



MECA

SUPPLYING CLEAN MOBILITY

DRIVING FORWARD:

**Clean Mobility's Role
in the Energy Transition**



Clean mobility technologies provide essential solutions as the transportation sector evolves.

How MECA is Moving Clean Mobility Opportunities Forward

At this pivotal time, clean mobility suppliers understand the uncertainties around several critical indicators of the transition of our industry – including government policy, vehicle mix, infrastructure, critical minerals, investments, and renewable energy – that will each impact the transition's pace.

The regulations finalized in 2024 will continue to create market opportunities for technologies that reduce both criteria pollutants and CO₂ as transportation advances to the cleanest available technologies on all powertrains.

MECA'S FEDERAL VOICE FOR CLEAN MOBILITY SUPPLIERS

MECA members' perspectives and technical expertise were critical input for regulators as recent standards were developed.

Through meetings with EPA staff, state and environmental groups, and other stakeholders, MECA voiced support for EPA's proposal while stressing the role that both traditional and emerging technologies can play in achieving the most cost-effective emission and GHG reductions in all applications and sectors.

MECA also conducted technical briefings with other agencies and offices to provide clean mobility suppliers' perspectives on how technology solutions can achieve U.S. environmental goals, and how the transportation transition impacts suppliers' operations like manufacturing and employment.

Beyond these engagements, MECA continues to participate in federal initiatives to advance clean fuels and vehicle efficiency.

MECA'S TECHNOLOGY DEMONSTRATIONS ESTABLISH FEASIBILITY

A cornerstone of MECA's engagement in the regulatory process is providing support for technology demonstration programs on issues of significant importance to industry and air quality officials by supplying policy and technical information, hardware, and funding. For example, MECA members partnered on several comprehensive test programs – including a consortium to build a hydrogen combustion engine-powered truck – to demonstrate the capabilities of advanced clean mobility technologies to reduce NOx from heavy-duty vehicles and nonroad equipment by over 90%. In addition, MECA funds market and air quality studies with industry partners. Recently, MECA worked with air quality modelers to project emissions benefits from regulations that advance markets for emission control technologies. MECA also funded a light-duty life-cycle analysis to highlight the role of this methodology in climate policy considerations. Regulators reference MECA's published work to support the feasibility of science-based emission regulations.

MECA'S STATE ENGAGEMENT

MECA has a long-standing relationship with CARB in California. Our work with CARB on technology demonstrations for heavy-duty vehicles led to finalization of the Heavy-Duty Omnibus regulation and a federal low-NOx regulation. We are currently following the same path for nonroad engines and motorcycles.

To clean up emissions from in-use vehicles outside of California, MECA has engaged with states to provide a streamlined path to install the cleanest CARB aftermarket converters to federally certified vehicles. New York and Colorado have demonstrated the effectiveness of these guidelines, and now, MECA is supporting the Ozone Transport Commission to incorporate them into their aftermarket model rule.

MECA'S INTERNATIONAL INFLUENCE

MECA met with government agencies in Canada, Europe, India, China and South America in collaborations with our global affiliates: AECC, ECMA, CVEC, and AFEEVAS.

In support of harmonized regulations, MECA participates in the Informal Working Groups (IWG) of the UN Environmental Committee on Global Emission Regulations and the UNECE Working Party on Pollution and Energy. These international meetings on electric vehicles and life-cycle analysis methodology have resulted in battery durability performance standards being applied in the U.S. and Europe.

MECA Meets the Moment

As the mobile source industry transitions to a net carbon-neutral future, MECA continues to provide members with critical intel to inform business decisions and develop new markets.

MECA will continue to advocate for flexible policies that rely on diverse technology and energy approaches, building on its 50-year role as the voice of clean mobility technology companies.

Beyond ongoing regulatory activities, MECA will help our members manage the bumpy road of the transportation transition by monitoring key indicators that will each impact the pace of decarbonization.

Driving Forward...

Clean mobility suppliers have an important role to play in meeting our climate and clean air goals.

- Funding analysis and engagement to help members navigate the transportation transition
- Supporting EPA toward a national Tier 5 nonroad regulation
- Educating on the importance of life-cycle perspectives toward decarbonization
- Promoting technology neutrality to meet emission reduction goals
- Supporting greater electric efficiency for vehicles and chargers
- Collaborating on a federal clean fuel policy
- Engaging on CARB's Clean Cars and Clean Fleets amendments



2101 Wilson Boulevard
Suite 530
Arlington, VA 22201
(202) 296-4797

meca.org

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We are at an inflection point in the global transportation transition.

MECA is addressing challenges and looking for opportunities to shape policies that grow markets for MECA members, maintain technology diversity, and foster innovation.

MECA has been hard at work ensuring that the clean mobility technology industry is heard and that the critical role it plays in achieving environmental goals is recognized in the U.S. and around the world.

Meet the MECA Team

MECA provides technical information on emission control, electric, and efficiency technologies to facilitate the establishment of a strong and effective state, national, and international air quality policy that promotes public health and the environment alongside industrial progress.

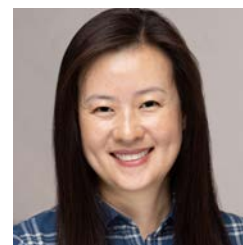
MECA informs members of developments that affect the emission control industry so that they can make informed business decisions.



Executive Director
Rasto Brezny
rbrezny@meca.org



Deputy Director
Michael Geller
mgeller@meca.org



Environmental Protection Specialist
Jamie Song
jsong@meca.org



Technical Consultant
Kevin Brown
kbrown@meca.org



International Consultant
Joe Kubsh
jkubsh@meca.org



China Consultant
Reggie Zhan
reggiezhan@outlook.com