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DOE LAUNCHES SUPER TRUCK II WITH \$80M IN FUNDING

DATE: March 2, 2016

TO: CALSTART Members

The US Department of Energy (DOE) is launching SuperTruck II, an \$80-million funding opportunity (DE-FOA-0001447), subject to congressional appropriations, for research, development and demonstration of long-haul tractor-trailer truck technology.

SuperTruck II includes more aggressive overall freight efficiency and engine brake thermal efficiency goals—specifically, a greater than 100% freight efficiency goal and greater than or equal to 55% engine brake thermal efficiency goal.

In addition, SuperTruck II also requires demonstration of the same or improved vehicle performance (acceleration, gradeability) relative to a 2009 baseline and includes cost requirements to provide a shorter payback period for the fleet customer, which is needed to foster a more rapid market adoption of new energy efficient technologies.

The application focus for SuperTruck II is Class 8 long-haul trucks using conventional fuels (diesel or gasoline). However, the use of Class 8 regional-haul trucks is expected to increase in the future as more container ships begin to arrive on the East Coast due to the widening of the Panama Canal; improving the efficiency of regional-haul trucks is becoming more important as fleets shift to daycabs to accommodate shorter hauls.

As such, to the greatest extent possible, technologies selected to meet the SuperTruck II freight efficiency improvement goal for heavy-duty Class 8 long-haul trucks should be applicable to Class 8 regional-haul trucks as well, DOE said.

Achieving Class 8 truck efficiency increases will require an integrated systems approach to ensure that the various components of the vehicle work together. Applications must include a Class 8 truck original equipment manufacturer (OEM). Additionally, DOE is highly encouraging team participation by an engine manufacturer, a trailer manufacturer, suppliers, national labs, universities, fleet operators, and other stakeholders.

Individual awards are expected to vary between \$5,000,000 and \$20,000,000; DOE anticipates making awards that will run 48-60 months in length.

The deadline to submit concept papers is March 30, 2016. The deadline to submit full applications is May 10, 2016. Follow this link to access the Funding Opportunity Announcement Documents <https://eere-exchange.energy.gov/default.aspx#FoaId0aa8732c-3c61-4040-aa2b-cd4fba6797d0>

CALSTART Members interested in exploring partnering on this solicitation should contact Jasna Tomic at jtomic@calstart.org or 626-744-5695.