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## FUEL CELL CONNECTION – December 2009 Issue

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#### Administration

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#### RFP / Solicitation News

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##### *1. DHS SBIR-2010.1 Solicitation Includes Energy Storage Topic*

The U.S. Department of Homeland Security (DHS) Science & Technology Directorate has issued its Small Business Innovation Research (SBIR) Fiscal Year 2010 Publication 1 solicitation, which includes as a topic "Rechargeable, High Efficient, High Capacity Energy Storage." The topic objective is to develop rechargeable, high efficient, high capacity energy storage devices suitable for use in hand-held or small appliance applications. Proposals are being accepted for Phase I awards of up to \$100,000 in cost and up to a six-month performance period. The deadline for proposals is January 4, 2010.

[https://www.fbo.gov/index?s=opportunity&mode=form&tab=core&id=2e9bac82bd448fbd6259a8a6bfe7b7e5&\\_cview=0](https://www.fbo.gov/index?s=opportunity&mode=form&tab=core&id=2e9bac82bd448fbd6259a8a6bfe7b7e5&_cview=0)

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##### *2. DOE Extends Fuel Storage Subsystems RFI Deadline*

The U.S. Department of Energy (DOE) has extended the deadline for responses to its Request for Information (RFI) regarding requirements for fuel storage subsystems for early market fuel cell applications, including stationary back-up power, portable power, and mobile applications such as forklifts. DOE seeks responses from all stakeholders, including prospective users and component and system suppliers. The new deadline for responses is January 15, 2010.

[http://www.hydrogen.energy.gov/news\\_20091215.html](http://www.hydrogen.energy.gov/news_20091215.html)

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*3. Hydrogen Student Design Contest Now Accepting Team Applications*

The 2010 Hydrogen Student Design Contest is now accepting applications by teams of university-level students interested in competing in this year's challenge, with the theme "Designing a Hydrogen Community." Key areas to be addressed by teams are Hydrogen Production, Early Markets, and Fueling Stations. The Grand Prize is the opportunity for the team to present its design in a Keynote Presentation slot at the National Hydrogen Association Annual Hydrogen Conference and Expo, and a stipend of up to \$5,000 to cover airfare, meals, hotel accommodations, conference registrations, and other expenses for up to eight team members and their faculty representative. The deadline for team registrations is January 22, 2010.

<http://www.hydrogencontest.org/index.asp>

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*4. DOE Seeks Feedback on Hydrogen Storage Characterization Best Practices Update*

DOE seeks feedback on a new section of its updated document titled *Recommended Best Practices for the Characterization of Storage Properties of Hydrogen Storage Materials*. The new section of the update covers the subject of measuring capacity. Comments are due by January 31, 2010.

[http://www.hydrogen.energy.gov/news\\_20091210-2.html](http://www.hydrogen.energy.gov/news_20091210-2.html)

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*5. PIER EISG Releases Electricity Program Solicitation*

The California Energy Commission's Public Interest Energy Research Energy Innovations Small Grant (PIER EISG) program has issued its Electricity Program solicitation, seeking proposals targeting one of the PIER R&D areas, including Environmentally Preferred Advanced Generation and Renewable Generation. A maximum of \$95,000 per project is available for hardware projects requiring physical testing, and \$50,000 for modeling projects. Approximately \$2.6 million total is available for awards under this solicitation. Through January 8, 2010, vendors may submit a pre-proposal abstract. Full proposals are due February 9, 2010.

[http://www.energy.ca.gov/contracts/smallgrant/09-03\\_electricity/index.html](http://www.energy.ca.gov/contracts/smallgrant/09-03_electricity/index.html)

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*6. PIER EISG Releases Natural Gas Program Solicitation*

The California Energy Commission's Public Interest Energy Research Energy Innovations Small Grant (PIER EISG) program has issued its Natural Gas Program solicitation, seeking proposals targeting one of the PIER R&D natural gas subject areas, including Advanced Generation Concepts. A maximum of \$95,000 per project is available for hardware projects requiring physical testing, and \$50,000 for modeling projects. Through January 8, 2010, vendors may submit a pre-proposal abstract. Full proposals are due February 9, 2010.

[http://www.energy.ca.gov/contracts/smallgrant/09-02G\\_natural\\_gas/index.html](http://www.energy.ca.gov/contracts/smallgrant/09-02G_natural_gas/index.html)

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*7. NSWC Issues Pre-solicitation for On-Board Hydrogen Storage & Power Systems*

The Naval Surface Warfare Center (NSWC) has issued a pre-solicitation for proposals to replace the batteries in the battery powered fleet of Class II forklifts (30 total) operated at Defense Distribution Center Warner Robins, Georgia (DDWG) with fuel cell powered units. The program objective is to identify, design and complete a 12-month operational demonstration to validate fuel cell power units and to increase the Technology Readiness Levels (TRLs) and Manufacturing Readiness Levels (MRLs) associated with fuel cell power system designs for Department of Defense forklift applications. A secondary objective of the program is to expand and improve hydrogen infrastructure technologies used at DDWG. The solicitation is expected to be available on or about January 15, 2010. Potential vendors are advised to monitor the Crane web site for information about this solicitation. The response date for this solicitation is currently posted as February 16, 2010.

<https://www.fbo.gov/index?s=opportunity&mode=form&id=d3cde3f5bb42b48d6ee2639ed5ce729d&tab=core&cvview=1>

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Press releases and story ideas may be forwarded to Bernadette Geyer, editor, for consideration at fuelcellconnection @ yahoo.com.

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