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Secretary of Energy Steven Chu to Resign.
U.S. Department of Energy (DOE) Secretary Steven Chu announced that he intends to resign once a successor is confirmed but will stay on until after February’s ARPA-E Summit.

TRANSPORTATION APPLICATIONS

Daimler, Ford and Nissan Partner on FCEVs.
Daimler AG, Ford Motor Co, and Nissan Motor Co. are partnering on fuel cell electric vehicles (FCEVs), jointly developing a fuel cell system and planning to build a combined 100,000 FCEVs between them, which they aim to start selling in 2017. This announcement is big on several fronts, especially with Nissan so heavily invested in the battery-electric vehicle market and Ford entering back into the FCEV spotlight after several years of laying low.

Toyota and BMW Elaborate on Plans to Collaborate.
Toyota and BMW provided more details on their long-term collaboration to work jointly to develop a fuel cell vehicle system by 2020. The complete system will include the fuel cell stacks and system as well as a hydrogen tank, motor and battery,
http://www2.toyota.co.jp/en/news/13/01/0124.html

NREL Receives Four Toyota FCEVs.
The National Renewable Energy Laboratory (NREL) received four Toyota FCHV-adv vehicles through a two-year Cooperative Research and Development Agreement. These vehicles will help NREL enhance its research related to hydrogen fueling infrastructure, renewable hydrogen production, and vehicle performance and will be fueled with renewable hydrogen made from wind and solar energy from NREL’s Wind-to-Hydrogen Project.

Cleveland Fuel Cell Bus in Service.
The fuel cell bus at the Greater Cleveland Regional Transit Authority (RTA) is now in service. The 40-foot bus has a capacity of 57 passengers and will be in service between six and eight hours daily on various RTA routes. Air Products provided the hydrogen fueling equipment to fuel the bus.
http://www.riderta.com/newsroom/releases/?listingid=1818

Fuel Cell Sweeper Debuts at ProMat.
The Nilfisk-Advance Group showed off the first fuel cell-powered industrial combination sweeper-scrubber at the recent ProMat 2013 conference in Chicago, Illinois. The Advance CS7000™ Combination Sweeper-Scrubber uses a Plug Power GenDrive® fuel cell.


Nuvera Introduces Orion.
Also at the ProMat conference, Nuvera Fuel Cells introduced its new Orion® fuel cell stack for materials handling and other industrial vehicle applications.


SFC Units Now Part of Knaus Tabbert RVs and Leonardo Yachts Portfolios.
The Knaus Tabbert Group is now offering SFC Energy’s EFOY fuel cell in its Eurostar caravans as a factory-fitted option. Dutch boatbuilder Leonardo Yachts has also decided to offer the EFOY fuel cell for independent on-board power supply on its “Eagle 36” and “Eagle 44” luxury daysailers.


WATT and Parker Enter into Supply Agreement.
WATT Fuel Cell Corporation has entered into a strategic licensing and supply agreement with Parker Hannifin Corporation to provide propane-fueled, solid oxide fuel cell products for the RV, marine, over-the-road trucking and residential markets.


STATIONARY APPLICATIONS

UTC Fuel Cells to Power Korean Skyscraper.
Samsung Everland has purchased two UTC Power PureCell® Model 400 fuel cell systems to be installed at the Lotte World Tower, Korea’s first super-tall skyscraper. The fuel cells will be installed in the basement of the tower and will provide 800 kW of power to the Lotte World Mall in the building.


FCES Enters Multi-Year Service Agreement with Swedish Utility.
FuelCell Energy Solutions, GmbH (FCES) has entered into a multi-year service agreement for a stationary fuel cell power plant owned by Elektrizitaetswerke Zurich (ewz), an electric utility company in Switzerland. FCES will operate and maintain the power plant in close collaboration with ewz and will supervise the plant from a European-based operations center that is staffed 24 hours a day, seven days a week.


CFCL to Deliver 400 Systems for UK Social Housing.
Ceramic Fuel Cells Limited (CFCL) has signed a distribution agreement with Energy Services Company (ESCo) iPower Energy Limited (iPower). CFCL has granted the company a limited exclusivity on the basis of minimum deliveries of 200 BlueGen units during 2013 and an additional 200 BlueGen units during 2014 for the social housing sector in the UK.


Panasonic Trims Cost, Adds Life to Ene-Farm Unit.
Panasonic and Tokyo Gas have launched the latest version of their Ene-Farm residential fuel cell unit that will be sold by Tokyo Gas starting in April 2013. The fuel cell has a 60,000 hour lifetime and costs 760,000 (US$8100) less than current Ene-Farm models on the market today - ¥1,995,000 (US$21,500).


PORTABLE/BACKUP POWER
Cummins Invests in ReliOn.
Cummins Inc. has made a strategic investment in fuel cell manufacturer ReliOn. Cummins has multiple business units that design, manufacture, distribute and service engines and related engine related technologies, including fuel systems, controls, air handling, filtration, emission solutions and electrical power generation systems.
http://www.relion-inc.com/news.asp#49

Cascadiant to Supply Fuel Cells for Indonesian Island.
Cascadiant Pte Ltd. has been awarded a co-contract to deploy methanol-based fuel cells for backup power on the island of Kalimantan by Indonesian operator XL.
http://www.webwire.com/ViewPressRel.asp?aId=168591

Acta S.p.A has appointed a commercial sales partner, M-Business Resourcing Sdn Bhd (MBR), to address the market for telecommunications backup power systems in Southeast Asia, including Indonesia, Malaysia and Singapore. Acta also received its first purchase order for a rack-mounted 300 L/hr electrolyzer unit to be shipped to Cascadiant for evaluation for telecom backup power applications in Indonesia.
http://www.sentpressrelease.com/email/attachment/download?hash=acb7a1c21b9f1ae8504bdd712e597cc401dd1cfc54f65ae064d17791334ef08

