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**PROTON ENERGY SYSTEMS IS GRANTED
PATENT FOR BREAKTHROUGH HYDROGEN
TECHNOLOGY**

*StableFlow Technology Key to Maximizing Efficiency in Large Power
Generators*

Wallingford, CT – (July 9, 2009) – Wallingford hydrogen-technology producer Proton Energy Systems (www.protonenergy.com) said today it earned a patent for its proprietary control system for regulating the purity and pressure of the hydrogen gas used to cool large electric power generators. Proton's StableFlow system is a breakthrough product for electric power generators that actively controls purity and dew point, monitors pressure and, enables more efficient power production while also enhancing capacity and generator life.

"We are pleased that the U.S Patent office has recognized the critical importance of the StableFlow hydrogen control system, which provides utilities the opportunity to improve the operating efficiency of their plants, creating major savings in fuel consumption and reduced CO2 emissions," said Rob Friedland, President and Chief Executive Officer of Proton Energy Systems. "Our mission at Proton Energy is to apply our advanced hydrogen technology in creative and practical ways to deliver the most reliability, durability and savings for our customers. With this patent, we are committed to sharing this value with additional partners throughout the world."

With this latest achievement, Proton Energy continues to lead the market in hydrogen innovation. Proton Energy is the world's leading supplier of onsite hydrogen generators utilizing proton exchange membrane (PEM) technology, and combining Proton's HOGEN generators with the StableFlow system provides a utility with full control over its hydrogen generating system – maximizing efficiency, cost and safety. Proton's StableFlow system can save most plants an average of one megawatt per hour in windage losses per generator. A megawatt of power production is equivalent to \$50-\$100 an hour in electricity revenue to the average power plant and is equivalent to one ton of CO2 reduction per hour in stack emissions. StableFlow provides efficiency improvements to a plant's power generators that effects both fuel consumption and CO2 emissions providing the plant with a very attractive return on investment.

The issuance of this recent patent adds to Proton's growing strength in the power industry and demonstrates its commitment to remaining a key industry supplier of innovative solutions.

Proton Energy's commitment to innovation has also been recognized with several recent Department of Defense projects, developing Regenerative Fuel Cell Systems for backup power and creating advanced fueling systems capable of sustaining a military fleet of hydrogen-powered vehicles.

For more information on Proton Energy Systems, visit www.ProtonEnergy.com.

About Proton Energy Systems

Proton Energy Systems designs and manufactures proton exchange membrane (PEM) electrochemical systems to make hydrogen from water in a zero pollution process producing safe, pure, reliable onsite hydrogen to meet today's global hydrogen requirements. Proton Energy Systems has been developing and manufacturing world-class electrolysis systems since 1996, with more than 1500 units deployed world-wide, on every continent. With a reputation for building robust, reliable, and safe systems, federal, state, and commercial partners repeatedly seek the creative solutions that Proton Energy Systems has proven it is capable of delivering.

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