

California Hydrogen Business Council May 2004 Report

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1. California Hydrogen Business Council (CHBC) May 21 Meeting

May 21 from 9:00 to 5:00, you can be part of this CHBC quarterly meeting. This exciting meeting takes place at Boeing in Long Beach. Learn how hydrogen is used in flight. Get an update on the last California order for 30-35 hydrogen vehicles. A panel discussion about the Hydrogen Highway will include Dr. Alan Lloyd, Dr. Shannon Baxter, and Jon Slingerup. Also, meet the leaders in accelerating the use of hydrogen in transportation and stationary power. Advance payment is \$50 for Members and \$150 for Non-Members. After May 14th the cost goes up to \$75 for Members and \$225 for Non-members. Contact Melissa Stock at 562-493-4014 or melissastock@socal.rr.com to ensure your reservation. Payment may be made by check, Visa, M/C or AMEX.

<http://www.californiahydrogen.org/index.cfm>

2. U.S. DOE Awards \$91 million California Hydrogen Infrastructure Project

A project team led by Air Products (NYSE:APD) including automakers, an energy company, two California universities, and a public agency will work together to further demonstrate and validate advancements in hydrogen-based transportation infrastructure. This ambitious five-year program will be funded in part by a grant announced today by the DOE. The project team had submitted a request for a \$91 million program.

<http://www.californiahydrogen.org/page.cfm?content=20&display=8>

3. California Hydrogen Highway signed into law by Governor

"The goal of the California Hydrogen Highway Network initiative is to support and catalyze a rapid transition to a clean, hydrogen transportation economy in California, thereby reducing our dependence on foreign oil, and protecting our citizens from health harms related to vehicle emissions. We have an opportunity to deal with these problems by investing in California's ability to innovate our way to a clean hydrogen future, thus bringing jobs, investment, and continued economic prosperity to California. We have an opportunity to prove to the world that a thriving environment and economy can co-exist." Governor Arnold Schwarzenegger. Hank Wedaa, President CHBC was invited to join the stage at the Governor's signing. Up to 200 hydrogen fueling stations on major highways are proposed by 2010.

<http://www.hydrogenhighway.ca.gov/>

4. AC Transit selects ChevronTexaco as partner for on-site reformation

AC Transit, Oakland, Calif. and ChevronTexaco announced an innovative cooperative agreement to build a state-of-the-art hydrogen energy station in Oakland, Calif., that will produce hydrogen fuel for fuel cell fleets. The hydrogen will fuel AC Transit's fleet of 40-foot Van Hool/UTC/ISE fuel cell buses and future fleets of light duty vehicles (cars, SUVs, and small trucks) in support of Governor Arnold Schwarzenegger's vision of a hydrogen highway network in California. The station will have the additional capability of utilizing excess hydrogen production to generate high quality electrical power from a stationary fuel cell.

<http://www.actransit.org/news/articledetail.wu?articleid=de28087e>

5. USA: City of San Francisco trials Honda fuel cell vehicles

Honda has delivered two FCX hydrogen-powered fuel cell vehicles to the city of San Francisco, bringing to 12 the number of its fuel cell cars on the road in the United States and Japan. San Francisco intends to create a hydrogen-refueling infrastructure to support regular daily use of the vehicles by city officials. The FCX is fuel cell vehicle certified by the US EPA and California Air Resources Board (CARB) for everyday commercial use. The FCX has a range of up to 170 miles and seating for four people, making it practical for a wide range of real-world applications. In 2003, the city of Los Angeles celebrated its one-year anniversary as the first Honda fuel cell customer with five fuel cell vehicles in every day fleet use.

http://www.just-auto.com/news_detail.asp?art=44157

6. Stuart Energy Receives Order for from NFCRC

Stuart Energy Systems Corporation (TSX: HHO) announced today that it received an order for a small scale Stuart Energy Station for vehicle fueling (SES-f), which will be placed at the National Fuel Cell Research Centre (NFCRC) located at the University of California, Irvine. The SES-f will provide clean

hydrogen fuel to the Toyota Fuel Cell Hybrid Vehicles (FCHV) managed by the NFCRC. Toyota Motor Sales USA purchased the SES-f for installation at the NFCRC, and has commissioned the NFCRC to evaluate the performance characteristics of the small SES-f in cooperation with Stuart Energy. Consistent with this effort, Stuart Energy is using the small SES as a platform for its HomeFueller® product, which is being developed to enable hydrogen vehicle owners to fuel their cars in the comfort and convenience of their own homes.

http://www.stuartenergy.com/media_center/press_releases/press_apr_28_2004.html

7. DOE launches \$2.6 Million Program with Quantum for Next Generation Hydrogen Storage Technology

Quantum Fuel Systems Technologies Worldwide, Inc., (NASDAQ: QTWW) announced today that it has finalized the contractual terms with the U.S. Department of Energy and has commenced Phase I of its \$2.6 million program for the development and advancement of next generation hydrogen storage technologies.

http://www.qtww.com/news_events/index.shtml

8. CHBC Silver Members

California Hydrogen Business Council gives a big thanks to these Silver Members who are major contributors to our growth and success.

<http://www.californiahydrogen.org/page.cfm?content=33>

9. CHBC Board of Directors

<http://www.californiahydrogen.org/page.cfm?content=10>

To contact the board, please click info@californiahydrogen.org

10. Be a member of the California Hydrogen Business Council

Be part of the organization that is on the “leading edge” of making the hydrogen economy a reality. The California Hydrogen Business Council (CHBC) provides the link between hydrogen-technology developers, businesses, energy leaders, government, and infrastructure providers. CHBC is a non-profit organization. You are invited to join the California Hydrogen Business Council (CHBC). Be involved with the leaders in making the hydrogen economy a reality. CHBC is a non-profit organization, which offers a common meeting ground for discussing the technologies, methodologies, and opportunities in the hydrogen economy. Individual membership is \$200 per year. Organizations can send five people per meeting at lower rates, plus benefit from added marketing visibility, being Silver Members for \$1,000 per year. To join, call 562-493-4014 with your credit card.

John Addison

California Hydrogen Business Council

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www.CaliforniaHydrogen.org