



California Emission Reduction

Requirements for Diesel Truck and Equipment Owners

All owners of diesel trucks, buses, trailers and transport refrigeration units, or “reefer,” that operate in California, are required to take steps to reduce air pollution. Funding opportunities to lower emissions earlier may also be available. The following summarizes requirements and key dates for upgrading existing equipment:

BASIC REQUIREMENTS

The **Heavy-Duty Vehicle Inspection Program** uses random roadside inspections to verify that diesel engines do not smoke excessively and are tamper free.

The **Periodic Smoke Inspection Program** requires fleets of two or more diesel vehicles weighing more than 6,000 lbs GVWR to perform annual smoke opacity tests and to keep records for at least two years for each vehicle.

Idling Limits restrict diesel vehicles from idling more than five minutes. However, shorter idling limits apply when within a school zone.

Emission Control Labels must be legible and affixed to the engines of all commercial heavy-duty diesel vehicles as proof the engine, at minimum, meets U.S. federal engine emissions standards for the engine model year.

TRUCKS AND BUSES (privately and federally owned)

Private and federal fleets with diesel trucks and buses (more than 14,000 lbs GVWR) including agricultural yard goats with off-road engines must comply with the Truck and Bus regulation. See www.arb.ca.gov/dieseltruck.

April 29, 2011 - Fleets that qualify for the agricultural vehicle provisions or have two-engine street sweepers with Tier 0 auxiliary engines must report.

July 1, 2011 – Fleets can get double credits for installing PM retrofit filters early.

HEAVIER VEHICLES (more than 26,000 lbs GVWR)

- 1996-2006 model year engines would meet PM filter requirements from 2012 to 2014 and would be replaced eight years later.
- 1995 MY and older engines would be replaced starting January 1, 2015
- Fleets must report by January 31, 2012, to use the PM filter phase-in option from 2012 to 2016, take advantage of credits, and use other provisions.

LIGHTER VEHICLES (14,001-26,000 lbs GVWR)

- Replacements start January 1, 2015, when the engine becomes 20 years old. If a PM filter is installed by 2014 the engine would comply until 2020

ALL VEHICLES (greater than 14,000 lbs GVWR)

- must have engines that meet 2010 model year engine emissions by 2023 except if operating in cleaner parts of the state.

DRAYAGE TRUCKS

Diesel-fueled trucks transport marine cargo, containers or chassis must be registered in the statewide Drayage Truck Registry prior to port or rail yard entry. For more information, go to www.arb.ca.gov/drayagetruck.

DRAYAGE TRUCKS (more than 33,000 lbs GVWR)

- 1993 MY or older engines are no longer allowed and 1994-2003 MY engines must have PM filters
- 2004 MY engines must have PM filters by Jan. 1, 2012
- 2005-2006 MY engines must have PM filters by January 1, 2013

DRAYAGE TRUCKS (26,001-33,000 lbs GVWR)

- All must have PM filters by January 1, 2012, if operating in the South Coast Air Basin

ALL TRUCKS (more than 26,000 lbs GVWR)

- Must have 2007 MY or newer engines by 2014
- Must have 2010 MY or newer engines by 2023

TRACTORS AND BOX-TYPE TRAILERS

The Tractor-Trailer Greenhouse Gas regulation applies to 53-foot or longer box-type trailers, including both dry-van and refrigerated-van trailers, and all heavy-duty tractors that pull them on California highways. Any person residing in California who sells an affected vehicle must provide a disclosure notice to the buyer. For more information see www.arb.ca.gov/cc/hdghg/hdghg.htm.

Currently, all 2011 MY or newer sleeper-cab tractors and trailers must meet SmartWay aerodynamic requirements. All 2011 MY or newer tractors and trailers must have low-rolling resistance tires.

2010 Model Year or Older Trailers

- July 1, 2011 – Optional phase-in registration deadline for large fleets. (21 or more trailers).
- July 1, 2012 – Optional phase-in registration deadline for small fleets. (20 or fewer trailers).
- January 1, 2013 – All pre-2011 MY tractors are required to have SmartWay low-rolling resistance tires.
- January 1, 2013 – All pre-2011 MY trailers are required to be in compliance with aerodynamic requirements unless they register for an optional phase-in plan, or short haul, local haul or storage trailer exemption. Fleets must report to ARB in order to obtain the exemption.
- January 1, 2017 – All trailers are required to have low-rolling resistance tires (except 2003-2009 MY reefer trailers have until 2018-2020).

TRANSPORT REFRIGERATION UNITS (TRU or Reefer)

All California-based TRUs and TRU generator sets must be registered and initial operator reports submitted: <https://arber.arb.ca.gov/Welcome.arb?prg=tru>

All 2003 model year and older TRU engines must be equipped with exhaust filters or be replaced by December 31, 2010 (enforcement for 2003 MY engines begins March 31, 2011). Annually, the compliance deadline is December 31 of the model year, plus seven years.

OTHER FLEET VEHICLES

PUBLIC AND PRIVATE SCHOOL BUSES (more than 14,000 lbs GVWR)

- Required to meet PM filter requirements from January 1, 2012, to January 1, 2014. All pre-1977 MY engines must be retired. www.arb.ca.gov/dieseltruck

SOLID WASTE COLLECTION VEHICLES (more than 14,000 lbs GVWR)

- Public Transit Fleet Vehicles (more than 14,000 lbs GVWR) must meet final NOx and PM requirements by January 1, 2011. www.arb.ca.gov/msprog/bus/bus.htm

PRIVATE UTILITY, STATE AND LOCAL GOVERNMENT VEHICLES (more than 14,000 lbs GVWR)

- must all have PM filters by January 1, 2012. www.arb.ca.gov/msprog/publicfleets/publicfleets.htm

FUNDING OPPORTUNITIES

Grants are available to help fleets and individuals comply early with current California regulations. Equipment owners are encouraged to apply as early as possible to maximize potential funding options. Up to \$60,000 in grant money may be available to replace trucks with 2003 model year or older engines, with new or used trucks that operate at least 75 percent of the time in California. Up to \$20,000 is available to install PM filter exhaust retrofits. Limited grant funding is available for transport refrigeration unit retrofits or zero-emission technologies.

Loan assistance for small businesses with vehicles that operate at least 50 percent of the time in California may be available to help purchase trucks, aerodynamic trailers, PM filters, aerodynamic retrofits, or low-rolling resistance tires.

FOR MORE INFORMATION

Please contact ARB's diesel hotline at 866-6DIESEL (866-634-3735) or email 8666Diesel@arb.ca.gov or visit the TruckStop website at: www.arb.ca.gov/truckstop.

To obtain this document in an alternative format or language please call (800) 242-4450 or email helpline@arb.ca.gov