Cleaner Air Starts with Cleaner Trucks.
From the largest refuse company in the United States to some of the smallest independent operators, refuse companies are increasingly investing in natural gas vehicles.

Natural Gas Refuse Trucks are Road-Tested & Ready to Deploy

The VW Settlement’s Environmental Mitigation Trust (EMT) Fund provides millions in funding for states to replace older diesel vehicles with new cleaner trucks and buses that reduce NOx emissions. For private refuse fleets, funds may be used to offset 25 percent of each new natural gas collection and recycling vehicle. For government fleets, state authorities may fund up to 100 percent of the cost for new trucks.

Lifetime Pounds of NOx Reduced

- **Natural Gas**: 583,317 lbs.
- **Diesel**: 80,578 lbs.
- **Electric**: 88,027 lbs.

**Figures above represent the lifetime emission reduction benefits of using $10 million to replace older diesel vehicles with new, cleaner trucks. For purposes of the calculations here, it is assumed that VW Settlement Funds are used to offset 25 percent of the cost of each new natural gas and diesel refuse truck and 75 percent of the cost of a new electric refuse truck, as allowed by the Trust.**

**Natural Gas Achieves the Most Cost-Effective NOx Emissions Reductions**

When comparing the cost of NOx reduction, natural gas refuse trucks are 86 percent more cost effective than diesel alternatives and 54 percent more cost effective than electric options.

*Emission comparisons are based on results using Argonne National Laboratory’s HDVEC tool (https://afleet-web.ex.anl.gov/hdv-emissions-calculator/) and include modeling of new low-NOx natural gas engines and the diesel in-use emission option.*

Find out more about championing reduced truck emissions in your community at [www.ngvamerica.org](http://www.ngvamerica.org).
Clearing the Air Doesn’t Have to Break the Bank

Natural gas trucks offer a fast return-on-investment (ROI) due to low fuel and maintenance costs.

With today’s oil prices, natural gas prices can be $.75 to $1.50 or more lower than diesel at the pump. This price differential quickly translates into substantial fuel savings for refuse trucks, which typically consume around 8,000 diesel gallon equivalents (DGEs) and log 23,400 miles per year, and have tough-duty cycles, low miles per gallon, and high engine hours.

DeKalb County, GA: DeKalb County Department of Sanitation, which serves more than 170,000 customers, operates 120 CNG refuse trucks fueled 100 percent with renewable natural gas produced from landfill biogas. For every diesel truck it replaces with natural gas, WM reduces its diesel fuel use by an average of 8,000 gallons per year and slashes its greenhouse gas emissions by 14 metric tons annually.

Calculate Natural Gas Emissions Benefits Yourself

Compare emissions of commercially-available alternative fuel medium- and heavy-duty vehicles with the Heavy-Duty Vehicle Emissions Calculator (HDVEC) tool.

Developed by the U.S. Department of Energy’s Argonne National Laboratory using its AFLEET Tool 2017, this online resource aids school bus fleet managers and decision makers in comparing vehicle emission reduction options to assist in maximizing their new vehicle funding investment.