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Cummins Receives $54 Million in Federal Funding for SuperTruck and Light-Duty Projects

Energy Secretary Chu Visits Columbus Technical Center for American Recovery and Reinvestment Act Announcement

COLUMBUS, Ind.--(BUSINESS WIRE)-- United States Secretary of Energy Dr. Steven Chu today announced that Cummins will receive nearly $54 million in funding from the Department of Energy (DOE) for two projects aimed at improving fuel efficiency in heavy-duty and light-duty vehicles.

The Cummins awards were among nine project awards, totaling more than $187 million, announced at an event held at Cummins' Columbus Technical Center, which also was attended by U.S. Sen. Evan Bayh, Rep. Baron Hill and state and local officials.

Cummins will receive nearly $39 million in funding to support systems level technology development, integration, and demonstration for highly efficient Class 8 trucks (SuperTruck). The Company will receive an additional $15 million in funding to support advanced technology powertrains for light-duty vehicles (ATP-LD). In addition to the benefits of reduced fuel consumption and petroleum usage, the improvements in engine system efficiency will deliver a significant reduction in greenhouse gas emissions.

Cummins will partner with Peterbilt Motors Company, a division of PACCAR, for its SuperTruck project. The Cummins project will develop and demonstrate a highly efficient and clean diesel engine, an advanced waste heat recovery system, an aerodynamic Peterbilt tractor and trailer combination, and a fuel cell auxiliary power unit to reduce engine idling.

"Cummins has long enjoyed a collaborative partnership with the DOE. These R&D programs have helped us develop the best products for our customers and the environment," said Cummins President and Chief Operating Officer Tom Linebarger. "We appreciate the funding provided by the DOE for the Cummins SuperTruck and Light-Duty programs, which will create jobs, help address climate change and reduce oil consumption. This public-private partnership is a win for our economy, a win for the environment and a win for energy challenges. We are looking forward to working closely with Peterbilt on this important

technology project."

The goal of the SuperTruck program initiated by the DOE is to improve Class 8 vehicle freight efficiency by 50 percent through advanced and highly efficient engine systems and vehicle technologies that also meet prevailing emissions and Class 8 tractor-trailer vehicle safety and regulatory requirements. Every facet of energy consumption of a Class 8 tractor and trailer will be addressed through the development and integration of advanced technologies.

The ATP-LD program will develop a fuel-efficient, low emissions diesel engine that achieves a 40 percent fuel economy improvement over conventional gasoline technology and significantly exceeds 2010 EPA emissions requirements. The project will develop and demonstrate an advanced, highly integrated combustion engine and aftertreatment system to achieve Tier2 Bin2 emission compliance while maintaining vehicle performance and drivability. The project will also develop the system architecture to accommodate on-board diagnostic regulations from the design stage to better enable product commercialization.

During the program development, over 60 technical positions will be dedicated to the project work at Cummins. Successful production implementation will result in additional long-term positions.

"The DOE has provided strong leadership in establishing an advanced combustion engine research and development partnership between industry and government," said Cummins Vice President and Chief Technical Officer Dr. John Wall. "Cummins looks forward to continuing our partnership with DOE to develop advanced diesel, hybrid and natural gas engine technologies that will deliver more efficient and cleaner combustion engines to our customers."

Previous Cummins programs funded by the DOE have succeeded in creating both evolutionary and breakthrough technologies and analytical approaches allowing for a reduced timeline for the commercialization of vehicles powered by advanced combustion engines.

In 2007, Cummins introduced its 6.7 liter Turbo Diesel engine, which met 2010 emissions standards three years early. The 6.7 liter Turbo Diesel utilizes a NOx Adsorber Catalyst, which was first developed and demonstrated in collaboration with the DOE. Other key technologies such as Selective Catalytic Reduction, Cooled Exhaust Gas Recirculation, Diesel Particulate Filters, and Diesel Oxidation Catalysts all have been outcomes of the collaborative work funded by these programs.

Cummins' current product line-up, its cleanest and most fuel-efficient engines ever, applies all of these key technologies, validating the importance of the programs like the DOE SuperTruck and ATP-LD programs.

About Cummins Inc.

Cummins Inc., a global power leader, is a corporation of complementary business units that design, manufacture, distribute and service engines and related technologies, including fuel systems, controls, air handling, filtration, emission solutions and electrical power generation systems. Headquartered in Columbus, Indiana (USA), Cummins serves customers in

approximately 190 countries and territories through a network of more than 500 company-owned and independent distributor locations and approximately 5,200 dealer locations. Cummins reported net income of $755 million on sales of $14.3 billion in 2008. Press releases can be found on the Web at cummins.com or everytime.cummins.com.

Source: Cummins Inc.