

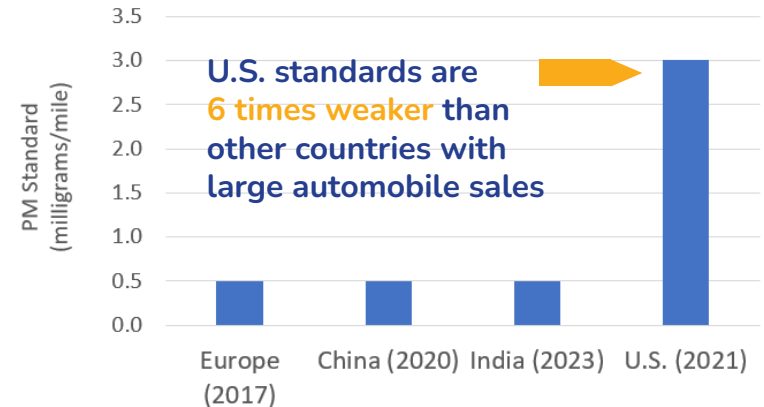
The fastest path to healthier air?

Cost-effective combustion engine controls and electrification.

Insist that the EPA adopt the 0.5 mg/mile particulate matter (PM) standard to deliver the greatest health benefits to all communities now

- Americans living and working near interstates, highways, ports and other transit hubs experience higher exposures to air contaminants, many of which contribute to disproportionately adverse health effects.
- Particulate matter control technology virtually eliminates the PM from combustion vehicles under all operating conditions – for about the cost of \$50-\$200 per car!
- Tackling combustion PM in parallel to bringing electric vehicles into the fleet will double the amount of reductions from electrification alone.
- US-made PM controls support the US manufacturing workforce during the transition to electrification.

US PM standards lag behind Europe, China, and India.



**EU, China and India limits estimated as PM mass*

We have fallen behind these other automotive producing regions by failing to deploy the best available control technology on gasoline vehicles.

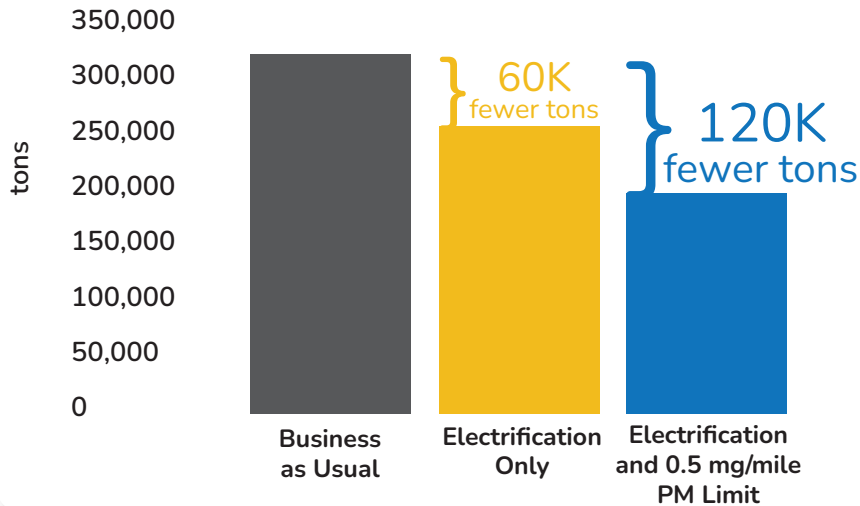
The 0.5 mg/mile PM limit ensures best available technology is deployed



meca.org

Advanced fuel injection and gasoline particulate filters offer cost-effective solutions to achieving a 0.5 mg/mile PM limit

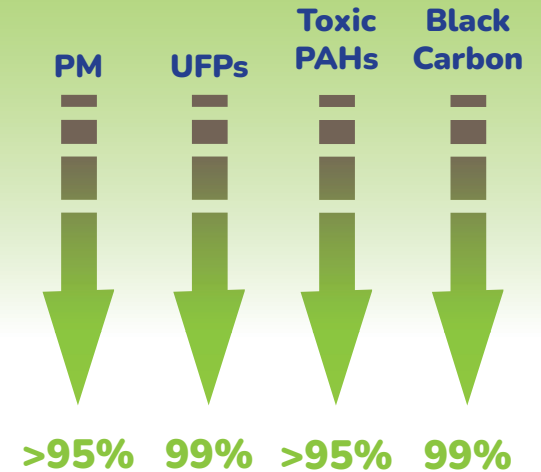
Tons of PM Emitted by 2050



Tightening the PM standard and electrification **avoids twice the amount of emitted PM by 2050** than by electrification alone!

The benefits of filtration extend way beyond PM reductions

These controls will reduce ultra-fine particulates (UFP), polycyclic aromatic hydrocarbons (PAHs), and black carbon (BC) – which has a greenhouse gas (GHG) warming potential 2000 times that of CO₂.



Health benefits of adopting a 0.5 mg/mile particulate standard

161,000

AVOIDED ASTHMA ATTACKS

590,000

AVOIDED LOST WORKDAYS

5,000 – 11,500

AVOIDED LIVES LOST



meca.org

