



National Hydrogen Association

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Hydrogen and Fuel Cells in Transportation — the Future is Arriving

A briefing on June 12, 2009, 1-3 pm, Room 128 Dirksen Senate Office Building

Industries, along with federal and state governments, have invested nearly \$4 billion in the development and demonstration of hydrogen and fuel cell technologies. Many studies by DOE, the National Academies and industry have clearly shown the technical barriers that need to be overcome and the pathways to commercial success. Considerable progress has been made in identifying and solving key technical problems. Early market applications like portable and backup power, materials handling equipment and municipal buses are growing, building technical bridges to more widespread market applications — especially in the transportation sector.

The greatest gains in end use efficiency and greenhouse gas reductions will come with mass markets — Zero Emission Vehicles running on domestic hydrogen. Some 350-380 million light duty vehicles could be on U.S. roads by 2050, yet today's fleet of some 230 million emit over a third of all our CO₂. Replacing oil and taking the auto out of the environmental equation is a complex and lengthy undertaking, and a balanced portfolio is critical if government's leadership role in research, development and demonstration is to achieve real value. Consequently, the FY 10 DOE Budget Request that eliminates hydrogen programs is of serious concern.

Our speakers are at the leading edge of industry action. Key Members of Congress will be making remarks. Please join us for a timely discussion.

- ***Edward Kiczek, Director of Global Business, Hydrogen Energy Systems, Air Products and Chemicals***
- ***Robert Wimmer, National Manager, Technical and Regulatory Affairs, Energy and Environmental Research, Toyota Motor North America***
- ***Keith Cole, Director of Advanced Technology Vehicle Strategies and Legislative Affairs, General Motors***
- ***Sascha Simon, Director, Advanced Product Planning Group, Mercedes-Benz USA***
- ***Edward Cohen, Vice President, Government and Industry Relations, American Honda Motor Co.***
- ***Panel discussion and a question and answer session will follow.***

Moderator will be Jerome Hinkle, Vice President for Policy and Government Affairs at NHA—please contact us for further information at (202) 223-5547 or visit www.hydrogenassociation.org.