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

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TRANSPORTATION APPLICATIONS

PG&E Receives Three F-Cell Vehicles.
Pacific Gas and Electric Company (PG&E) has received three hydrogen-powered DaimlerChrysler F-Cell fuel cell vehicles. The vehicles will supply DaimlerChrysler and PG&E with operational experience and technical data that will help improve the next generation of fuel cell vehicles. The data collected will also contribute to the U.S. Department of Energy’s Hydrogen Learning Demonstration Project and support the federal Freedom Car Program.


STATIONARY APPLICATIONS

NYPA and NYC Transit to Power Facility with Fuel Cell.
The New York Power Authority (NYPA) and MTA New York City Transit (NYC Transit) have agreed on a $2 million project to power an expanded subway and bus maintenance facility with a 200-kW fuel cell. The fuel cell’s residual heat, approximately 700,000 Btu per hour, will be used for the shop’s domestic hot water system. In case of a power disruption, the fuel cell will automatically supply electricity to the building’s non-emergency lights.


PORTABLE BACKUP POWER

Hydrogenics Delivers Fuel Cell Backup Generator to Bell Canada.
Hydrogenics Corporation has successfully delivered and commissioned a hydrogen fuel cell backup power generator at a Bell Canada telecommunication site in Burlington, Ontario. The backup power generator, developed in collaboration with Emerson Network Power, uses Hydrogenics' 8 kW HyPM® XR fuel cell power module. This project, announced in 2005 as part of Toronto's Hydrogen Village initiative, was made possible through an investment from the Government of Canada's 'Hydrogen Early Adopters' program (h2EA).

http://www.hydrogenics.com/ir_newsdetail.asp?RELEASEID=187832

Protonex Develops APU for Military.
Protonex Technology Corporation has developed a quiet, durable, energy-dense fuel cell auxiliary power unit (APU) for use by the U.S. military as a refuelable power source. The system will provide 150 to 250 watts of power for electronic and communications equipment for U.S. forces, which may require several days of quiet power for a single mission. The APU combines Protonex's fuel cell system with Hydrogen on Demand® sodium borohydride fueling technology developed by Millennium Cell Inc. The system will be capable of replacing eight auxiliary batteries that currently supply silent power during missions.

http://www.protonex.com/Quiet%20APU.pdf

Millennium Cell and Gecko Energy to Collaborate on Fuel Cell Development.
Millennium Cell Inc. and Gecko Energy Technologies, Inc. have entered into a 3-year joint development program to collaborate on the development and commercialization of portable fuel cell systems for use in military, medical, industrial and consumer electronics applications. These products will pair Millennium
Cell's patented Hydrogen on Demand® technology with Gecko's thin planar Proton Exchange Membrane (PEM) fuel cells to create a hydrogen battery that is lighter, smaller and less expensive than traditional batteries for a variety of applications.


FUELS/REFORMERS/STORAGE

Air Products Opens Riverside Fueling Station.
Air Products opened its newest hydrogen fueling station in Riverside, California as part of a five-city hydrogen fueling alternative energy demonstration program being implemented by the South Coast Air Quality Management District (AQMD). The station will fuel electric hybrid Toyota Prius® vehicles converted to use hydrogen by Quantum Technologies.

http://www.airproducts.com/PressRoom/CompanyNews/Archived/2006/01Feb06.htm

EMG and BP to Build $1 Billion Hydrogen-Fueled Power Plant in California.
Edison Mission Group (EMG) and BP are planning a new $1-billion hydrogen-fueled power plant in California that would generate clean electricity with minimal carbon dioxide (CO₂) emissions. The first-of-its-kind plant would be located alongside BP’s Carson refinery, about 20 miles south of Los Angeles, and would be capable of producing 500 megawatts (MW) of low-carbon generation, enough power to serve 325,000 Southern California homes.

http://www.edison.com/pressroom/pr.asp?bu=&year=0&id=6125

Voller Signs MOU with Calor Gas, ZBT.
Voller Energy Group PLC has signed a Memorandum of Understanding (MOU) with Calor Gas Limited. This MOU is for an initial period of 2 years and then will continue indefinitely unless terminated by either of the parties. Voller Energy and Calor Gas will work together to develop the market for fuel cell generators and battery chargers. Voller also signed a joint development agreement with one of Germany’s leading science research institutes, Zentrum für Brennstoffzellen Technik GmbH (ZBT), to extract the hydrogen that fuel cells use from propane or Liquid Petroleum Gas (LPG).


Nanomix Issued Two U.S. Patents.
Nanomix Inc. was issued two additional U.S. patents related to hydrogen storage technology, following three earlier patents in this field. The new technology avoids the current limitations of liquid hydrogen storage by using nano-materials.


