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Tecogen Clean Energy System Selected for Multi-Unit Residential Buildings in Harlem, NY

500kW natural gas powered InVerde e+ CHP to significantly cut energy bills and carbon footprint

WALTHAM, Mass., Dec. 13, 2016 /PRNewswire/ -- [Tecogen® Inc.](#) (NASDAQ: TGEN), provider of clean energy products which, through patented technology, nearly eliminate criteria pollutants and significantly reduce a customer's carbon footprint, today announced that a 500kW clean energy system to has been selected to power a large multi-unit residential complex in Harlem, NY. Comprised of five 100kW InVerde e+ models, the cutting-edge cogeneration system will be installed by M.M.I Mechanical Inc. as part of a central plant and provide electricity, space heating and domestic hot water to over 1000 residential units. In addition, the new system will provide emergency standby power in case of blackout, a key feature that helps build resiliency.



The InVerde e+ offers on-site power generation as well as efficient heating and cooling capabilities. Speaking about the benefits of the technology, Tecogen Co-CEO Benjamin Locke noted, "By recovering free waste heat from the electric generator for use in climate control and to provide hot water, the e+ can cut a building's energy bills considerably – the average InVerde e+ saves customers \$50,000 - \$100,000 annually on their utility bills – generating a combined savings for the 500kW system of approximately \$250,000 - \$500,000 per year."

Mr. Locke added, "Along with the financial savings, the InVerde e+ system is expected to eliminate approximately 2,750 tons of carbon dioxide per year when compared to traditional energy sources. That means our equipment will generate annual carbon savings on par with removing 527 cars from the road or planting nearly 65,000 trees."

On top of the environmental benefit from the reduction in carbon footprint, the five InVerde e+ units will be fitted with Tecogen's patented Ultra® low emissions control technology.

Nearly eliminating harmful criteria pollutants that contribute to smog (including carbon monoxide, nitrogen oxides, and hydrocarbons), Ultera will give the 500kW system an emissions profile on par with ultra-clean fuel cells.

First introduced in 2008, the installed InVerde fleet has logged over 2 million hours of run time, demonstrating time-tested savings and reliability. Tecogen has shipped over 185 megawatts of ultra-efficient natural gas fueled equipment including combined heat and power, chillers, and heat pump capacity. The company's reliable machinery has generated over 7 billion kilowatt hours of energy - powering residential, commercial, recreational and industrial facilities worldwide.

About Tecogen

[Tecogen® Inc.](#) designs, manufactures, sells, installs, and maintains high efficiency, ultra-clean, cogeneration products including natural gas engine-driven combined heat and power, air conditioning systems, and high-efficiency water heaters for residential, commercial, recreational and industrial use. The company is known for cost efficient, environmentally friendly and reliable products for energy production that, through patented technology, nearly eliminate criteria pollutants and significantly reduce a customer's carbon footprint.

In business for over 30 years, Tecogen has shipped more than 2,500 units, supported by an established network of engineering, sales, and service personnel across the United States. For more information, please visit www.tecogen.com or contact us for a free [Site Assessment](#).

Tecogen, InVerde, Ilios, Tecochill, Ultera, and e⁺, are registered trademarks or trademark pending registration of Tecogen Inc.

Forward Looking Statements

This press release may contain forward-looking statements under the Private Securities Litigation Reform Act of 1995 that involve a number of risks and uncertainties. Important factors could cause actual results to differ materially from those indicated by such forward-looking statements, as disclosed on the Company's website and in Securities and Exchange Commission filings. The statements in this press release are made as of the date of this press release, even if subsequently made available by the Company on its website or otherwise. The Company does not assume any obligation to update the forward-looking statements provided to reflect events that occur or circumstances that exist after the date on which they were made.

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