U.S. DEPARTMENT OF ENERGY | Energy Efficiency & Renewable Energy

ADVANCED MANUFACTURING OFFICE

Dell Children's Medical Center in Austin, Texas, successfully implemented a CHP system that allows for the hospital to operate at 70% fuel efficiency and to dispatch excess electricity onto the grid after its own needs are met. *Courtesy of Solar Turbines Incorporated*

CHP: Enabling Resilient Energy Infrastructure

Natural disasters such as Hurricane Katrina in 2005, Hurricane Ike in 2008, and Superstorm Sandy in 2012 have highlighted the need to protect critical infrastructure facilities, to better prepare for energy emergencies and long-term electric grid outages, and to consider how to rebuild a more resilient grid. These are frequent topics of conversation by state and local policy makers, building and manufacturing facility owners, and disaster preparedness planners. Combined heat and power (CHP) systems can make for critical infrastructures more resilient while making energy more cost- and fuel-efficient for the user, as well as more reliable and environmentally friendly for society at large.

This webinar will highlight the role for CHP systems in critical infrastructure resiliency, business continuity, and emergency planning and operations.

Information will be presented on how CHP is a key element in critical infrastructure applications, detailed case studies of how CHP powered facilities through Hurricane Sandy, and federal/state policies promoting CHP in critical infrastructure. This webinar will support the concurrent release of a new report containing detailed information on the use of CHP for resilient infrastructure and reliability, as well as additional case studies of facilities that were able to operate through prolonged grid outages with their CHP system.

JOIN US FOR A WEBINAR ON WEDNESDAY, APRIL 3, 2013

Time: 2:00 PM–3:30 PM EDT

SPEAKERS:

Tom Bourgeois, Co-Director of the Northeast Clean Energy Application Center (CEAC)

Bob Chester, Director of Engineering at South Oaks Hospital

Gavin Dillingham, Director of the Gulf Coast CEAC

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