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Moving Heavy-Duty Trucking Down the Path to Zero Emissions

Cummins Announces Industry-Changing 15-Liter Natural Gas Engine for North America

COLUMBUS, Ind.--(BUSINESS WIRE)-- Cummins Inc. (NYSE: CMI) today announced that it will bring to market a 15-liter natural gas engine for heavy-duty trucks. The 15-liter natural gas engine is an important part of Cummins strategy for its path to zero emissions to go further, faster to reduce the greenhouse gas and air quality impacts of its products in a way that is best for its customers and all stakeholders.

The strategy focuses on new powertrains including advanced diesel, natural gas, hydrogen engines, hybrids, battery electric, and fuel cells along with an increased use of low carbon fuels and renewable electricity and related infrastructure. The expanding product lineup will help achieve Cummins' PLANET 2050 environmental goals which include lowering emissions from newly sold products by 30% by 2030 and a goal of carbon neutrality by 2050, aligned with the Paris Climate Accord targets.

"Cummins continues to expand our portfolio of power solutions options so customers can meet their business goals and operational objectives, while also meeting emissions standards and achieving their sustainability goals," said Srikanth Padmanabhan, President, Engine Business, Cummins. "We believe this natural gas option is a game changer as a cost-competitive power option to existing diesel powertrains in heavy-duty trucking, making it a great complement to reduce CO2 emissions. The launch of our universal 15-liter platform for heavy-duty ensures a full range of natural gas powertrains that are available to meet the emission reduction goals of all customers and end markets. Equally exciting is that this engine is also the basis for the recently announced hydrogen internal combustion engine currently being tested that we are developing. Cummins continues to broaden our range of power solutions to help our customers succeed and help them transition seamlessly to the cleanest and most efficient options."

The 15-liter natural gas engine can be paired with a Cummins Eaton Automated Transmission Technologies Endurant HD Transmission and Cummins Fuel Delivery System, ensuring a purpose-built and fully integrated natural gas powertrain. Other transmission pairings will be available at launch for specialized applications. The 15-liter engine will offer ratings up to 500hp and 1,850 ft-lbs of torque and is expected to weigh 500 lbs less than

comparable 15-liter diesel engines currently available on the market while not requiring Selective Catalytic Reduction (SCR) to meet 2024 California or Environmental Protection Agency emission standards.

“Cummins is committed to providing customers the right powertrain for their application,” said Brett Merritt, Vice-President, On-Highway Engine Business, Cummins. “We are bringing this to our customers who have been asking for a natural gas option for long-haul trucking and we are bringing them a very cost-effective and efficient option. This engine will not only deliver the excellent performance characteristics that customers expect from Cummins, but also a compelling total cost of ownership experience, coupled with a potential carbon-negative powertrain option when powered with renewable natural gas.”

“Initial interest in the 15-liter Natural gas powertrain has far exceeded our expectations,” said Puneet S. Jhawar, General Manager, Natural Gas, Cummins Inc. “Heavy duty customers are excited about a new pathway to lower their fleet emissions at a competitive cost with a mature, proven technology.”

When powered with renewable natural gas (RNG), using methane collected from organic waste as the primary fuel source, the system can be credited with a neutral to negative carbon index, resulting in net greenhouse gas (GHG) emissions at or below zero.

For the first time last year, the energy weighted carbon intensity (CI) value of California’s natural gas vehicle fuel portfolio in the Low Carbon Fuel Standard (LCFS) program was below zero—at -0.85 gCO₂e/MJ.

About Cummins Inc.

Cummins Inc., a global power leader, is a corporation of complementary business segments that design, manufacture, distribute and service a broad portfolio of power solutions. The company’s products range from diesel, natural gas, electric and hybrid powertrains and powertrain-related components including filtration, aftertreatment, turbochargers, fuel systems, controls systems, air handling systems, automated transmissions, electric power generation systems, batteries, electrified power systems, hydrogen generation and fuel cell products. Headquartered in Columbus, Indiana (U.S.), since its founding in 1919, Cummins employs approximately 57,825 people committed to powering a more prosperous world through three global corporate responsibility priorities critical to healthy communities: education, environment and equality of opportunity. Cummins serves its customers online, through a network of company-owned and independent distributor locations, and through thousands of dealer locations worldwide and earned about \$1.8 billion on sales of \$19.8 billion in 2020. See how Cummins is powering a world that’s always on by accessing news releases and more information at <https://www.cummins.com/always-on>.

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