



successstories

Success Story #1

Mobile Source Pollution Reduction School Bus Replacements & Retrofits





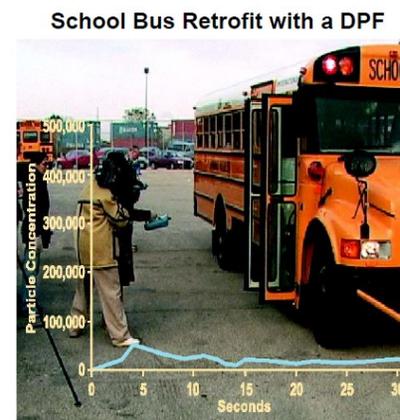
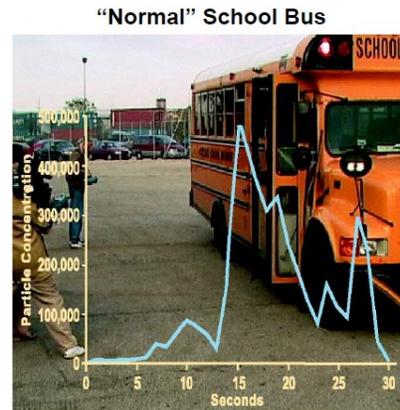
Great strides have been made in the past decade to reduce pollution from mobile sources in Rhode Island. A major focus has been on reducing pollution by retrofitting, repowering, and modernizing vehicles in the existing fleet, due to the fact that many non-road and heavy-duty vehicles have a much longer usage life

than do light duty on-road vehicles.

In July 2007, Rhode Island passed a bill aimed at retrofitting every school bus in the state. Known as the 2007 Diesel Emissions Reduction Act, the bill says, by 2010 all Rhode Island school buses will be equipped with advanced pollution control technology to help reduce children's exposure to diesel fumes.

Using Congestion Mitigation Air Quality (CMAQ) funding, Rhode Island was able to clean up the dirtiest school buses in the fleet. All full-size school buses older than model year 1994 were removed from service and 385 buses older than model year 2007 were retrofitted with emission control devices. These upgrades will significantly reduce negative impacts on human health as well as smog by reducing emissions of diesel particulate matter and nitrogen oxide.

Effectiveness of Retrofit Technology:



Source: Clean Air Task Force, Diesel and Health in America: The Lingering Threat.

Implementation:

- ★ As of Fall 2013 School Year: Removed all full-size school buses older than Model Year (MY) 1994 from service.
- ★ Invested \$870,000 to retrofit 385 full-size school buses older than MY 2007 with emission control devices.
- ★ Reduced health risks from diesel particulate matter (DPM) to Rhode Island school children by significantly reducing tailpipe emission and preventing engine emissions from entering the passenger cabin of the bus.