FUEL CELL COMPONENTS

Hoku Awarded New Contract By Nissan.
Hoku Scientific, Inc. has been awarded a new contract by Nissan Motor Co., Ltd. to continue developing advanced hydrocarbon-based membranes and MEAs for Nissan's fuel cell cars and trucks. The companies have worked together since March 2004.


REPORTS/MARKET STUDIES

REQUESTS FOR PROPOSALS

IPHE Accepting Nominations for Research Projects.
The International Partnership for the Hydrogen Economy (IPHE) is accepting nominations for hydrogen and fuel cell pre-competitive research projects to be considered for official recognition by the IPHE in 2006. The IPHE seeks to recognize leading and innovative pre-competitive international hydrogen and
fuel cell research projects. Private, government and NGO sponsors of international hydrogen and fuel cell research are invited to apply for official recognition of their projects by the IPHE.

http://www.iphe.net/ilccommittee.htm

**USDA Seeking Applications for Renewable Energy Systems and Energy Efficiency.**
USDA invites applications for FY 2006 funding under the Renewable Energy Systems and Energy Efficiency Improvements Program to support renewable energy systems purchases and energy efficiency improvements. The program is designed to help agricultural producers and rural small businesses in eligible rural areas reduce energy costs and consumption. Approximately $11.4 million is available to support competitive grants. Approximately $176.5 million in guaranteed loan authority also is available. For renewable energy systems, grants may range from $2,500 to $500,000. For energy efficiency improvements, grants may range from $1,500 to $250,000. Guaranteed loans will not exceed $10 million.

http://a257.g.akamaitech.net/7/257/2422/01jan20061800/edocket.access.gpo.gov/2006/E6-1923.htm

**CARB ICAT Program Soliciting Applicants.**
The California Air Resources Board’s Innovative Clean air Technologies (ICAT) grant program is soliciting applications for grants for qualified projects involving innovative air-pollution-control technologies and air-monitoring technologies.

www.arb.ca.gov/research/icat/solicit.htm

**MISCELLANEOUS**

**DOE Requests $1.2 Billion for Efficiency and Renewable Energy**
The FY2007 Budget requests $23.6 billion for the U.S. Department of Energy (DOE), including $1.2 billion for the Office of Energy Efficiency and Renewable Energy (EERE). Much of this funding is an integral part of the Advanced Energy Initiative and expands key programs that focus on developing new energy choices, including hydrogen fuel technology ($114 million) and fuel cell technology ($82 million).

http://www.energy.gov/news/3150.htm

**Vaillant and Webasto to Collaborate on Fuel Cells.**
Vaillant Group and Webasto AG have signed a cooperation agreement providing for further development of fuel cells for motor vehicle and stationary applications.


**Ameren Awards 24 Schools With Fuel Cell Kits.**
AmerenUE recently awarded self-contained solar hydrogen fuel cell energy systems to 24 schools in Missouri under Ameren Corporation’s “Power Up” program that brings technology and support to classrooms and teachers. High school science teachers can use the kits and accompanying curriculum to build awareness of renewable energy sources through hands-on experiments.


**Franklin Fuel Cells Receives Two New Patents.**
Franklin Fuel Cells has been awarded two new U.S. patents for its Copper-Ceria Anode and DOSOFC (Direct Oxidation Solid Oxide Fuel Cell) technology.

http://www.franklinfuelcells.com/News_pressrelease.htm

**Ener1 Relocates to New Facility.**
Ener1 Inc.’s EnerFuel subsidiary has relocated its headquarters to a larger and more equipped fuel cell facility. The 7,600 square-foot facility, formerly occupied by a leading fuel cell company, includes a laboratory for developing experimental materials and fuel cell testing stations.


**CONFERENCES**
For a complete list of conferences, please go to http://www.fuelcells.org/news/conf.html
8th Small Fuel Cells.
The 8th Annual Small Fuel Cells conference will be held April 2-4, 2006, at the L'Enfant Plaza Hotel in Washington, DC. For details, go to http://www.knowledgefoundation.com/.


Ohio Fuel Cell Symposium.
The 2006 Ohio Fuel Cell Symposium will be held May 23-24, 2006, at the Kent State Stark Professional Education and Conference Center in Canton, Ohio. For more information, please go to http://www.fuelcellsohio.org/images/Symposium_flier_1-26-06.pdf.

Fuel Cell 2006 will be held June 6-7, 2006, at the Sheraton Imperial Hotel and Convention Center in Raleigh-Durham, North Carolina. For details, go to http://www.fuelcell-magazine.com/fc_conf_index.htm.

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.