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Press Release

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Tecogen InVerde™ 100kW Inverter-Based Combined Heat and Power Module has Obtained UL1741 Certification

Waltham, MA – April 13, 2009 – Tecogen Inc., a leading manufacturer of natural gas fueled commercial and industrial cooling and cogeneration systems, today announced that its InVerde, model INV-100, inverter-based, 100-kilowatt combined heat and power (CHP) module broke new ground as the first engine-driven product in the CHP market to be certified “utility safe” to the latest UL 1741 interconnection standard.

“For years, utility interconnection has been a highly contentious and often expensive aspect of installing CHP product in the United States”, commented Tecogen President Bob Panora. “This certification effectively removes this barrier as it allows Tecogen’s new inverter-based module to join other advanced technologies, such as Solar PV, which qualify for fast-track interconnection in many utility grids.”

Developed by Tecogen, under sponsorship by the California Energy Commission and Sempra Utilities, InVerde is the first commercial engine-based CHP module utilizing an inverter power interface. It features a low-emissions natural gas engine powered by a water-cooled permanent magnetic generator (PMG) at variable speed, which maximizes fuel efficiency under part load conditions. Power electronics convert the variable frequency output from the PMG to high quality 60-Hertz power. In addition to being a continuous distributed power and heat generator, the InVerde offers back-up power capability addressing a key demand from commercial and institutional customers who are increasingly concerned about utility grid blackouts and brownouts, natural disasters, security threats and antiquated utility infrastructure.

Achieving UL 1741 Certification presents an invaluable opportunity for customers who want to generate clean energy but are discouraged by today’s cumbersome interconnection requirements. UL 1741 qualifies the InVerde module to follow a simplified procedure when undergoing the interconnection permit process required for individual utilities to join their power system grid.

About Tecogen

Tecogen is a leading manufacturer of Combined Heat and Power (CHP) products including natural gas engine-driven cogeneration and air conditioning systems for industrial and commercial use. Tecogen systems supply electric power or cooling while heat from the engine is recovered and purposefully used at the facility. The benefits are dramatic reductions in both energy costs and greenhouse gas emissions. Tecogen has an installed base of more than 2000 units supported by an established network of engineering, sales and service personnel across the United States. For more information, please visit www.tecogen.com.

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