



2010-2025 Scenario Analysis for Hydrogen Fuel Cell Vehicles and Infrastructure

Review and Discussion of Preliminary Results

August 9-10, 2006 ✦ Omni Shoreham Hotel ✦ Washington DC

Wednesday, August 9, 2006

7:30 am	<i>Coffee and Registration</i>
8:30 am	Welcome and Opening Remarks ▶ JoAnn Milliken, U.S. Dept. of Energy – Hydrogen, Fuel Cells & Infrastructure Technologies
8:45 am	Overview of 2010-2025 Scenarios ▶ Sig Gronich, U.S. Dept. of Energy – Hydrogen, Fuel Cells & Infrastructure Technologies
9:15 am	Geographically Based Infrastructure Analysis for California ▶ Joan Ogden, University of California – Davis
9:45 am	Selection of Urban Regions for Model “Lighthouse” Networks ▶ Margo Melendez, National Renewable Energy Laboratory
10:15 am	BREAK
10:30 am	Hydrogen Delivery Options and Issues, 2010-2025 ▶ Mark Paster, U.S. Dept. of Energy – Hydrogen, Fuel Cells & Infrastructure Technologies
10:50 am	Geographically Based Infrastructure Analysis ▶ Keith Parks, National Renewable Energy Laboratory
11:30 am	Hydrogen Production Infrastructure Options Analysis ▶ Brian James, Directed Technologies Incorporated
12:00 pm	LUNCHEON with Presentation HyDIVE™ (Hydrogen Dynamic Infrastructure and Vehicle Evolution) Model Analysis ▶ Cory Welch, National Renewable Energy Laboratory
1:00 pm	Convene in parallel breakout groups to discuss and provide feedback on the following key issues: 1) Penetration scenarios <ul style="list-style-type: none">– Comment on the market penetration rates for the different scenarios—what is needed in the 2010-2025 timeframe to create a sustainable hydrogen FCV market?– Do the scenarios provide a reasonable range of options? 2) Model “lighthouse” networks and physical layout of fueling stations <ul style="list-style-type: none">– Comment on the spacing of fueling stations and other network infrastructure– Comment on the physical plant/layout at the fueling stations and the required footprint 3) Production and delivery options <ul style="list-style-type: none">– Comment on the production and delivery infrastructure options
5:30	ADJOURN



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8:00 am	Coffee
8:30 am	Overview of Hydrogen & FCV Implementation Scenarios, 2010-2025 <ul style="list-style-type: none">▶ Sig Gronich, U.S. Dept. of Energy – Hydrogen, Fuel Cells & Infrastructure Technologies
9:00 am	2010-2025 Scenario Analysis and Impacts of Policies Using HyTrans <ul style="list-style-type: none">▶ David Greene, Oak Ridge National Laboratory
9:30 am	Policy Options for Encouraging Market Penetration of FCVs <ul style="list-style-type: none">▶ K.G. Duleep, Energy and Environmental Analysis, Inc.
10:00 am	Lessons Learned from CNG Vehicles, Electric Vehicles, and Hybrid Vehicles on Consumer Behavior and Policies (including results of the “Lessons Learned Workshop” held with OEMs in July 2006) <ul style="list-style-type: none">▶ Margo Melendez, National Renewable Energy Laboratory
10:30 am	BREAK
10:45 am	Convene in parallel breakout groups to discuss and provide feedback on the following key issues: <ol style="list-style-type: none">1) Policies<ul style="list-style-type: none">– What policies will be most effective in stimulating and sustaining adoption of hydrogen and FCVs in the 2010-2025 timeframe?– How long will policies need to be in effect to create a sustainable market?2) Demonstration Programs<ul style="list-style-type: none">– Comment on the demonstration program scenarios presented in the DOE 2010-2025 analysis. Will these be sufficient for both “technology development” and “market development?” What is the proper fleet vehicle vs. consumer sales ratio strategy?
12:15 pm	WORKING LUNCH Breakout groups prepare summary presentations for Closing Session
1:30 pm	Closing Plenary Session <ul style="list-style-type: none">▶ Summary Presentations from Breakout Groups▶ Closing Comments▶ Next Steps
2:30 pm	ADJOURN