

**California Hydrogen Business Council  
June 2004 Report**

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**1. 24 Hydrogen Fueling Stations and 80 Fuel Cell Vehicles for Los Angeles**

Air Products and Chemicals has been picked by DOE to lead a team that will design and build hydrogen-based vehicles and the fueling stations to go with them in California. The automakers on the Air Products led team are Toyota Motor Sales USA, American Honda Motor Co. Inc., Nissan North America Inc. and BMW Also on the team are energy company ConocoPhillips, the National Fuel Cell Research Center at the University of California-Irvine, the University of California-Davis, and the California South Coast Air Quality Management District. <http://www.fuelcelltoday.com/FuelCellToday/IndustryInformation/IndustryInformationExternal/NewsDisplayArticle/0,1602,4539,00.html>

**2. Fuel Cell Course June 22-23 - CHBC Members Qualify for Special Rate**

CHBC Members and associates may register now for the 2004 Fuel Cell Technology Institute Program at the special rate of \$400. Late registration is regularly \$895. The course, held June 22-23, 2004, at the Irvine Hyatt/ Irvine, California, features sessions on Fuel Cell Fundamentals, Fuel Cell Applications and Marketing Integrations. Check <http://www.nfrcr.uci.edu/FCTI2004/> for full details. When registering, state "CHBC Rate" to qualify.

**3. California Hydrogen Highway Meetings and Presentations**

Teams are now actively planning the Hydrogen Highway. The public is invited to join the Hydrogen Highway Topic Teams (Teams) that will provide information and recommendations to the Hydrogen Highway Implementation Advisory Panel. Each Team will develop a plan to address a specific aspect of the CA H2 Net implementation. The plans will then be presented to the Advisory Panel for discussion, modification and approval. A contractor in cooperation with Cal/EPA staff will provide support for the Teams. Presentations and details are at: <http://www.hydrogenhighway.ca.gov/implement/implement.htm#meetings>

#### **4. ICC International Fire Code (IFC) Adopts New Hydrogen Standards**

ICC International Fire Code (IFC) were two new options for storing hydrogen at fueling stations - one as a liquid in an insulated container below ground and a second as a pressurized gas in tanks located on top of the station's overhead canopy.

<http://www.fuelcelltoday.com/FuelCellToday/IndustryInformation/IndustryInformationExternal/NewsDisplayArticle/0,1602,4549,00.html>

#### **5. Hydrogenics Delivers Fuel Cell to Quantum**

Hydrogenics Corporation has sold and delivered a HyPM 10 power module to Quantum Fuel System Technologies Worldwide, Inc., in support of Quantum's contract with the U.S. Army TARDEC-NAC (National Automotive Center) to develop and demonstrate a high performance, hydrogen fuel cell powered light-duty, alternative mobility vehicle for military applications.

[http://www.hydrogenics.com/ir\\_newsdetail.asp?RELEASEID=135987](http://www.hydrogenics.com/ir_newsdetail.asp?RELEASEID=135987)

#### **6. SCAQMD Hydrogen Conference**

"Hydrogen - Fueling the Clean Air Future" will be held August 16-17, 2004, at the J.W. Marriott Desert Springs Resort, in Palm Desert, California. For more information, please visit <http://www.aqmd.gov/tao/new-events/hydrogen-conference.htm>.

#### **7. Proton Energy Systems in the First House to Run on Hydrogen**

Malaysia's Eco-House, an ambitious Solar-Hydrogen powered home sited at the University Kebangsaan Malaysia utilizes a photovoltaic (PV) electricity production and storage system in conjunction with Proton's HOGEN RE hydrogen generator and a fuel cell to capture, store, and regenerate the electricity necessary to power household appliances. Sunlight gathered by 42 PV panels located on the roof of the house is converted into electricity, which in turn feeds the HOGEN RE hydrogen generator inside the house. The HOGEN RE generator uses that electrical energy to electrolyze water, producing oxygen and hydrogen. When needed, the stored hydrogen is used to feed a fuel cell that powers the household appliances.

<http://www.fuelcellworks.com/Suppage741.html>

#### **8. Stuart Energy Revenues Grew 174% for Fiscal Year ended March 31, 2004**

In fiscal 2004, we effectively executed our growth strategy, delivered 174% revenue growth, transitioned to positive margins, reduced cash utilization by 49% and added \$21.7 million to our balance sheet through a successful equity offering,” commented Jon Slangerup, President and CEO of Stuart Energy.

[http://www.stuartenergy.com/media\\_center/press\\_releases/press\\_june\\_10\\_2004.html](http://www.stuartenergy.com/media_center/press_releases/press_june_10_2004.html)

## **9. 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>

## **10. CHBC Board of Directors**

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

To contact the board, please click [info@californiahydrogen.org](mailto:info@californiahydrogen.org)  
<<mailto:info@californiahydrogen.org>>

## **11. 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.

CHBC Report Publisher

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[www.CaliforniaHydrogen.org](http://www.CaliforniaHydrogen.org)