



## FOR IMMEDIATE RELEASE

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### **MECA Releases New Emissions Inventory Report Highlighting the Potential Benefits of a Revised Federal Light-Duty On-Road Particulate Matter Standard**

**Washington, D.C.** – MECA Clean Mobility (MECA) has released a new report today that presents the environmental impact assessment of a modeled revision to the US federal particulate matter (PM) standard for light-duty on-road motor vehicles. The report, titled "[Impacts Analysis of a Revised Federal Light-Duty On-Road Particulate Matter Standard](#)," provides estimated emission benefits through year 2060 and health benefits and valuation through 2050 for both fine particulate matter (PM<sub>2.5</sub>) and black carbon.

Importantly, our study assumes three different rates of electrification and reports the emissions benefits for a PM standard that applies only to the remaining vehicles with internal combustion engines. The results below are in addition to any PM emission reductions achieved through increased turnover to electric vehicles.

Our study concludes that the cumulative benefits from the combustion vehicle fleet through 2050 would be:

- 58,000 to 112,000 tons of PM exhaust emissions eliminated
- 42,000 to 81,000 tons of black carbon emissions eliminated
- \$18B to \$163B of healthcare cost savings

For nearly 50 years, MECA members have delivered technologies that reduce PM<sub>2.5</sub> and black carbon emissions associated with increased lung and cardiovascular diseases and climate change. The data indicates that the environmental impact of such emission controls on internal combustion engines will be significant well into the future – independent of the rate of electrification – and supports EPA's recently proposed PM standards for light- and medium-duty vehicles.

Simply put, deploying a regulatory control strategy that includes a combination of electric vehicle penetration and best available exhaust controls on the remaining

combustion vehicles approximately doubles the exhaust PM2.5 reductions achievable by electrification alone.

On April 12, 2023, the U.S. Environmental Protection Agency (EPA) announced new, more ambitious proposed standards to further reduce criteria and climate pollutant emissions from light-duty and medium-duty vehicles starting with model year 2027. While we began our study before EPA's recent proposal, the standards we modeled are very close to those proposed by EPA. These standards provide EPA with an excellent opportunity to improve the health of all Americans, particularly those who spend significant time near roadways.

#### About MECA

Founded in 1976, MECA is a nonprofit trade association of the world's leading manufacturers of clean mobility technologies. From combustion to electrification, MECA members are delivering solutions to improve the overall lifecycle emissions footprint of vehicles, including engine, aftertreatment, battery and fuel cell components for conventional, hybrid and electric passenger cars, heavy-duty trucks and off-road equipment.

Over the past 50 years, mobile source emission reduction policies have not only delivered important health benefits but have also helped create an industry with a significant number of well paying highly skilled jobs and a global economic reach. MECA member companies represent over 70,000 of the nearly 300,000 North American jobs building the technologies that improve the fuel economy and reduce emissions of today's vehicles. This employment figure does not include the tens of thousands of additional jobs in the automobile, truck, and off-road equipment assembly manufacturing industries.

For more information, please visit us on our website ([www.meca.org](http://www.meca.org)), LinkedIn (<https://www.linkedin.com/company/11480859>) and on Twitter (@MECAforCleanAir).

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