

U.S. Department of Energy - Energy Efficiency and Renewable Energy
Alternative Fuels Data Center

Natural Gas Benefits

Natural gas is one of the cleanest burning alternative fuels available and offers a number of advantages over gasoline. In light-duty applications, air exhaust emissions from natural gas vehicles are much lower than those from gasoline-powered vehicles. In addition, smog-producing gases, such as carbon monoxide and nitrogen oxides, are reduced by more than 90% and 60%, respectively and carbon dioxide, a greenhouse gas, is reduced by 30%-40%.

For heavy-duty and medium-duty applications, natural gas engines have demonstrated more than 90% reduction of CO and particulate matter and more than 50% reduction of NO_x relative to commercial diesel engines.

To learn more about natural gas benefits, go to the Natural Gas Vehicle Coalition's [The NGV Message](#) page and the [About Natural Gas Vehicles](#) page.

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