



U.S. DEPARTMENT OF
ENERGY

Education Session

DOE Overview

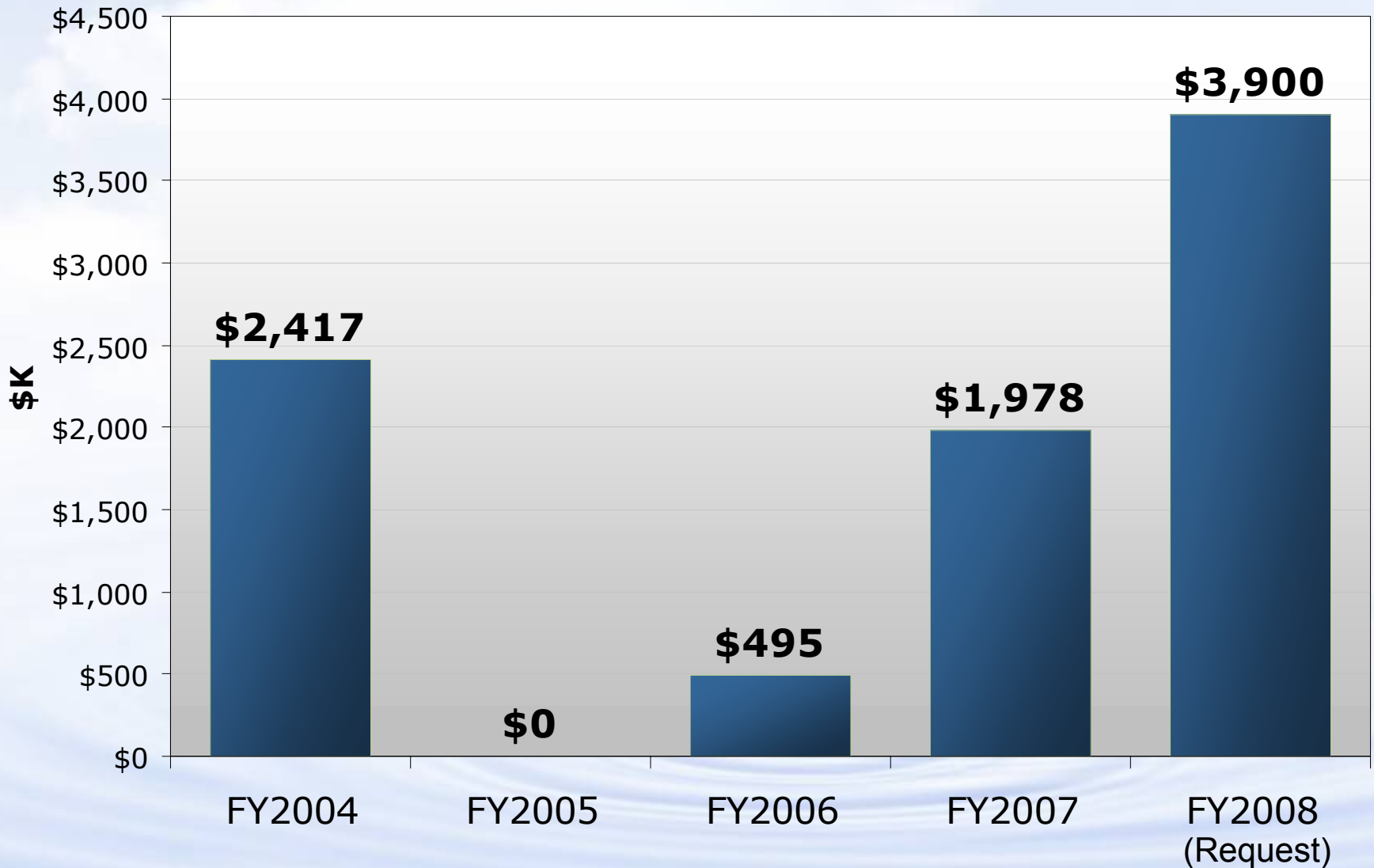
Christy Cooper

2007 DOE Hydrogen Program
Merit Review and Peer Evaluation Meeting

May 18, 2007



Budget History





Status and Priorities

- **Focus remains on target audiences with a direct role in advancing the use of hydrogen today**
 - End-user target audience has new priority with overall EERE and Hydrogen Program focus on market transformation
- **Activities must contribute to Education targets**
 - Targets based on results of 2004 knowledge and opinion survey
 - Targets are increases in a population's average score to survey's knowledge questions, compared to the 2004 baseline



* Safety and code officials were grouped in the state and local government and end user surveys in 2004; they will be surveyed as a separate target audience in 2009



Safety/Code Officials

2006 Accomplishments

- Launched Introduction to Hydrogen Safety for First Responders

Ongoing Projects and Future Plans

- Ramp up outreach for Introduction to Hydrogen Safety for First Responders
- Develop “prop course” for hands-on vehicle safety training
- Develop Introduction to Hydrogen for Code Officials



Introduction to Hydrogen Safety for First Responders

U.S. Department of Energy Hydrogen Program
www.hydrogen.energy.gov

COURSE MATERIALS LIBRARY

