Hydrogen Workshop for APEC Economies

Focus on Eastern Hemisphere
May 16, 2005
Sheraton-Waikiki Hotel
Honolulu, Hawaii
Workshop Purpose

- Present developing version of the *Sourcebook for Hydrogen Applications*
- Develop information on Codes and Standards and demonstration projects for hydrogen and fuel cells in APEC economies in Eastern Hemisphere.
- Understand hydrogen and fuel cell information needs of the APEC community
Morning Agenda

- 8:30 am  Welcome and Introductions
- 8:40  PATH (Jeff Serfass)
- 8:50  Workshop Purpose (Cary Bloyd)
- 9:00  The Sourcebook (Bob Hay)
- 9:20  Discussion
- 10:00  Coffee Break
- 10:15  Economy Presentations
- 12:15 pm  Lunch *(Honolulu Room)*
Economy Presentations

- China*
- Chinese Taipei
- Republic of Korea*
- Malaysia

- Mexico
- New Zealand
- Thailand
- United States
- IPHE

*invited
Afternoon Agenda

• 1:30 pm Economy Presentations (cont.)
• 3:30 Break
• 3:45 Roundtable Discussions
  » Hydrogen Demonstration Projects (Andre van Rest)
  » Hydrogen Codes and Standards (Bob Hay)
• 5:00 Summary & Concluding Remarks
• 5:30 Adjourn
Mission

• Create real and virtual global community of interest in hydrogen
• Help companies and universities connect internationally
• Develop consistent knowledge base internationally
  – Codes & Standards
  – Demonstrations
PATH Members

- Members
  - Canada
  - Japan
  - United States

- Observers
  - Argentina
  - China
  - Mexico
Activities

• Develop Sourcebook for Hydrogen Applications (APEC grant)
  – Includes two workshops to gather information
• Provide ideas and input into hydrogen and fuel cell demonstrations for the 2008 Olympics in Beijing
• Identify how regulatory changes in Japan effect codes for hydrogen and fuel cells
• Energy Committee has an interest in developing an understanding of hydrogen and fuel cells
• The ultimate goal is to encourage trade in these and other areas among its members and with the rest of the world
• This work is funded through an APEC energy grant with cost share funds from PATH members
Concurrent Session Discussion Rules
Discussion Session Rules

- Facilitator and note-taker in each session
- Note-taker compiles questions and responses and records major discussion points
- Each attendee will comment on each question
- After first round of discussion, additional comments will be solicited
Discussion Session Rules (continued)

- 15 minutes to discuss each question
- Limit initial comments to 2 minutes to allow time for explanation and comments.
- Note-takers will develop and present summaries of discussion sessions
Discussion Session One - Demonstration Projects

- Why is your economy interested in hydrogen?
- What major applications are consistent with that interest?
- What projects do you have or are you planning that would demonstrate that application?
- How do you anticipate the demonstration project to be funded and/or sponsored?
- Does the lack of standards impede deployment of demonstration projects in your economy?
Discussion Session Two
Codes and Standards

• Describe your economy’s Codes and Standards Process.
• Is your economy planning to develop codes and standards for hydrogen and fuel cells or adopt them from other economies/organizations?
• How will international standards be applied?
• Do you expect global technical regulations to impact domestic standards development?
• Does the lack of standards impede deployment of demonstration projects in your economy?