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**FUEL CELL CONNECTION -- March 2002 Issue**  
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News on U.S. Government Fuel Cell Programs
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*1. DOE Office of Energy Efficiency and Renewable Energy Reorganizes*

The Department of Energy has announced it will reorganize its Office of Energy Efficiency and Renewable Energy (EERE) to streamline operations. As a result of the reorganization, EERE's new Office of Hydrogen and Infrastructure will include Transportation Fuel Cell Program (formerly under Office of Transportation Technologies), Hydrogen Program (formerly under Office of Power Technologies), Fuel Cell Program (formerly under Distributed Energy Resources), and any other hydrogen system-specific R&D related work. The Office of FreedomCAR & Vehicle Technologies will focus on non-fuel cell related technologies. All management positions are open. Office directors are expected to be identified by March 27. The proposed effective date of the reorganization is May 1, 2002.

<http://www.eren.doe.gov/ee.html>

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*2. NASA/JPL Fuel Cell Technology to Be Commercialized by New Company*

A new company has been formed to commercialize the direct methanol fuel cell technology developed at the NASA/Caltech Jet Propulsion Laboratory and the University of Southern California. Direct Methanol Fuel Cell Corporation will acquire rights to 22 issued and more than 40 pending patents.

<http://www.energyinfosource.com/dg/news.cfm?id=15025>

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*3. New NASA Aeronautics Blueprint Highlights Fuel Cells*

NASA has posted its new Blueprint for Aeronautics, addressing the technology solutions to key challenges such as Emissions Reduction and Enhanced Capabilities. In the Blueprint, fuel cells are highlighted as a key technology solution for fuel-efficient, low-emission propulsion systems.

[http://www.aerospace.nasa.gov/aero\\_blueprint/index.html](http://www.aerospace.nasa.gov/aero_blueprint/index.html)

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*4. Fuel Cells on the Agenda for DOE/UN Conference & Workshop on Hybrid Power Systems*

Technical assessments of fuel cell/turbine hybrid power systems will be on the agenda of the 2<sup>nd</sup> DOE/UN International Conference and Workshop on Hybrid Power Systems. The Conference & Workshop is scheduled for April 16-17, 2002, at the Adam's Mark Charlotte Hotel in Charlotte, North Carolina.

<http://www.netl.doe.gov/events/02conferences/hybrid/hybrid02.html>

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*5. PNL Offering License Rights to Microchannel Fuel Reformer*

Pacific Northwest National Laboratory is soliciting interest from companies interested in obtaining license rights to commercialize, manufacture, and market PNNL's microchannel fuel reformer for fuel cells. Deadline for letters of interest is April 27, 2002. For more information on submitting a letter of interest, contact Connie Mitzel-Faulk via telephone at (509) 375-6401.

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RFP/Solicitation News
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*6. Funding Available for Landfill Gas Utilization Projects*

The Environmental Protection Agency's Landfill Methane Outreach Program (LMOP) is accepting proposals for landfill gas utilization projects that demonstrate reduction of emissions of greenhouse gases. LMOP anticipates making one or more awards, ranging in value from approximately \$15,000 to \$75,000. Deadline for pre-proposals is April 19, 2002.

<http://www.epa.gov/lmop/pdf/grantsolicit02.pdf>

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*7. NSF Solicits Proposals for Fuel Cells and Advanced Vehicle Technologies*

Fuel cells and other advanced vehicle technologies are topics covered by the National Science Foundation's 2002 SBIR/STTR Solicitation. Phase I proposals are being accepted for the Advanced Materials & Manufacturing Systems Topic. Deadline for proposals is June 12, 2002.

<http://www.eng.nsf.gov/sbirspeccs/AM/am.htm>

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*8. Clean Coal Power Plant Initiative Seeks CHP System Proposals*

The Clean Coal Power Initiative solicitation seeks proposals for the demonstration of advanced power systems relying on coal for at least 75% of the fuel energy input to the process. Combined Heat and Power Systems is one of the solicitation's program areas of interest. Approximately \$180 million is available for the solicitation. Deadline for applications is August 1, 2002.

