

OUR COMMITMENT TO SUSTAINABILITY

As a SmartWay carrier, Bison is committed to delivering award-winning, sustainable transportation solutions throughout North America.



TRAILER TAILS

reduce fuel consumption by at least 5% at highway speeds

TRAILER SKIRTS

reduce GHG emissions by up to 7%

DRIVER TRAINING & COACHING

Our fleet invests heavily in driver training and coaching. Fleet managers monitor drivers' idle time and host coaching sessions to improve their performance.

OUR TOTAL ESTIMATED CO2 REDUCTION

100,000+ TONS/YEAR

TODAY'S INVESTMENTS

TRUCKS & TRAILERS

AUXILIARY POWER UNIT

reduce GHG emissions by 5%

NEW TRUCKS

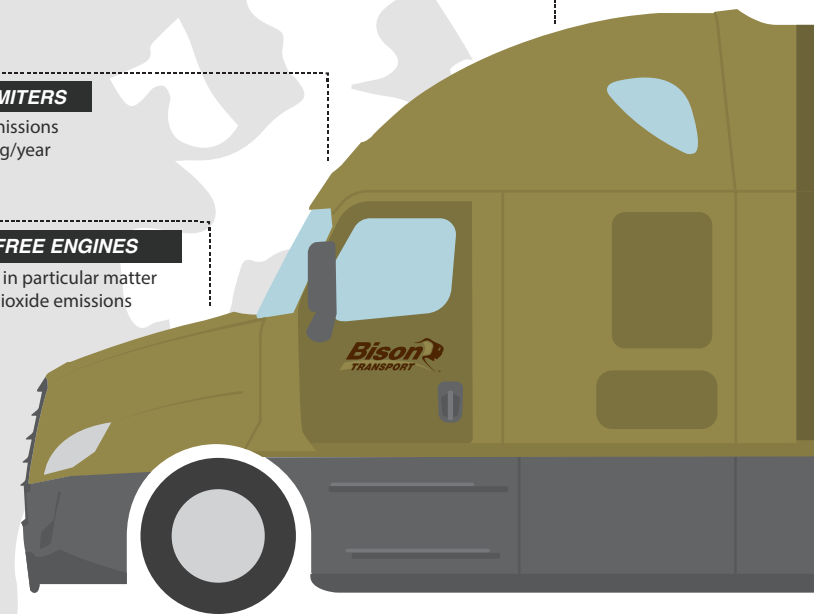
13% more fuel efficient

SPEED LIMITERS

reduce GHG emissions by 2.7 million kg/year

SMOG-FREE ENGINES

95% reduction in particular matter and nitrogen dioxide emissions



LOW-ROLLING RESISTANT TIRES

Lower fuel consumption by up to 4.5%

TOMORROW'S OPPORTUNITIES FOR IMPROVEMENT

LONG COMBINATION VEHICLES (LCV)

Long combination vehicles employ one truck and one driver to pull two trailers. On average, this reduces fuel consumption by 30% to 40%, compared to moving two trailers individually.



AZETEC PROJECT

Bison is participating in the three-year Alberta Zero-Emissions Truck Electrification Collaboration project. The \$15-million project will see the building of two class 8 tractors powered by hydrogen to test the ability of it to fuel the heavy-duty freight transportation sector. Testing begins in 2021 and is set to conclude December 2022.

PLATOONING SYSTEM PROJECT

Truck platooning is a system that syncs multiple trucks together into a convoy by utilizing automated driving technology. The outcome leads to less drag and better fuel efficiency while the technology allows the truck to safely maintain an optimal gap. Bison is proud to be testing this new truck platooning system in association with the AMTA.

BATTERY ELECTRIC VEHICLES

Right now we are working directly with several manufacturers on full Battery Electric Vehicle solutions. As the technology evolves and range improves we are partnering with industry leaders in this area to understand the full operational scope of this technology and the steps necessary to integrate these units into our fleet. This includes infrastructure in our facilities to support charging, training for our operators and our technicians to support these units as we move toward operational readiness.



INTERMODAL

Intermodal is, on average, two times more energy-efficient than road operation. A single train can take 280 trucks off the highway, reducing highway congestion and lowering greenhouse gas emissions by 75 percent.

