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Capstone Turbine (NASDAQ: CPST) Partners With The New York Power Authority And Brenmiller Energy On A Groundbreaking Zero Carbon Thermal Energy Storage Project For A College

A C200 Microturbine will Form the Backbone of the Combined Heat and Power Project

VAN NUYS, CA / ACCESSWIRE / March 27, 2020 /Capstone Turbine Corporation (www.capstoneturbine.com) (NASDAQ:CPST), the world's leading clean technology manufacturer of microturbine energy systems, announced today that it has partnered with the New York Power Authority (NYPA) and Brenmiller Energy on a groundbreaking thermal energy storage project for Purchase College, State University of New York (SUNY). The project received a one million dollar grant from the Israel-United States Binational Industrial Research and Development (BIRD) Foundation to investigate low emission thermal energy storage as a means to increase the efficiency of standard combined heat and power (CHP) systems.

Capstone Microturbine Driving a Brenmiller bGen Energy Zero Carbon Thermal Storage Unit

The installation will serve as a demonstration project for innovative thermal energy storage technology in New York. The collaboration is one of many projects deployed as part of New York State's Energy Storage Roadmap that includes energy storage targets of 1,500 megawatts by 2025-the equivalent electricity demand of one-fifth of all New York homes.

"Our microturbine will directly pipe low emission exhaust gas into a Brenmiller bGen zero carbon thermal storage unit so that it can extract and store the heat until it is needed. The system represents an alternative to battery storage with potentially greater discharge durations," said Darren Jamison, Capstone Turbine President and Chief Executive Officer. "This new groundbreaking thermal energy storage unit is designed to shift large amounts of energy over long periods of time, thereby providing an effective solution over other technologies when grid-scale energy storage of long duration is required," added Jamison.

RSP Systems, Capstone's exclusive distributor in New York and Connecticut (www.rsp-systems.com), secured the order for the C200R microturbine that will be utilized in a CHP application. The innovative cogeneration system will be installed to support the College's physical education building, displacing the aging district heating loop in the central heating plant and providing baseload electricity, which is projected to save the State University of New York about \$100,000 per year while reducing the facility's carbon footprint.

RSP Systems is proud to have been selected as the prime mover for the cogeneration and thermal storage project at SUNY Purchase. Thermal storage improves a CHP system's efficiency and effectiveness while enhancing its sustainable performance and hardens a facility," said Cory Glick, President of RSP Systems. "In addition, this project is an example of our shift to provide CHP-based hybrid solutions for our clients that can also benefit from adding battery storage, solar energy, and new technologies into their green energy and back-up power solution toolbox," concluded Mr. Glick.

About Capstone Turbine Corporation

Capstone Turbine Corporation (www.capstoneturbine.com) (NASDAQ:CPST) is the world's leading producer of highly efficient, low-emission, resilient microturbine energy systems. Capstone microturbines serve multiple vertical markets worldwide, including natural resources, energy efficiency, renewable energy, critical power supply, transportation and microgrids. Capstone offers a comprehensive product lineup, providing scalable systems focusing on 30 kW to 10 MWs that operate on a variety of gaseous or liquid fuels and are the ideal solution for today's distributed power generation needs. To date, Capstone has shipped over 9,000 units to 73 countries and in FY19, saved customers an estimated \$253 million in annual energy costs and 350,000 tons of carbon.

For more information about the company, please visit www.capstoneturbine.com. Follow Capstone Turbine on [Twitter](#), [LinkedIn](#), [Instagram](#), and [YouTube](#).

Forward-Looking Statements

This press release contains "forward-looking statements," as that term is used in the federal securities laws. Forward-looking statements may be identified by words such as "expects," "believes," "objective," "intend," "targeted," "plan" and similar phrases. These forward-looking statements are subject to numerous assumptions, risks and uncertainties described in Capstone's filings with the Securities and Exchange Commission that may cause Capstone's actual results to be materially different from any future results expressed or implied in such statements. Capstone cautions readers not to place undue reliance on these forward-looking statements, which speak only as of the date of this release. Capstone undertakes no obligation, and specifically disclaims any obligation, to release any revisions to any forward-looking statements to reflect events or circumstances after the date of this release or to reflect the occurrence of unanticipated events.

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