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Tecogen and American DG Energy Help the New England Sports Center Score Energy and Cost Savings through Combined Heat and Power Generation Strategy

WALTHAM, Mass., Oct. 25, 2011 /PRNewswire/ -- Tecogen Inc. today announced that the Marlborough-based New England Sports Center has completed installation and startup of its third Tecogen CM-75 cogeneration unit. NESC is upgrading its onsite power generation capabilities from 150 kW, produced by two Tecogen CM-75 units purchased from American DG Energy Inc. (NYSE Amex: ADGE), to 225 kW with the addition of this third Tecogen unit. As Tecogen's regional representative, ADGE also provided the customer with engineering consultation and design services for their energy metering and monitoring system which is required for validation for Energy Efficiency Credits (EEC).

Prior to installing the Tecogen units, NESC used conventional gas boilers for hot water and purchased all its electricity from National Grid, its local utility. With Tecogen's cogeneration equipment providing hot water with free electricity, the facility estimates an annual savings of \$80,000 from operations and \$50,000 from EEC, due to maximizing energy efficiency.

The New England Sports Center houses more ice skating surface than any other facility in New England, in a state of the art facility, making it a center of choice for training and sporting events for local as well as professional and Olympic skaters. This site requires dependable, solid, advanced technology. The Tecogen units are able to be integrated with the fully automated Siemens control system that manages the entire facility. Operation of these units can be monitored from anywhere in the world by simply logging into a monitoring program developed by Tecogen that communicates directly with the units. While the facility did explore other alternative energy solutions such as wind and solar power, it determined that the installation of Tecogen units made the most sense both technically and financially with a much quicker payback – less than two years.

"For us, energy efficiency means significant cost savings," said Al Kenig, Systems Administrator of the New England Sports Center. "The Tecogen units double the amount of energy that we can extract from our fuel. With Tecogen servicing our units, we never have to worry about them. Maintenance is completely out of sight and out of mind. I've never even seen a service guy, but the units keep running at peak performance."

For the New England Sports Center, the modular design of the units was another important feature of the Tecogen system. By having multiple units, the facility can turn the Tecogen

units on and off as load demands increase or decrease, maximizing efficiency.

About Tecogen

Tecogen manufactures highly efficient, ultra-clean Combined Heat and Power products including natural gas engine-driven cogeneration and air conditioning systems for industrial and commercial use. Tecogen has an installed base of more than 2,000 units supported by an established network of engineering, sales and service personnel across the United States. For more information, please visit www.tecogen.com.

Press Contacts:

Melinda Furse, Tecogen Inc.

P: 781-466-6444

E: melinda.furse@tecogen.com

Pat Arcand, Arcand & Madison PR

P: 617-251-7778

E: pat@am-pr.com

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