
To: Reporters, editors and investors following business, energy, automotive and technology news.

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TRANSPORTATION

DOE Announces Freedom CAR Program to Replace PNGV
DOE Secretary Spencer Abraham announced January 9 a new partnership program, the Freedom Cooperative Automotive Research (CAR) partnership -- with Ford, General Motors and DaimlerChrysler -- to fund research into hydrogen fuel cell vehicles. The DOE press release notes the program "will focus on the research needed to develop technologies such as fuel cells and hydrogen from domestic renewable sources." DOE did not yet specify any details such as funding levels or timelines. The Freedom CAR program will replace the Partnership for a New Generation of Vehicles, which was started in 1993.

http://www.energy.gov/HQPress/releases02/janpr/pr02001_v.htm

GM Unveils Fuel Cell-Powered AUTOnomy Vehicle
General Motors unveiled its AUTOnomy concept vehicle, which would feature a hydrogen-fed fuel cell, at the 2002 Detroit Auto Show. The concept vehicle has a unique "skateboard chassis", which includes the propulsion and other critical systems.

http://www.gm.com/cgi-bin/pr_display.pl?2695

STATIONARY POWER

Department of Defense in Joint Effort to Open Hydrogen Fuel Cell Facility on Oahu
The U.S. Department of Defense (DOD), UTC Fuel Cells, Hawaiian Electric Company, and the Hawaii Natural Energy Institute (HNEI) have formed a joint project to open a hydrogen fuel cell research facility on Oahu. HNEI will evaluate the performance and reliability of fuel cells using test stands designed and manufactured by UTC Fuel Cells. The initial funding for the effort comes from a $1.5 million DOD appropriation for research collaboration between HNEI and the Naval Research Laboratory under the Hawaii Energy and Environmental Technology Initiative.

http://www.soest.hawaii.edu/HNEI/news.html

EBARA BALLARD Unveils 2nd Generation Prototype of Residential Fuel Cell
EBARA BALLARD unveiled the second generation of its engineering prototype 1-kW PEM fuel cell stationary power generator for the Japanese residential market. The volume of the new prototype has been reduced by 40 percent from the first-generation.

http://www.ballard.com/viewpressrelease.asp?sPrID=257
PORTABLE POWER

FUELS/REFORMERS/STORAGE

FUEL CELL COMPONENTS

NREL Awarded Subcontract for Fuel Cell Project

REPORTS/MARKET STUDIES

MISCELLANEOUS

REQUESTS FOR PROPOSALS

Solicitation Issued for Research on Fuel Cells by Minority Colleges and Institutions
The National Energy Technology Laboratory has issued a solicitation for Support of Advanced Fossil Resource Utilization Research by Historically Black Colleges and Universities and Other Minority Institutions. Technical topics include "Fuel Cells" and "Advanced Coal Utilization", which includes research on advanced fuel cell concepts utilizing coal as a fuel. Funding awards will be up to $200,000 per project, depending on the length of the project period. Approximately $900,000 total is available for the grant awards resulting from this solicitation. Deadline for proposals is March 12, 2002. http://www.netl.doe.gov/business/solicit/2002/41430//41430.pdf

Fuel Cells are a "Must Have" Component of Objective Force Warrior Program Solicitation
The U.S. Army Natick Soldier Center at the Soldier Biological and Chemical Command "has a requirement for concept development, design, fabrication and delivery of prototypes for an Objective Force Warrior (OFW) multi-functional combat system of systems". Fuel cells are considered one of the "Must Have" components of the OFW program, specifically advanced hybrid fuel cells providing 72+ hours of power. A draft solicitation was released January 4, 2002. A revised proposal is expected to be released on or about January 28, 2002. The expected deadline for proposals is March 14, 2002. As of the writing of this newsletter, the solicitation was still listed in "Upcoming Acquisitions." https://www3.natick.army.mil/ssbusops.htm

Fuel Cell, Hydrogen Topics Included in State Energy Program Special Projects Solicitation
Several fuel cell-related categories are included in the FY2002 State Energy Program Special Projects solicitation. Special Projects options for the Mid-Atlantic Region include "Uninterrupted Power Source" (testing and evaluation of fuel cells of approximately 1-5 kilowatts to provide power as an
uninterruptible source and/or peak shaving plant); "Power Park" (demonstrate the use of hydrogen as an energy carrier for remote areas); "Compressors, Storage and Dispensers" (test the ability of a hydrogen generation system to fill buses and/or light and heavy duty vehicle storage tanks); and "Distributed Energy Resources Technologies (including fuel cell projects to support long term testing and/or engineering/system design and support). Approximately $18.5 million is available to states to implement projects under this solicitation. Deadline for proposals is March 15, 2002.
http://www.eren.doe.gov/buildings/state_energy/corner_cafe/special_projects.html

_CERL BAA Seeks Proposals for Demonstration of Residential PEM Fuel Cells_
The Construction Engineering Research Laboratory of the Engineer Research and Development Center will issue a Broad Agency Announcement (BAA) for demonstration of domestically-produced residential PEM fuel cells in military facilities. For funding in FY2002, proposals must be submitted not later than March 29, 2002. Please check the final solicitation to confirm proposal submission deadline. As of the writing of this newsletter, the BAA was not yet listed on the contracting web site. The solicitation release is expected by February 12, 2002.

**CONFERENCES/CALL FOR PAPERS**

_Fuel Cell Dynamics._

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*Fuel cells generate electricity without combustion by harnessing the energy created when hydrogen and oxygen are chemically combined. Fuel Cells 2000 is an independent, nonprofit activity dedicated to the commercialization of fuel cell technologies.*