NECHPI HONORS COMBINED HEAT AND POWER LEADERS

Annual Meeting Gives Platform to Honor Hartford Steam Company, St. Joseph's Hospital, and Bruce Hedman

For Immediate Release

The Northeast Clean Heat and Power Initiative (NECHPI) awarded its annual "Clean Heat and Power Champion" awards to three outstanding leaders in the Clean Heat and Power (CHP) community. The awards were presented on June 9th, 2016 at NECHPI's Annual Meeting in Brooklyn. The keynote address was delivered by John B. Rhodes, President and CEO with the New York State Energy Research and Development Authority (NYSERDA). State energy leaders, NECHPI's regional membership, and numerous attendees to the meeting joined NECHPI in recognizing Hartford Steam Company, St. Joseph's Hospital, and Bruce Hedman as Champions of the development of Clean Heat and Power in the Northeast.

Hartford Steam Company (HSC), founded in 1962, heats and cools Hartford's most prominent addresses, with over 60 buildings in two energy districts. Servicing approximately 20 million square foot of space, accounting for 85 percent of the downtown area's Class A office space.

HSC employs three CHP units, two of the CHP units are gas turbine based, and the third is fuel cell based. The company continues to look for continuous improvement and deployment of CHP systems, including at customer sites, local PV generation at its central plant and developing CHP projects in and around the northeast states. HSC also participates in

local regulatory and legislative events to provide support for CHP initiatives such as net metering.

"On behalf of the entire Jingoli-DCO Energy Organization, we are honored to accept this award from the Northeast Clean Heat and Power Initiative Champion Award for the Hartford Steam Company," said Frank DiCola, President and CEO of DCO Energy, the parent company of the Hartford Steam Company. "HSC has an amazing history in the City of Hartford and we would like to thank the NECHPI for recognizing HSC and the HSC Team."

In addition to using all of the exhaust heat from the CHP units, HSC uses the central plant CHP system to produce chilled water to charge a large chilled water storage tank during evening hours, resulting in an increased efficiency of the overall system and a reduced environmental impact associated with peak electrical consumption/chilled water production during daytime periods. HSC continuously strives to improve efficiency, economics, reliability and stability for it and its customers.

St. Joseph's Hospital is honored by NECHPI with a CHP Champion award for the installation of a 4.6 MW CHP gas turbine system which provides clean, highly reliable power to the Hospital. St. Joseph's is a 431-bed hospital in the heart of Syracuse, New York that experienced an exponential shift in demand for their services. The need to expand the hospital facility necessitated additional electrical service and posed a difficult problem.

St. Joseph's explored CHP as a feasible alternative to dependence on the utility for their power needs. But in Syracuse's dense downtown district area where open space is at a premium, the Hospital was hesitant to subtract any more greenfield from its campus to build a CHP plant until Cogen Power Technologies came up with a clever solution. The Hospital embraced Cogen Power Technologies' solution to this issue by placing the unit between a 3-story block of patient rooms above and a loading dock below. With its location adjacent to the existing boiler plant, the Cogen Power Technologies' CHP plant easily taps into the existing infrastructure, and minimizes the square footage of the plant.

Over its first year, the plant has produced over 26 Million kWh, and has met nearly 80% of the hospital's electricity and 95% of the hospital's steam consumption. It is estimated that the CHP Plant has reduced annual utility cost by approximately $1 Million, while substantially reducing greenhouse gas emissions.

Bruce Hedman, vice president of Institute for Industrial Productivity (IIP), was the final recipient of the CHP Champion award. Mr. Hedman has over 30 years of experience in industrial energy technology research, development and commercialization, and is a recognized authority on combined heat and power (CHP) and distributed generation technologies, markets and policies.

Mr. Hedman went to IIP from ICF International where he led ICF's consulting services practice in distributed generation and CHP. He provided technology assessments, market evaluations, and strategic planning support to numerous private developers and equipment suppliers. Mr. Hedman is a past chairman of the United States Combined Heat and Power Association, is an inductee in the American Gas Association's Industrial and Commercial Hall of Flame, and represented the United States on the Industrial Utilization Subcommittee of the International Gas Union from 1990 to 1996.

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