Hydrogen Basics Transport & Storage Hydrogen Vehicles Hydrogen Dispensing Stationary Facilities Codes & Standards Emergency Response Summary

INCREASE YOUR H₂IQ
www.hydrogen.energy.gov

You can learn more about hydrogen vehicle refueling by viewing the following video.

A: Paul: Steve, will you show us how to refuel this car?
S: Mathison: Sure! It's actually quite

Hydrogen Dispensing

Video: Hydrogen 2006, Hydrogen: The Safe and Clean Fuel

Low Bandwidth: High Bandwidth

Slide 2 of 4





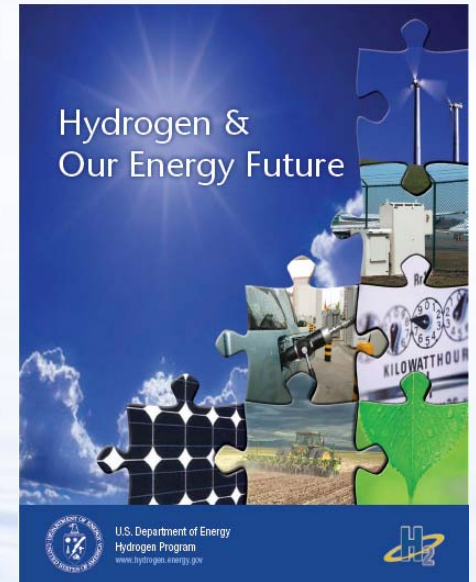
Local Communities Public

2006 Accomplishments

- Launched public education program, “Increase your H2IQ”
 - Radio spots
 - Podcasts
 - Hydrogen overview book

Ongoing Projects and Future Plans

- Ramp up public outreach through H2IQ program and partnership with NHA’s “H2 and You” campaign





State and Local Governments

2006 Accomplishments

- State and regional initiatives: bimonthly informational conference calls and in-person networking meetings (example topic: “Forklifts as an early market application”)

Ongoing Projects and Future Plans

- Continue bimonthly state and regional initiatives conference calls
- Planned FY2008 Solicitation: State and Local Government Outreach





End Users/Early Markets

2006 Accomplishments

- Developed information resources on early market applications
 - “Available Products and Early Market” podcast
 - Early Market fact sheets – forklifts and emergency backup power

