

NEWS



Manufacturers of Emission Controls Association

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MECA Highlights American Jobs, Economic Contribution of Mobile Source Emission Control and Efficiency Technology Industry

Washington, D.C. – According to data collected by the Manufacturers of Emission Controls Association, MECA member companies accounted for over 70,000 jobs across North America in 2016. MECA member companies manufacture emission control and efficiency technologies for a range of mobile sources such as passenger cars, heavy-duty trucks, and off-road equipment. These jobs are located in nearly every state in the United States – the top 10 states in the U.S. are Michigan, Texas, Illinois, Virginia, New York, Indiana, North Carolina, Ohio, Pennsylvania, and South Carolina – as well as in Canada and Mexico. This employment figure does not include the tens of thousands of additional jobs in the automobile, truck, and engine manufacturing industries that are involved with installing these technologies on today’s vehicles.

In addition, MECA estimates that the emission control technology market for new light-duty and heavy-duty vehicles in North America will reach approximately \$20 billion in 2017 (as part of an overall global market of \$95 billion). Going forward, MECA estimates that the North American market will continue to show strong growth, reaching over \$23 billion by 2020. These economic benefits are due in large part to the implementation over the years of cost-effective and technically feasible clean vehicle and fuel regulations by the U.S. Environmental Protection Agency (EPA) and California Air Resources Board (ARB).

“EPA and ARB policies have not only provided important health benefits stemming from large reductions in emissions from mobile sources but have also created an industry with significant numbers of highly skilled jobs and a global economic reach,” MECA Executive Director Rasto Brezny said. “We expect this emission control economic activity to grow even more as the industry continues to ramp up its efforts to meet the requirements of existing air quality regulations – such as EPA/ARB’s Tier 3/LEV III light-duty vehicle programs and federal rules to improve fuel economy and reduce greenhouse gas emissions from cars and trucks – as well as new and more stringent regulations in the future in the U.S. and around the world.”

The U.S. mobile source emission control program has rightly earned the reputation as one of the world's great environmental success stories. Today, emissions of harmful pollutants from new on- and off-road vehicles and equipment are a small fraction of those emitted from those made in the 1970s. As a result, the ambient air we breathe is much cleaner than it was 40 years ago. Notable technologies that have contributed to this success story include catalytic converters, diesel particulate filters, selective catalytic reduction systems, evaporative emission controls, and sensor technologies. In addition, powertrain efficiency technologies – such as turbochargers, fuel injection, waste heat recovery, and 48-volt hybrid technology – are being commercialized or are in development for mobile sources to improve fuel economy and reduce greenhouse gas emissions. Furthermore, emission control technologies have been applied to not only new engines but to in-use engines as well through the introduction of heavy-duty diesel retrofit programs – namely, EPA's clean diesel program funded under the Diesel Emissions Reduction Act and ARB's suite of in-use diesel fleet rules such as the Truck and Bus Regulation – and light-duty gasoline aftermarket converter programs.

“Advanced mobile source emission control technology has been a cornerstone in our nation's continuing efforts to clean up the air we breathe. Investment in green industries is critical to the U.S.'s competitiveness in the global economy. The mobile source emission control technology industry alone is expected to invest approximately \$3 billion in research and development in 2017. This type of investment provides economic benefits by creating jobs and increasing productivity in this country and by supporting the export of these state-of-the-art technologies to other parts of the world,” Brezny added. “The success story of the U.S. mobile source emission control and efficiency technology industry has proven that a clean, healthy environment and economic growth are not mutually exclusive.”

Founded in 1976, MECA is a national association of companies that manufacture a variety of exhaust emission control technologies, evaporative emission control technologies, and powertrain efficiency technologies for a range of mobile sources, including cars, trucks, buses, and off-road vehicles and equipment from small handheld engines to locomotive and marine engines, as well as stationary internal combustion engines. For more information, please visit MECA's website at: www.meca.org.

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