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Tecogen Licenses Advanced Electrical Control Technology From the Wisconsin Alumni Research Foundation

Department of Energy and California Energy Commission funded research will be used in the Premium Power Module CM-100, a pioneering combined heat and power product

Waltham, MA – March 7, 2007 – Tecogen Inc., the leading manufacturer of small natural gas–driven cogeneration modules, announced today that it has signed an exclusive agreement with the Wisconsin Alumni Research Foundation, a non profit organization that patents and licenses intellectual property for the University of Wisconsin-Madison, to license a micro-source controller that ensures stable operation of a large number of distributed energy generators. Funding for the research was provided by the U.S. Department of Energy and the California Energy Commission.

"After nearly five years of exhaustive research, we are pleased that this exciting development in the distributed energy industry is ready for commercialization," said Tecogen's president, Robert Panora. "Tecogen will integrate the technology into its upcoming Premium Power Module CM-100 product, a 100kW combined heat and power platform that starts shipping in spring."

The micro-source controller is a significant development in the energy industry because it allows for a number of the module's exciting new features:

- It can connect to the power grid and seamlessly separate during blackout, all the while maintaining continuous power production
- Multiple units can work independently on the micro-grid
- Modules can respond effectively to load changes without requiring data from other sources
- Voltage sag and system imbalances are automatically corrected

These new capabilities help address growing concerns over utility grid blackouts and brownouts, natural disasters, security breaches and an antiquating utility infrastructure. Drops in voltage, even from generators in a small network, can lead to fluctuations in power that shut down equipment or recalibrate machinery. Such situations factor into ever increasing costs associated with business system downtime.

"The key technology to the micro-source control is a voltage source inverter, an electronic device that allows each power generator to regulate voltage and regulate its electric current," said Robert Lasseter, professor emeritus of electrical and computer engineering at the University of Wisconsin-Madison. Lasseter worked closely with Paolo Piagi while at the university to invent the technology.

Tecogen's Premium Power Modules meet the strictest international emission standards and, with the onsite thermal recovery (for heating water), operate at more than twice the efficiency of conventional power plants. Customers experience significant energy cost savings and greenhouse gas emissions are reduced by 50 to 60 percent. CHP technology has already been endorsed by environmental organizations such as the Sierra Club and in the U.S. by federal and state governments.

The renowned research institutions Lawrence Berkeley National Laboratory, Sandia National Laboratory, along with energy company Northern Power Systems, worked with Tecogen and the University of Wisconsin to test the technology in a simulated micro-grid at American Electric Power's Dolan Testing Laboratory near Columbus, Ohio. The project was coordinated by the Consortium for Electric Reliability Technology Solutions (CERTS).

About Tecogen
Tecogen Inc. operates in the distributed generation market and is a leading manufacturer of natural gas fueled commercial and industrial cooling and cogeneration systems. Tecogen has an installed base of more than 1,800 units, which it supports through an established network of engineering, sales, and service support. Tecogen is based in Waltham, Massachusetts with service centers located in nine regions of the United States. For more information, please visit www.tecogen.com.

About Wisconsin Alumni Research Foundation (WARF)
WARF's mission is to support scientific research at the University of Wisconsin-Madison by moving inventions from the university's laboratories to the marketplace for the benefit of the university, the inventors and society as a whole. Nearly all of the income from WARF's transfer of technology and investment management is returned each year to the university to fund further scientific research. For more information, go to www.warf.org.

About CERTS
The Consortium for Electric Reliability Technology Solutions was formed in 1999 to research, develop, and disseminate new methods, tools, and technologies to protect and enhance the reliability of the U.S. electric power system in the transition to a competitive electricity market structure. Its program office is located at the Lawrence Berkeley National Laboratory. For more information, visit http://certs.lbl.gov.

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