[http://www.fossil.energy.gov/coal\\_power/cct/ccpi/ccpi\\_sol.pdf](http://www.fossil.energy.gov/coal_power/cct/ccpi/ccpi_sol.pdf)

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*9. Missile Defense Agency BAA Includes Energy Conversion, Propulsion Topics*

A Broad Agency Announcement issued by the Missile Defense Agency, in support of the mission of the Deputy for Advanced Concepts, includes Energy Conversion and Propulsion topics. Interested companies should contact Karla Jackson via telephone at 703-695-9112 or via email at [karla.jackson@bmdo.osd.mil](mailto:karla.jackson@bmdo.osd.mil), for more information on the BAA. The BAA will remain open until September 30, 2003.

<http://www.eps.gov/spg/ODA/MDA/WASHDC1/Reference-Number-HQ0006-02-AC-BAA/Synopsis.html>

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*10. Science Center Collaborative Needs Fuel Cell/Hydrogen Exhibits*

The Utah Science Center at Liberty Square is interested in putting together a collaborative group to develop fuel cell/hydrogen-related exhibits and activities in a modern interactive science center and in its traveling science center. Interested parties should contact Joe Andrade via phone at 801-484-4904, or via email at [joe.andrade@m.cc.utah.edu](mailto:joe.andrade@m.cc.utah.edu).

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Contract / Funding Awards
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*11. FEMP 2002 Technical Assistance Awards Given to Fuel Cell Projects*

The Federal Energy Management Program has selected 44 projects – including a Fuel Cell Feasibility Study at Naval Base Point Loma in San Diego and a Fuel Cell installation at the National Institute of Health in Maryland – to be awarded 2002 Technical Assistance funding. A total of \$800,000 in funding was awarded.

<http://www.eren.doe.gov/femp/techassist/callforprojects.html>

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*12. Connecticut Clean Energy Fund Lists RFP Finalists*

The Connecticut Clean Energy Fund announced the finalists in an RFP program designed to stimulate the development and commercialization of fuel cell technology. Eight projects were selected from a total of 31 proposals. Projects include fuel cell installations at a hospital, a data center, Dinosaur State Park, and the Pepperidge Farm Bakery in Bloomfield, Connecticut.

<http://www.ctcleanenergy.com/news/news.htm>

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*13. Transportation Appropriations Bill Funds Fuel Cell Commuter Ferry*

An earmark in the federal Transportation Appropriations bill awarded \$100,000 to the San Francisco Water Transit Authority for the design of the first fuel cell-powered commuter ferry in the world. The vessel will link Treasure Island with San Francisco and the East Bay.  
<http://www.watertransit.org/pubs/FuelCellPressRelease.pdf>

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*14. DOE Awards Funding to State Fuel Cell Projects*

DOE selected 14 projects under its "Energy Efficiency Initiative on Cooperative Programs with States for Research, Development and Demonstration" solicitation, including projects developing and demonstrating fuel cells in Texas and Wisconsin.  
[http://www.energy.gov/HQPress/releases02/febpr/pr02031\\_v.htm](http://www.energy.gov/HQPress/releases02/febpr/pr02031_v.htm)

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*15. California Power Authority Announces Eligible Fuel Cell Bidders on RFB*

The California Power Authority has announced 14 eligible bidders responding to a Stationary Fuel Cell Request for Bids. The Authority hopes to entertain orders for up to 20 MW of fuel cell capacity by the Fall of 2002.  
<http://www.capowerauthority.ca.gov/Requestforbids/fuelcellrfbresults.asp>

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*16. Bay Area Funds Fuel Cell Bus Purchases*

