



Clean School Bus USA

www.epa.gov/otaq/schoolbus



- **What is Clean School Bus USA?**
 - Part of the National Clean Diesel Campaign (NCDC), Clean School Bus USA is a public-private partnership that seeks to reduce children's exposure to air pollution from diesel school buses.
- **What is the environmental impact of school buses?**
 - There are approximately 390,000 diesel powered public school buses in the U.S., which 24 M children ride daily. On average, students spend an hour and a half each day in a school bus.
 - Children are vulnerable to the effects of diesel emissions, which can cause respiratory disease and exacerbate long-term conditions such as asthma.
 - New standards set by EPA are in effect now and will ensure that new engines will be the cleanest in the world; however, the legacy fleet in operation today will continue to contribute significant levels of harmful emissions over the next 20 years.
- **What are the goals of Clean School Bus USA?**
 - Reduce both children's exposure to diesel exhaust and the amount of air pollution created by diesel school buses through the following strategies:

REDUCE IDLING: Eliminating unnecessary idling not only reduces diesel emissions, but reduces fuel costs and engine maintenance costs.

RETROFIT ENGINES: Verified technologies, such as Diesel Particulate Filters (DPFs) and Diesel Oxidation Catalysts (DOCs), can dramatically reduce diesel emissions.

SWITCH TO CLEANER FUELS: Switching to fuels that contain lower levels of sulfur (such as ultra-low sulfur diesel) reduces particulate matter, enhances the effectiveness of retrofit technologies, and can have a cleansing effect on the engine that reduces maintenance costs. Other cleaner fuel options are biodiesel, emulsified diesel and natural gas.

PROPERLY MAINTAIN EQUIPMENT: Properly maintained engines run cleaner and are less likely to need costly repairs.

REPLACE VEHICLES OR ENGINES: When feasible, replace existing engines with new cleaner diesel engines, hybrid engines or engines compatible with alternative fuels.

- **What funding is available?**
 - Funding opportunities for clean diesel projects can be found at the federal, state, regional, and local levels and can take the form of grants, tax incentives, contract bonuses, or supplemental environmental projects.
 - Specific information on funding can be found at: www.epa.gov/otaq/schoolbus/funding.htm
- **Who can I contact for more information?**
 - Rebecca Russo (US EPA Region 8, Rocky Mountain Clean Diesel Collaborative) at 303-312-6757, russo.rebecca@epa.gov