Ongoing Projects and Future Plans

- Develop informational vidcast: “Forklifts as early market application”
- Planned FY2008 Solicitation: Early market deployments and coordinated outreach



fact sheets



podcasts



vidcasts



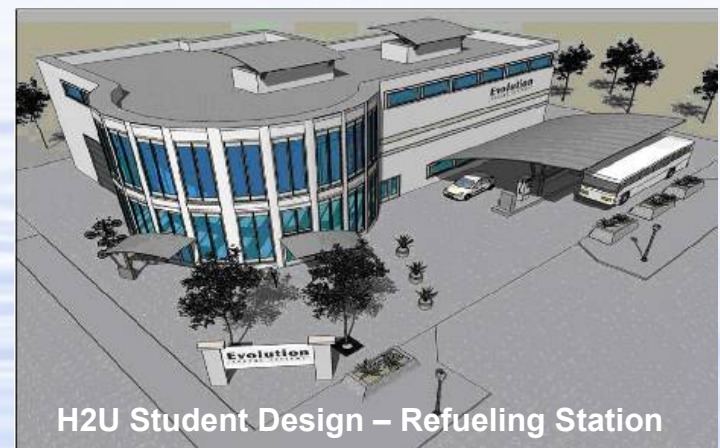
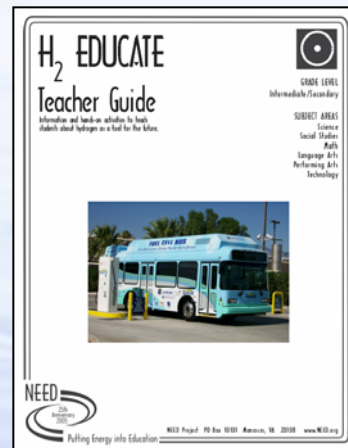
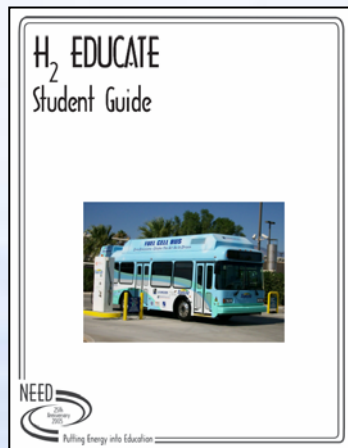
Schools/Universities

2006 Accomplishments

- Restarted MS-HS projects

Ongoing Projects and Future Plans

- Updating college/university program database, textbook database
- Participate as partner in NHA's H2U Student Design Contest
- Support MS-HS hands-on activity development and teacher training
- Planned FY2008 Solicitation: Universities





Solicitations

New solicitation planned for FY2008

- State and local government outreach
- Early market deployments and coordinated outreach
- Universities





For More Information

Education Team

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**Follow the link to
education
resources**

The screenshot shows the 'Hydrogen Program' website. The top navigation bar includes 'Home', 'About', 'DOE Participants', 'International', 'Library', and 'News/Events'. A search bar is located on the right. The main content area features a sidebar with a list of topics: Hydrogen Production, Hydrogen Delivery, Hydrogen Storage, Hydrogen Manufacturing, Conversion/Fuel Cells, Applications/Technology Validation, Safety, Codes & Standards, Education, Basic Research, Systems Analysis, and Systems Integration. A red arrow points from the 'Education' link in this sidebar to a box containing contact information. The main content area includes a 'H₂IQ' section, an announcement for the 2007 Annual Merit Review and Hotel Accommodations, and several news items: 'DOE Announces Funding Opportunities for Hydrogen and Fuel Cell Analysis' (dated February 7, 2007), 'Online Course Focuses on Hydrogen Safety for First Responders' (dated January 24, 2007), and 'DOE Announces New Funding Opportunity for Hydrogen Production and Delivery Research' (dated January 18, 2007). The right sidebar contains a 'DOE Hydrogen Program' logo, a 'Features' section with a 'President's Hydrogen Fuel Initiative' link, an 'ADVANCED ENERGY INITIATIVE' banner, a 'Hydrogen.gov' link, and a 'FreedomCAR Fuel Partnership' logo.

www.hydrogen.energy.gov