MICRO FUEL CELLS

Lilliputan Systems Launches Nectar Fuel Cell Charger.
Lilliputan Systems, Inc. and Brookstone have introduced Nectar™, a solid oxide fuel cell-based portable electronics charger. Nectar™ won the prestigious Consumer Electronics Show (CES) Innovations Award for Design and Engineering in the Portable Power category and is approved for carry-on and use for regular commercial aircraft by the UN International Civil Aviation Organization and the U.S. Department of Transportation.
http://www.nectarpower.com/media/launch-nectar-mobile-power-system-at-ces/

MILITARY APPLICATIONS

FUELS/REFORMERS/STORAGE

Hy9 to Provide Reformers to Clean Energy, Sankosha.
Hy9 and Clean Energy Investments (CEI) announced a strategic partnership to integrate Hy9’s HGS liquid methanol on-site hydrogen generators into CEI’s fuel cell backup power systems for African markets. Hy9 also entered into an agreement with Sankosha Corporation to do the same for the Asian telecommunications market, including Japan, Taiwan and Korea.

MATERIALS/COMPONENTS/TESTING

AFC Energy Extends Electrode Endurance.
AFC Energy has achieved more than six month of continuous operation from its electrodes at its laboratory in Dunsfold, Surrey, UK.

Ballard Material Products Purchased by AvCarb.
Ballard Material Products, which produces gas diffusion layer (GDL) materials, was purchased by the investor group AvCarb LLC, which includes several former Ballard senior managers. The new company is called AvCarb Material Solutions.
The U.S. Department of Energy (DOE) has published *Fuel Cell Buses in U.S. Transit Fleets: Current Status 2012*, a report that shows the fuel economy of fuel cell electric buses is 1.8 to 2 times higher than conventional diesel buses and compressed natural gas buses. The 12-month status report includes data collected from 18 fuel cell electric buses at three transit agencies; Alameda-Contra Costa Transit District (AC Transit), Connecticut Transit (CTTRANSIT), and SunLine Transit Agency. [http://www1.eere.energy.gov/hydrogenandfuelcells/pdfs/fceb_status_2012.pdf](http://www1.eere.energy.gov/hydrogenandfuelcells/pdfs/fceb_status_2012.pdf)

DOE Annual Progress Report.

Fuel Cells and Hydrogen in Norway.

Fuel Cell Trends.

World Progress in Hydrogen.
The 2011-2012 Annual Report on *World Progress in Hydrogen*, a new report from the Partnership for Advancing the Transition to Hydrogen (PATH), the international coalition of national hydrogen associations, projects the global fuel cell and hydrogen energy market to be worth over $180 billion in 2050. The report also foresees revenues in the fuel cell sector growing at a rate of 26% annually over the next decade. [http://www.hpath.org/WorldReport.asp](http://www.hpath.org/WorldReport.asp)

REQUESTS FOR PROPOSALS

New Jersey Fuel Cell CHP Program Part Deux.
The New Jersey Economic Development Authority (EDA) and the New Jersey Board of Public Utilities (BPU) have launched a second round of the Large Scale Combined Heat and Power/Fuel Cell Program. The program supports CHP and standalone fuel cell projects with a generating capacity of greater than one megawatt with up to $3 million available per project. [http://www.njeda.com/web/Aspx_pg/Templates/Press_Rls.aspx?topid=721&Doc_Id=1921&ParentDocID=163](http://www.njeda.com/web/Aspx_pg/Templates/Press_Rls.aspx?topid=721&Doc_Id=1921&ParentDocID=163)

FCH-JU 2013.
The European Commission has published the first part of its call for proposals for Fuel Cells and Hydrogen Joint Undertaking (FCH JU 2013 part 1), which is coming under the EU's Seventh Framework Programme (FP7). The call, which has a budget of €68.5 million (US$93.5 million), consists of 27 topics coming under five areas of research: transportation and refueling infrastructure; hydrogen production and distribution; stationary power generation and CHP; early markets; and cross-cutting issues such as social acceptance, education, performance test schemes and guarantees of origin. [http://cordis.europa.eu/fetch?CALLER=EN_NEWS&ACTION=D&SESSION=&RCN=35445](http://cordis.europa.eu/fetch?CALLER=EN_NEWS&ACTION=D&SESSION=&RCN=35445)

MISCELLANEOUS
EPS Partners with VP Energy.
Italian company Electro Power Systems SpA (EPS) has entered into an exclusive manufacturing, operations and distribution agreement for the United States, Canada and Mexico with VP Energy LLC of Michigan.

CONFERENCES

For a complete list of conferences, please go to http://www.fuelcells.org/newsroom/conferences/.

Electrocatalyst Webinar.
DOE is hosting a live webinar on February 12, 2013, from 12:00 pm – 1:00 pm (EST) highlighting Argonne National Laboratory’s (ANL’s) development of advanced electrocatalysts for PEM fuel cells. https://www1.gotomeeting.com/register/299847800

9th International Hydrogen and Fuel Cell Expo.
The 9th International Hydrogen and Fuel Cell Expo will be held February 27-March 1, 2013, in Tokyo, Japan. If you are going to be there, please stop by the U.S. Pavilion to say hello! http://www.fcexpo.jp/en/

HANNOVER MESSE 2013.
The HANNOVER MESSE 2013, Group Exhibit Hydrogen + Fuel Cells will be held April 8-12, 2013, in Hanover, Germany. For more information, please go to http://www.h2fc-fair.com.

WHTC2013.

Fuel Cell Seminar.

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