel efficiency and reduce operational costs. **This case study explores the results of using BetterFill in two Freeman School Buses.**

TESTING

Freeman School District tracks fuel economy diligently per bus. Testing required the fleet manager to treat two separate buses each time they were filled with the proper dosage of BetterFill. **After a two month trial, Freeman saw a 7% increase in fuel economy from 8.3mpg to 8.9mpg.** The second bus went from 8.5mpg to 11.6mpg, but, given the magnitude of the benefit, we focus on the more realistic 7% gain.

PROJECTIONS

Freeman School District spends \$140,000 on fuel annually. A 7% reduction in fuel usage would **save the district \$9,800 annually.**

ADDITIONAL AGRICULTURAL RESULTS

Harvest 2024

Two John Deere Combines were treated halfway through harvest. **Fuel efficiency improved 7.4%.**

Spraying 2025

One John Deere Sprayer was treated halfway through spring spraying. **Fuel efficiency improved 5%.**

Harvest 2025

Two John Deere Combines were operated side-by-side with one combine treated and another untreated. **Fuel efficiency improved 6%.**