FACTS ABOUT

Tractor-Trailer Greenhouse Gas Regulation

Reducing Climate Change Emissions from Tractor-Trailers

What is the purpose of the regulation?
The California Air Resources Board (ARB) developed this regulation to reduce greenhouse gas emissions produced by heavy-duty tractors that by making them more fuel efficient. Fuel efficiency will be improved by requiring the use of aerodynamic tractors and trailers that are also equipped with low rolling resistance tires. Along with reducing greenhouse gas emissions, this regulation will over time, save money as well as reduce our dependence on foreign oil.

The tractors and trailers subject to this regulation must either use United States Environmental Protection Agency SmartWay (SmartWay) certified tractors and trailers, or retrofit their existing fleet with SmartWay verified technologies. The SmartWay certification process is part of their broader voluntary program called the SmartWay Transport Partnership Program (SmartWay program). For information about the SmartWay program, go to: http://www.epa.gov/smartway/transport/what-smartway/tractor-trailer.htm

Who is affected by the regulation?
The regulation applies primarily to owners of 53-foot or longer box-type trailers, including both dry-van and refrigerated-van trailers, and owners of the heavy-duty tractors that pull them on California highways. These owners are responsible for replacing or retrofitting their affected vehicles with compliant aerodynamic technologies and low rolling resistance tires. All owners regardless of where their vehicle is registered must comply with the regulation when they operate their affected vehicles on California highways.

Besides the owners of these vehicles, drivers, motor carriers, California-based brokers and California-based shippers that operate or use them also share in the responsibility for compliance with the regulation. One or all of these parties may be held accountable for operating or using non-compliant vehicles on California highways.

What are the requirements of the regulation and when must I comply?
For tractors subject to the regulation:

- 2011 and newer model year (MY) **sleeper-cab** tractors that pull affected trailers must be SmartWay certified, beginning January 1, 2010
- 2011 and newer MY **day-cab** tractors that pull affected trailers must use SmartWay verified low rolling resistance tires, beginning January 1, 2010
- All 2010 and older MY tractors that pull affected trailers must use SmartWay verified low rolling resistance tires beginning January 1, 2013

For trailers subject to the regulation:

- 2011 and newer MY 53-foot or longer box-type trailers must, beginning January 1, 2010, be ***either***
  - SmartWay certified ***or***
  - Retrofitted with SmartWay verified technologies, as follows:
    - Low rolling resistance tires, ***and***
    - Aerodynamic devices
- 2010 and older MY 53-foot or longer box-type trailers (with the exception of certain 2003 to 2009 MY refrigerated-van trailers) must meet the same aerodynamic device requirements as 2011 and newer MY trailers **either**:
  - By January 1, 2013, ***or***
  - According to a compliance schedule based on fleet size which allows them to phase-in their compliance over time.
- 2010 and older MY trailers must use SmartWay verified low rolling resistance tires by January 1, 2017.
- 2003 to 2009 MY ***refrigerated-van*** trailers equipped with 2003 or newer MY transport refrigeration units have a compliance phase-in between 2017 and 2019.

Who is not affected by the regulation?
The regulation does not apply to the following:

- Military tactical vehicles
- Authorized emergency vehicles
- Drayage tractors and trailers that operate within a 100 mile radius of a port or intermodal rail yard
- Curtain side vans
- Solid waste vehicles
- Drop frame vans
- Container chassis

Are there any special provisions?
There are several exemptions and temporary passes that may be obtained from ARB for specific purposes such as:

- Short haul tractors
- Local haul tractors and trailers
- Storage trailers
- Non-compliant tractors
- Relocation of local haul/storage trailers
- Transfer of ownership of trailers
- Open shoulder drive tires

What kinds of equipment will meet the requirements of this regulation?
To comply with the regulation, you may purchase a SmartWay certified tractor and/or trailer, which will come equipped with the approved technologies. You may also comply by retrofitting your trailer with approved low rolling resistance tires and one or more of the following aerodynamic technologies:

- Trailer rear fairings
- Trailer side skirts
- Trailer front gap fairings
- Other SmartWay approved technologies

The type or number of technologies required will be based on the percentage of fuel savings of each device. These required percentages can be found in the regulation at:
http://www.arb.ca.gov/regact/2010/truckbus10/truckbus10.htm.

For further information about the specific technologies that have been verified by the SmartWay program, please contact SmartWay Partnership Program at:

SmartWay
2000 Traverwood
Ann Arbor, MI 48105

Call Center: (734) 214-4767
Email: smartway_transport@epa.gov
http://www.epa.gov/smartway/

Is there financial assistance available to help purchase this equipment?
Yes, please see the related webpage on ARB's Heavy-Duty Vehicle Air Quality Loan Program. www.arb.ca.gov/ba/loan/on-road/on-road.htm.

Also, the SmartWay program offers financial assistance information through the SmartWay Finance Center, which can be accessed from their website.

Where can I find more information about the regulation?

Fact sheets, compliance tools, and regulatory documents are available at www.arb.ca.gov/cc/hdghg/hdghg.htm or by calling the ARB's diesel hotline at (866) 6DIESEL (634-3735). You may also obtain this document in an alternative format by contacting ARB at: (916) 322-4505 (voice); (916) 324-9531 (TDD, Sacramento area only); or (800) 700-8326 (TDD, outside Sacramento). TTY/TDD/Speech-to-Speech users may dial 711 for the California Relay Service.