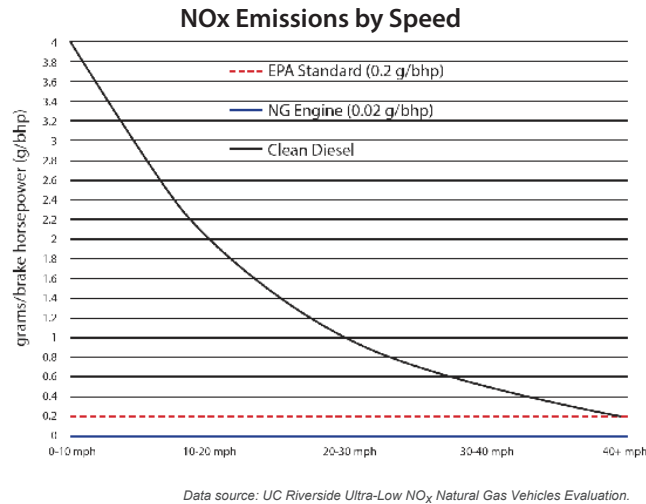


## NGVs Reduce NOx Emissions

- NGVs produce 99.5% less NOx than their diesel competitor.
- Utilizing new technology diesel engines only meet the “near-zero” standard of 0.2 grams/brake horsepower when traveling at constant speeds above 40 mph. Natural gas engines achieve near-zero consistently, regardless of speed.
- According to the California Air Resources Board, this means that the effective NOx emissions value for the newest technology diesel engine is 20 times more than its natural gas counterpart.
- Emissions from diesel trucks are more severe as they make regular stops, which are typical of UPS, FedEx, Amazon delivery trucks, waste refuse trucks, public transportation buses and school buses. This leads to higher NOx emissions from diesel in densely populated and larger cities, adding to the already poor air quality.



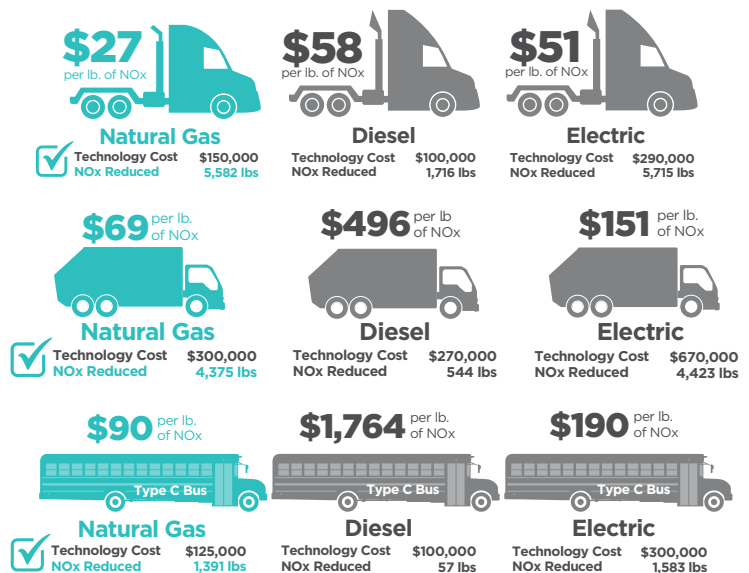
Data source: UC Riverside Ultra-Low NOx Natural Gas Vehicles Evaluation.

## Conclusions

- NGVs technology is ready to go now.
- NGVs offer short- and long-term savings.
- NGVs are the most effective way to reduce NOx and SOx.
- NGVs offer lower long-term maintenance costs compared to diesel engines.
- NGVs outperform diesel engines in NOx emissions.

## NGVs for Clean Air and Responsible Emission Reductions

- NGVs are the most efficient way to reduce NOx per dollars basis.
- NGVs provide the largest and most cost-effective reductions in pollutants than any other commercially available power-train options today.
- NGVs still provide more NOx reduction per dollar spent than their electric counterparts. Electric trucks lack horsepower, which limits electric trucks to light loads traveling on flat surfaces. Electric trucks also have limited range.
- NGV engines significantly reduce noise pollution and make for quieter refuse trucks and school buses.



## Reduce Fuel Costs with NGVs

- At 2021 prices, natural gas costs \$1.83 per diesel gallon equivalent (DGE), compared to \$3.29 per gallon of diesel.
- Based on the fuel savings alone, NGVs have a much shorter payback period than new technology diesel engines.
- Natural gas is domestically produced and its abundant supply is expected to keep prices low and stable going forward.

