



Bi-Monthly Informational Call and Meeting Series for State and Regional Initiatives

Call-in number: 301-903-7076

Topic: Fuel cell policy plan—the U.S. Fuel Cell Council (USFCC) has prepared a six-point plan to advance fuel cell research and commercialization over the next five years.

Presenters: Bob Rose, Executive Director, USFCC;
Bud DeFlaviis, Dir. of Gov't Affairs, USFCC

CEG Announcements

NHA Announcements



**NHA Conference
and Hydrogen Expo**

March 30 - April 3, 2009 • Columbia, SC
www.hydrogenconference.org/20years

**Celebrating Twenty Years of
Growing the Hydrogen Industry**

- Program now online: www.HydrogenConference.org

State/Regional H2FC Initiatives Workshop

- Save the date!
- In-person at the NHA Conference and Hydrogen Expo in the Columbia, SC Convention Center
- Monday, March 30 from 1-3:00pm
- Room: “Richland A”
- It’s free! (You don’t have to register for the conference to attend)

Workshop Format

- Round-robin: 7 topics, 20 mins each (like last year)
- Topics [we're looking for good speakers!]
 - Tax Incentives 101: How to use them
 - Telecom Backup Power: The business and regulatory case
 - H2 Vehicles: Fuel Cell Vehicles vs. Battery Electric Vehicles
 - Forklifts/Materials Handling: The business case
 - Road Mapping: The process for hydrogen roadmapping
 - Green Jobs Analysis



Thank you for attending the webinar!

Visit:

<http://www.eere.energy.gov/hydrogenandfuelcells/states>

for presentations and more info.

Legislative Update

State and Regional Hydrogen and Fuel Cell Initiatives Conference Call

February 4, 2009

Robert Rose

Breakthrough Technologies Institute

US Fuel Cell Council



US Fuel Cell Council

- Trade Association of the Industry
- Supports commercialization for all applications
- Member-led Working Groups
- International membership
- ~ 90 Members

Significant USFCC Activities 2008

- 8 year extension and improvements in installation tax credit \$3,000/ kW cap on industrial systems (up from \$1,000)
 - AMT fix, Extended to utilities and telecom
- International approval of five fuel fuels for carriage in aircraft passenger cabins
- New technical paper on seals and gaskets
- Active Hydrogen Quality Task Force
- Work with CARB on hydrogen infrastructure

Commercial Definition

The USFCC considers a fuel cell power system commercial if it meets the following three criteria:

- Offered for sale to the public
- Offered with a written warranty, supported by service capability
- Meets approved industry standards or is certified by an established industry body

2009 Legislative Agenda

- \$1.2 billion proposed for stimulus package
 - Federal purchases - \$100M
 - Fueling infrastructure - \$65M
 - Tax incentives – Not Priced
 - Manufacturing grants and credits - \$100M
 - Research and Vehicle demonstrations - \$725M
 - Transit buses - \$180M
- 5-year, \$6.7 billion plan for energy/climate change debate

Stimulus Status

- Tax incentives

- Increase hydrogen infrastructure credits to 30%/ \$200,000
- 30% tax credit for manufacturing investment
- Eliminates provisions that require recipients of federal or state grants to reduce their basis before calculating federal tax incentives
- Cap for multi-family residential installation increased to \$3,334/kW

Stimulus Status (cont.)

■ Tax incentives

- Possible conversion of ITC_t to grant
- Eased limits on business credit offsets in 2008-9
- 5 year carry back
- Eases limits on Clean Renewable Energy Bonds
- Increases max. size of Energy Conservation Bonds

■ R&D

- Share of \$2 - \$2.3 billion EERE research increase

Stimulus Status (cont.)

- Program Eligibility
 - \$3.5 billion for Energy Efficiency and Conservation Block Grants
 - \$3.4 billion for the State Energy Program
 - \$200 million for electric drive vehicles including fuel cells
 - \$400 million for Clean Cities vehicle pilot programs (up to 30 communities) Fuel cell vehicles are an eligible technology

Stimulus Status (cont.)

- Program Eligibility
 - \$3.5 billion DOD research program
 - \$350 million DOD energy demonstrations
 - \$8.5 billion Innovative Technology and Institutional Loan Guarantees
 - \$40 billion+ for efficiency, construction, transit, military construction and reconstruction

Six-Point Plan

- Comprehensive \$9.4 billion plan
- Designed to solidify fuel cells' position in federal energy /climate policy long term
- Final form but comments still welcome
- State-local role in the post-stimulus world?

Details

- Deployment - \$4.5 billion
 - Federal purchases (Sec. 783)
 - State-local-private purchases
- Tax Credits and Green Energy Policy
 - Improve investment tax credits
 - Increase credit for hydrogen infrastructure
 - Include electrochemical systems in federal renewable energy targets and mandates, smart grid programs

Details

- Manufacturing Capacity - \$500 million
 - R&D and grants
 - Enact manufacturing credit
- Fuel Cells for Transportation - \$1.4 billion
 - Comprehensive bus demonstration
 - Advanced demonstration for passenger cars
- Research - \$3 billion
 - PEM, SECA, fuels
- Climate Change Provisions

Questions?

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