



NATIONAL TRUCK DRIVER APPRECIATION WEEK

September 11-17, 2016

U.S. EPA SmartWay is proud to support NTDAW

It is important to thank the professional truck drivers who deliver life's essentials. According to the American Trucking Associations, professional men and women behind the wheel log close to 280 billion miles each year and last year delivered over 70 percent of the U.S. freight tonnage – or over 10 billion tons of freight. 80 percent of U.S. communities depend solely on the trucking industry. Professional truck drivers keep this country moving. You can read more statistics about truck drivers and the trucking industry [here](#).

SmartWay works to provide the best services and technology to truck drivers

SmartWay high performance tractors and trailers make driving easier and more efficient. Additionally, SmartWay provides information on idling reduction technologies, aerodynamic devices, low rolling resistance tires, and more. SmartWay designated trucks and verified technologies help drivers squeeze more miles out of every tank, allowing them to spend less time refueling and more time to work and relax.

“It is important to thank the professional truck drivers who deliver life’s essentials...Professional truck drivers keep this country moving.”

- Cheryl Bynum, National Program Director



In this newsletter

- What is EPA SmartWay?
- What does SmartWay offer fleets and drivers?
- Empowering drivers with SmartWay Technology
- Efficient Driver Training

Truck Drivers showing their SmartWay Designated Tractors. [Learn more about SmartWay Tractors and Trailers here.](#)



EPA Region 4 and Kimberly-Clark during National Truck Driver Appreciation Week in 2014

What is EPA's SmartWay program?

Environmental Protection Agency's (EPA) SmartWay Program is a public-private initiative between EPA, and carriers that move freight and their customers. SmartWay partners include trucking fleets of all sizes. These companies join SmartWay to save money by cutting fuel use and to help clean the air. Its purpose is to improve fuel efficiency and the environmental performance (reduction of both greenhouse gas emissions and air pollution) of the goods movement supply chains. **Since 2004, SmartWay partners have saved over 7 billion gallons of fuel, lowered fuel costs by \$24.9 billion and reduced carbon emissions by 72.8 million metric tons.** SmartWay's clean air achievements help protect the well-being of citizens including truck drivers themselves.

What does SmartWay offer fleets and drivers?

SmartWay empowers businesses – from national truck carriers to mom-and-pop trucking companies and independent drivers—to move goods in the cleanest, most energy-efficient way possible.

The program aims to increase the use of fuel efficient technologies and operational practices in the freight supply chain, while helping drivers save fuel, lower costs and reduce adverse environmental impacts. Fleets, owner-operators and other professional drivers are encouraged to adopt best practices available through driver training for fuel efficient practices and truck spec'ing. Additionally drivers are provided opportunities to share fuel saving information via webinars, case studies, presentations. These services allows fleets of all sizes to market their services to shippers looking to be greener.

EPA and Kimberly-Clark

Kimberly-Clark and EPA Region 4 employees worked together to encourage carriers to implement driver behavior techniques. These strategies will save fuel and reduce harmful emissions.



Reflects Well.

(And helps keep the air clean, too.)

Let's face it, anytime your fleet can boost fuel efficiency by 10% to 20%, it reflects well on you and your bottom line. U.S. EPA certified SmartWay® Tractors and Trailers allow you to do just that. You can also display the SmartWay certification mark, a symbol of environmental distinction, which also reflects well on you. The SmartWay leaf indicates to both industry and the public that you operate the cleanest and most efficient trucks and equipment available today.

To learn more, visit www.epa.gov/smartway.



Driving with SmartWay reflects well on your business. View the [full PSA here](#).



www.epa.gov/smartway

SmartWay helps individuals and companies reduce their carbon footprint. View the [full PSA here](#).

SmartWay and the U.S. trucking industry

ATA has been a supporter and affiliate of SmartWay from the inception of the program in 2004. "We are proud of our efforts to promote sustainability by reducing trucking's impact on the environment, ATA has been a supporter of SmartWay since Day One and we believe it is a model for the business community and government to follow as they try to solve common problems."-CEO Bill Graves

The Owner-Operator Independent Drivers Association (OOIDA) which represents over 158,000 professional drivers, has been a SmartWay Affiliate since 2008. National Private Truck Council (NPTC), representing America's private fleets, became a SmartWay Affiliate in 2011. ATA, OOIDA, and NPTC work to bring in carriers to the SmartWay Program.

Read about [ATA's EPA SmartWay Affiliate Challenge Special Merit Award here.](#)



EPA SmartWay's Cheryl Bynum shaking hands with ATA's Environmental Counsel Glen Kedzie after giving ATA the SmartWay Affiliate Challenge Special Merit Award

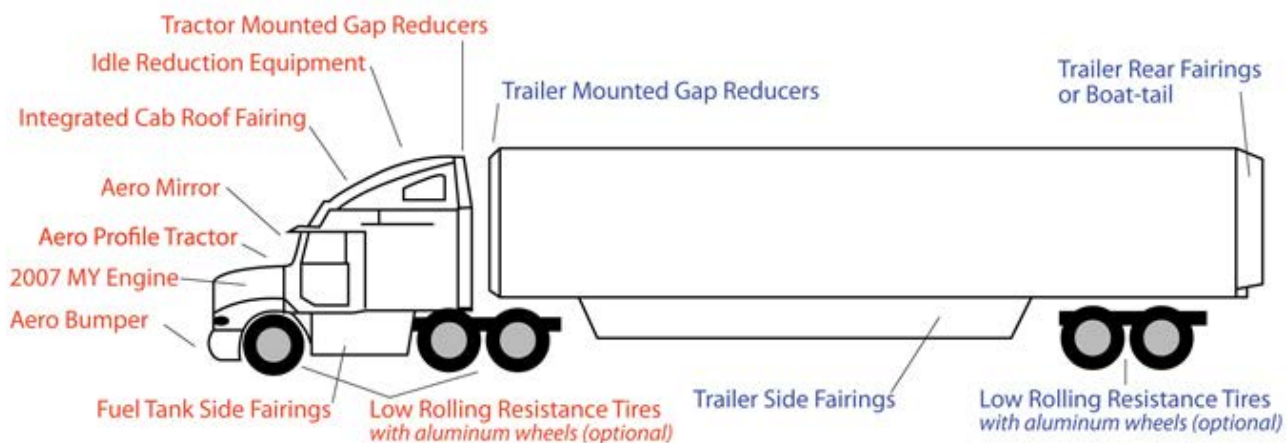
Empower drivers with SmartWay truck technology

