

A semi-trailer moving at highway speed experiences a low pressure vacuum at the rear of the trailer, causing aerodynamic drag which pulls the vehicle backward and increases the amount of fuel consumed and carbon emitted.

Aerodynamic drag also creates turbulent vortices around the vehicle, reducing vehicle stability in windy conditions and increasing road spray in wet weather.

TrailerTail® rear-drag aerodynamics technology reduces the low pressure vacuum, aerodynamic drag and turbulent vortices, streamlining the airflow off the back of the vehicle.

The result is greater than 5% increased fuel efficiency, reduced emissions and improved trailer stability and visibility for truck drivers and the public.



TrailerTail® Safety & Environmental Benefits:

- Reduced fuel consumption > 5% (~ 8 gallons fuel saved for every 1000 miles driven)
- Reduced carbon emissions from trucking operations
- Improved vehicle stability
- Improved visibility in wet weather
- Reduced driver fatigue due to improved on-road handling
- Reduced risk of fatal rear-impact collisions by adding collapsible crumple zone at trailer rear
- Meets Federal safety requirements for rear-drag aerodynamic device

TrailerTail® Commercial Benefits:

- Does not impede trailer loading, unloading or access to doors
- Origami design collapses upon impact
- Does not reduce (or add) cargo capacity
- Does not obscure trailer safety lighting, reflective tape or placards
- Lightweight
- Improves carrier profitability, competitiveness and environmental impact

ADOPTION by Minnesota Trucking Carriers:





Technical & Spec Info:

- TrailerTail® technology is a collapsible, aerodynamic fairing installed at the back of a tractor-trailer to reduce aerodynamic drag and improve the fuel efficiency of a tractor-trailer
- Less than 5 feet in length to meet Federal length exemption
- Weighs less than 185 pounds
- Non cargo bearing aerodynamic extension
- Constructed of flexible, temperature resistant thermoplastic composite panels that do not bond with ice or snow nor contract or expand with temperature changes

Every **TRAILERTAIL** on the highway offsets the fuel consumption and greenhouse gas emissions of **ONE PASSENGER VEHICLE**



EVERY YEAR that it is in operation.