The Bay Area Air Quality Management District has awarded \$9.6 million in grants from the Air District's Transportation Fund for Clean Air Regional Fund for 24 projects to reduce emissions from motor vehicles, including purchases of fuel cell and natural gas transit buses.  
<http://www.baaqmd.gov/pie/press/tfca0102.pdf>

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Industry Headlines
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*17. Toshiba Develops Fuel Cell for PDA*

Toshiba Corporation announced it has developed and manufactured a direct methanol fuel cell for its PDA Genio. The prototype cell output is 5 watts on average, and allows continuous operation for 40 hours between refuelings.  
[http://www.powerpulse.net/cgi-bin/displaystory\\_new.pl?id=5427](http://www.powerpulse.net/cgi-bin/displaystory_new.pl?id=5427)

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*18. Casio Develops Fuel Cells for Small Electronics*

Casio Computer has developed small-scale fuel cells for use in portable devices such as laptop computers and digital cameras. Using a micro-reactor fuel reformer, the fuel cell allows a Casio handheld computer to run continuously for more than 20 hours.  
<http://www.casio.com/corporate/pressroom.cfm?act=2&pr=5533>

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*19. Verizon to Install Seven Fuel Cell Systems at Call-Switching Center*

Verizon plans to purchase seven fuel cell systems manufactured by UTC Fuel Cells, for installation at a call-switching center in Long Island, New York. The fuel cells will operate alongside four new natural gas powered generators, for a total capacity of four megawatts of power.  
<http://www.utcfuelcells.com/news/archive/032002.shtml>

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*20. Ford Unveils New Fuel Cell-Powered Focus Sedan*

Ford Motor Company has unveiled a new hybrid Focus sedan that combines a Ballard Mark 902 fuel cell stack with a 300-volt Sanyo battery pack. The vehicle uses stored hydrogen for a driving range of 160-200 miles.

[http://media.ford.com/article\\_display.cfm?article\\_id=11460](http://media.ford.com/article_display.cfm?article_id=11460)

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Administration
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Press releases and story ideas may be forwarded to Bernadette Geyer, editor, for consideration at [bernie@usfcc.com](mailto:bernie@usfcc.com).

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*U.S. Fuel Cell Council* -- The U.S. Fuel Cell Council is the business association for anyone seeking to foster the commercialization of fuel cells in the United States. Our membership includes producers of all types of fuel cells, as well as major suppliers and customers. The Council is member driven, with six active Working Groups focusing on: Codes & Standards; Transportation; Power Generation; Portable Power; Stack Materials and Components; and Education & Outreach. The Council provides its members with an opportunity to develop policies and directions for the fuel cell industry, and also gives every member the chance to benefit from one-on-one interaction with colleagues and opinion leaders important to the industry. Members also have access to exclusive data, studies, reports and analyses prepared by the Council, and access to the "Members Only" section of its web site.

[\(http://www.usfcc.com/\)](http://www.usfcc.com/)

*National Fuel Cell Research Center* -- The mission of the NFCRC is to promote and support the genesis of a fuel cell industry by providing technological leadership within a vigorous program of research, development and demonstration. By serving as a locus for academic talent of the highest caliber and a non-profit site for the objective evaluation and improvement of industrial products, NFCRC's goal is to become a focal point for advancing fuel cell technology. By supporting industrial research and development, creating partnerships with State and Federal agencies, including the U.S. Department of Energy (DOE) and California Energy Commission (CEC), and overcoming key technical obstacles to fuel cell utilization, the NFCRC can become an invaluable technological incubator for the fuel cell industry.

[\(http://www.nfcrc.uci.edu/\)](http://www.nfcrc.uci.edu/)

*National Energy Technology Laboratory* -- The National Energy Technology Laboratory is federally owned and operated. Its mission is "*We Solve National Energy and Environmental Problems.*" NETL performs, procures, and partners in technical research, development, and demonstration to advance technology into the commercial marketplace, thereby benefiting the environment, contributing to U.S. employment, and advancing the position of U.S. industries in the global market.

<http://www.netl.doe.gov>