Are you prepared?

While newer equipment conforms to EPA's latest emission standards, older diesel equipment might not. Construction-related diesel engines can last 25 to 30 years. Therefore, it can be many years before older equipment is replaced with newer, cleaner equipment. Clean Construction USA offers many resources to help green your diesel equipment so you can compete for new green building business.

"We believe the trend will continue to move toward public entities requiring clean equipment on their projects. And we'd like to think we are positioning our company to be on the cutting edge of that process."

Leonard Cherry, President/Owner
Cherry Company, Texas

For More Information

To learn more about Clean Construction USA, visit:
www.epa.gov/cleandiesel/construction.

About the National Clean Diesel Campaign (NCDC)

EPA established NCDC to promote strategies that reduce harmful emissions from America's diesel engines. Through regulatory and innovative approaches, NCDC addresses new diesel engines as well as the millions already in use.

The Green Building Sector is Growing Rapidly.

Grow With It.

National Clean Diesel Campaign

August 2010
EPA-420-F-10-018

EPA

Clean Construction USA

National Clean Diesel Campaign
www.epa.gov/cleandiesel/construction

Stay Competitive by Greening Your Diesel Equipment and Fleet

The demand for green buildings and renovations is at an all-time high. Communities, developers, and consumers are not only demanding cleaner and higher performance buildings, but they are also seeking cleaner and greener construction partners.

Clean Construction USA is an innovative program that promotes reducing diesel emissions from construction equipment and vehicles.

Through NCDC, EPA provides grants and innovative financing mechanisms to assist eligible partners in building diesel emission reduction programs. The Diesel Emissions Reduction provisions in the Energy Policy Act of 2005 are a significant funding source to bring verified and emerging, cost-effective technologies to communities nationwide.

"In the construction business, green has become a priority. Our biodiesel strategy has helped position our company at the top."

Tom Ambrey, CEO
RAFN Construction, Washington State

Become a Leader

Clean Construction USA offers free tools, resources, and funding to owners and operators of diesel equipment and fleet engines to reduce diesel emissions. The program also offers strategies that not only reduce emissions and cut costs but also produce a safer and cleaner work site. These strategies include:

- Replacing outdated engine components.
- Installing certified and verified emission reduction technologies.
- Regularly maintaining all engines.
- Replacing older engines with newer equipment.
- Using higher quality cleaner fuel.
- Reducing engine idle times.

Installing retrofit devices on construction equipment is a cost-effective way to reduce emissions. For example, an Upgrade Kit installed on tractors and loaders can reduce nitrogen oxides (NO_x) emissions—a contributor to smog—at a cost of $2,600 to $4,900 per ton.

By participating in Clean Construction USA, companies improve their competitive edge as more jobs demand increased environmental responsibility on the work site, especially in the fast-growing green building sector.

The Clean Construction USA website contains information on these strategies and more, including case studies on how others have cleaned up their diesel construction equipment and fleets.

"Replacing old diesel engines with new ones means reduced CO_2, NO_x, and PM emissions, which saves fuel, the environment, and jobs."

John Brazel, Program Manager
Associated General Contractors of Kentucky

About Clean Construction USA

Clean Construction USA is a public–private initiative that provides owners and operators of diesel equipment in the construction industry with access to the resources they need to operate more sustainably and competitively. With construction equipment generating more than one-fifth of the NO_x and nearly 40 percent of the particulate matter (PM) contributing to decreased lung function, respiratory ailments, and premature death, clean diesel technology engines will deliver significant health and air quality benefits at the work site and beyond.

"In my former position as senior project coordinator for New York City's Metropolitan Transit Authority, and now at Columbia University, I have retrofitted hundreds of pieces of construction equipment with clean diesel technologies in metro New York. These upgrades have significantly reduced harmful diesel emissions with no adverse impact on equipment operation, while greatly benefiting both equipment operators and the local community. Equipment dealers are now offering diesel retrofit devices as an integral part of their business, making access to retrofit equipment and installation even easier."

Ramesh Raman, Executive Director
Construction Field Compliance
Columbia University, New York

www.epa.gov/cleandiesel/construction
www.epa.gov/cleandiesel/construction