

Landmark hotel to be the first business in Philadelphia to Install Energy-Efficient Microturbines

January 15, 2010

<http://www.energyvortex.com/pages/headlinedetails.cfm?id=4353>

Four Seasons Hotel Philadelphia and the Philadelphia Gas Works (PGW) gave the gift of green to the City of Philadelphia by turning on three, new energy efficient microturbines. The C65-kW microturbines, which use PGW's clean burning natural gas and are manufactured by the Capstone Turbine Corporation, make Four Seasons Hotel Philadelphia the first large scale customer in Philadelphia to use the ultra-clean technology. It will also drastically reduce the hotel's energy usage and carbon emissions.

"We are excited to have partnered with Philadelphia Gas Works and Capstone Turbine Corporation on this project, and proud to be doing our part to lessen the carbon footprint of the City of Philadelphia," said Harry Gorstayn, General Manager of Four Seasons Hotel Philadelphia. "This project will allow us to continue to move forward in our green initiatives, while enabling us to serve our guests in the most efficient manner."

The energy efficient system, which has ultra-low emissions, will provide 100 percent of the of the building's day-to-day domestic hot water needs, 25 percent of its electric needs and 15 percent of its heating needs. The project is expected to reduce the hotel's annual energy costs by 30 percent.

"PGW's natural gas is the cleanest burning fossil fuel available to us today," said Thomas E. Knudsen, President and CEO of the Philadelphia Gas Works. "And when a customer like Four Seasons Hotel Philadelphia takes advantage of its benefits and installs cutting edge technology like these three microturbines, everybody wins, including the environment."

The system uses the exhaust heat from producing electricity by burning natural gas to provide hot water and a heat source for the hotel's air-conditioning absorption chiller in addition to other uses. The microturbines are designed to be used for commercial and industrial environments and can run for extended periods of time with minimal maintenance. On an annual basis, the microturbine system will reduce the hotel's carbon dioxide footprint in half, or better, while reducing nitrogen oxide emissions.

Four Seasons Hotel Philadelphia is proud to be at the forefront of eco-consciousness. As the global community strives to improve efforts to reduce and reuse the earth's precious resources, the hotel is pleased to have made their own internal strides to lessen its carbon footprint. Since 2007, green efforts have saved the energy equivalent of more

than 3.5 million pounds of carbon monoxide. Four Seasons Hotel Philadelphia's recycling program has reduced its landfill waste by more than 40 percent, and through a composting program, it has converted more than 430,000 pounds of kitchen food waste into rich fertilizer that is used on the grounds of the hotel.

Four Seasons Hotels and Resorts involves employees and guests in the common goal of preserving and protecting the planet. They engage in sustainable practices that conserve natural resources and reduce environmental impact. As importantly, sustainable tourism will enhance and protect the destinations where Four Seasons operates for generations to come.

PGW has filed Pennsylvania's largest natural gas energy conservation plan with the Pennsylvania Public Utility Commission (PUC) earlier this year. The proposal, if approved by the PUC, will launch a portfolio of seven programs to help PGW's residential and business customers become more energy efficient.

The proposed five-year, \$54 million portfolio is expected to generate savings of \$104 million over the life of the program and reduce greenhouse gas emissions, including 1.25 million tons of carbon dioxide. It will also expand support for PGW's low-income customers, reduce the subsidy that other customers pay and save about 1,400 Billion British Thermal Units (BBTU) of natural gas. Combined, these programs will provide the environmental equivalent of taking 200,000 cars off Philadelphia's streets.

As a company, PGW aims to do its part to reduce, reuse and recycle to have a positive impact on our land, air, water and energy resources. For example, PGW demonstrates effective environmental practices including recycling, disposal, and reuse of solid and hazardous waste and has earned air emissions credits by permanently retiring its largest air pollutant emitters. PGW also promotes energy-saving tips to its customers and has installed energy-saving lighting, heating, and cooling saving systems in its office buildings.

Visit host, PGW, and Capstone Turbine at the upcoming Globalcon Conference & Expo, March 24-25, 2010 in Philadelphia, PA!

To learn more, visit the show site, www.globalconevent.com.