SmartWay gives truck drivers and fleets information and incentives to upgrade their vehicles to achieve driver fuel efficiency. EPA tests, promotes, and provides the funding for technologies that make trucks more efficient and comfortable.

The EPA Clean Diesel Program, awards grants and rebates through the Diesel Emissions Reduction Act (DERA) funding. These grants and rebates are used to reduce emissions. Projects have included truck retrofits and replacements. To find out more about the Clean Diesel Program and DERA funding and project go to: www.epa.gov/cleandiesel

SmartWay verified technologies provide drivers with many benefits. Truck drivers can drive SmartWay Designated Tractors and Trailers that include various fuel-efficient features. Drivers are staying warm, cool, sleeping better, and breathing cleaner air due to onboard idling reduction technologies. Electrified truck parking allows drivers to power their onboard systems (e.g., HVAC and internet), while reducing fuel use when compared to idling. Adding aerodynamic devices (fairings, skirts, etc.) and low rolling resistance tires provide additional fuel saving opportunities. Truck that combine designated SmartWay Tractors and Trailers achieve even greater efficiencies—a winning combination for truck drivers and the environment.

Depiction of the various SmartWay Tractor and Trailer technology



A Glance at Clean Freight Strategies: Efficient Driver Training

ENERGY & FUEL SAVINGS

Gallons Saved:
794 gallons

CO2 Savings:
8.06 metric tons

**Fuel Economy
Increase:**
5%
MPG (original 6 mpg):
6.3 mpg

**Reduction in
Fuel Consumption:**
5%

Fuel Cost Savings:
\$3,015

Driver training programs can help trucking companies save fuel and reduce greenhouse gas emissions by increasing drivers' skills, knowledge, and performance. A driver training program that improves fuel economy by 5 percent could save over \$3,000 in fuel costs and eliminate 8 metric tons of greenhouse gas emissions per truck each year.

What is the Challenge?

Even highly experienced truck drivers can boost their skills and enhance driving performance through driver training programs. Training that targets fuel efficiency can help drivers recognize and change driving habits that waste fuel. For example, driving 65 mph instead of 55 mph can use up to 20 percent more fuel, idling a typical heavy-duty engine burns about 0.8 gallons of fuel per hour, and driving with the engine rpm too high can waste several gallons of fuel each hour. Other common habits that reduce fuel economy are frequent or improper shifting, too rapid acceleration, too-frequent stops and starts from failing to anticipate traffic flow, and taking circuitous routes.

A few simple changes in driving techniques can produce sizable fuel savings of 5 percent or more. A Canadian study estimates that many fleets could achieve a 10 percent fuel economy improvement through driver training and monitoring. A study for the European Commission estimates that an annual one-day driver-training course will improve truck fuel efficiency by 5 percent.

What is the Solution?

Well-trained drivers can reduce fuel consumption by applying a number of simple techniques.

- Use cruise control where appropriate
- Coast whenever possible
- Brake and accelerate smoothly and gradually
- Progressive shifting (upshift at the lowest rpm possible)
- Limit unnecessary truck idling
- Start out in a gear that doesn't require using the throttle when releasing the clutch
- Limit unnecessary shifting; block-shift (go from, for example, 2nd gear to 5th gear)
- Drive at the lowest engine speed possible

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Savings and Benefits

Fleets that improve fuel economy by at least 5 percent through driver training and monitoring programs can save more than \$3,000 per truck each year in fuel costs and eliminate 8 metric tons of carbon dioxide emissions per truck each year. Driver training can generate larger efficiency gains for vehicles in urban service, where shifting practices have more influence on fuel economy. For a typical long-haul truck, the initial cost of training and the purchase of related equipment such as an electronic engine monitor and recorder could be recouped within 2 years from fuel cost savings. Trucking companies can realize even greater fuel and maintenance savings by using technologies that limit truck idling and highway speed.

Next Steps

- 1) Trucking firms can consider implementing driver training programs to reduce fuel costs and teach drivers fuel saving techniques through employers, vocational schools, and for-profit training organizations.
- 2) Electronic engine monitors can be installed to review drivers' operating patterns and benchmark individual performance over time. Create successful incentive programs that are simple to administer by paying bonuses and setting realistic goals. To provide additional motivation, training can be combined with an incentive program to reward drivers for enhanced performance.
- 3) Fleets can contact their national or local trucking organizations for more details on improving driver performance and establishing a driver incentive program. Also contact truck dealers or equipment vendors for information on engine monitors and other fuel-saving devices.

[Click here to sign up for FREE fuel-efficient driver's training.](#)

Contact SmartWay

Learn more about EPA SmartWay Program:

Email: smartway_transport@epa.gov

Phone: (734) 214-4767

Web: www.epa.gov/smartway

SmartWay Transport Partnership
US Environmental Protection Agency
2000 Traverwood Drive,
Ann Arbor, MI 48105