Cleaner air starts with cleaner buses.

Minimize your students’ exposure to harmful emissions and save money at the same time by transitioning your school bus fleet to natural gas power.

Natural gas buses provide communities across the U.S. with a clean, reliable, and cost-effective transportation option for school children.

Formulate a New Emission Statement for Your School District

Help Your Students Catch Their Breath

Breathing in vehicle particle pollution (including nitrogen oxides, or NOx) increases the risk of asthma, lung cancer, heart disease, and premature death. Today, there are 6.2 million America with asthma under the age of 18, and asthma is the leading chronic disease in children. It is also the leading reason for missed school days.

Source: Centers for Disease Control and Prevention

No Proven Commercially-Available School Bus Powertrain Solution Today Runs Cleaner than Natural Gas.

Natural gas engines are the only zero emission equivalent or near-zero engines that are certified by both the U.S. Environmental Protection Agency (EPA) and California Air Resources Board (CARB) to perform 90 percent cleaner than their cleanest diesel-burning counterparts. And when powered by renewable natural gas captured from agricultural, food, landfill, or wastewater waste, the result in some cases can be a carbon neutral or even negative product.

Source: U.S. EPA, CARB

Most Cost-Effective NOx Emissions Reductions

Dollar-for-dollar, natural gas vehicles deliver the most cost-effective NOx emissions reductions. Natural gas school buses are up to 95 percent more cost effective than diesel alternatives and 53 percent more cost-effective than limited and unproven electric options.

Source: Argonne National Laboratory, HDVEC Tool

Natural Gas $90 per lb. of NOx

Diesel $1,764 per lb. of NOx

Electric $190 per lb. of NOx

Find out more about championing reduced bus emissions for your students at www.ngvamerica.org.
$35,000
fuel savings
per bus
(for anticipated 15 year vehicle life)

Clearing the Air
Doesn’t Have to
Break the Bank

Natural gas buses offer a fast
return-on-investment (ROI)
due to low fuel and mainte-
nance costs.

With today’s oil prices, natural
gas prices can be $1 or more
lower than diesel at the pump.
This price differential quickly
translates into substantial fuel
savings for school buses,
which typically consume
around 2,300 diesel gallon
equivalents (DGEs) per year,
and have tough-duty cycles,
low miles per gallon, and high
engine hours.

Natural gas buses are easier
to maintain than diesel
counterparts:
• No diesel particulate matter
  filter regeneration or waste
• No selective catalytic
  reduction
• No diesel emissions fluid

Natural Gas is Now

Why wait for ultra-expensive electric technology to
be developed and proven? Natural gas buses are
affordable and sustainable now, especially when
fueled with renewable natural gas.

Natural gas is abundant and domestic. And natural
gas is widely available with a well-established and
growing infrastructure. See for yourself at:
www.ngvamerica.org/fuel/.

Join the more than 150 U.S. school districts operating
over 5,500 natural gas school buses today in clearing
the air for our kids. No investment in reducing
asthma-producing school bus emissions is as cost
effective as natural gas.

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.

Accessible online at:
http://afleet-web.es.anl.gov/hdv-emissions-calculator/
or http://www.ngvamerica.org/vactioncenter/.

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bus emissions for your students at www.ngvamerica.org.