



Solving the Market's Dilemmas—Energy Infrastructure for Fuel Cell Electric Vehicles

March 5, 2010, 10 am – 11:30 am, Senate Dirksen Office Building, Room 628

As Zero Emission Vehicles approach commercialization, **energy supply infrastructure** needs to be built in tandem if large stranded asset costs are to be avoided. Deploying hydrogen fuel cell, electric drive hybrid vehicles will require considerable investment in fueling equipment to realize their full potential to eliminate oil consumption and emissions, while creating many new jobs. Devising solutions is a significant economic challenge. The importance of these factors was anticipated in the *Energy Policy Act of 2005*, *Energy Independence and Security Act of 2007*, and the *American Reinvestment and Recovery Act of 2009*. Various federal and state budgets since the mid-1990s have funded considerable research, development and demonstration. Industry and governments have invested more than \$8B in RD&D, and markets are within reach.

California and 14 other states are implementing plans to require ZEVs soon. GM, Toyota, Honda, Daimler, Ford, Hyundai/KIA, and Nissan-Renault have all announced commercial rollouts. This briefing will explore the relative costs and technical challenges facing energy supplies for light duty ZEVs, and look towards their extensive deployment as cost-effective solutions evolve. We expect a lively discussion.

There will be preliminary remarks from **Senator Daniel Akaka** of Hawaii, a long time supporter of hydrogen and fuel cells and advanced renewable technologies.

Benefits, Costs and Infrastructure—Solving the Challenges: Dr. C.E. Thomas, Board of Directors, National Hydrogen Association

Synchronizing Rollout of Vehicles and Infrastructure—the German Agreements: Sascha Simon, Advanced Product Planning Group, Mercedes-Benz USA

Transforming the U.S. Transportation Sector: Charles Freese, Executive Director of Fuel Cell Activities, General Motors

Progress in Hydrogen Fueling: Michael McGowan, Head of Strategic Alliances, Alternative Energy Solutions, The Linde Group

*Moderators will be Jerome Hinkle (NHA) and Ruth Cox (USFCC)—
please contact us for further information at (202) 223-5547, Or visit www.hydrogenassociation.org.*

**Presentations from this event will be available on the NHA website at
http://www.hydrogenassociation.org/policy/briefing_5mar10.asp**