



COMBINED HEAT AND POWER PLANT HOSPITAL

JESSE BROWN VETERANS AFFAIRS MEDICAL CENTER

OWNER

Jesse Brown Veterans Affairs Medical Center

LOCATION

Chicago, Illinois, USA

PRODUCT

Centaur® 40 (3.4 MWe) Gas Turbine

CUSTOMER VALUE

Energy Cost Reduction

The United States Department of Veteran Affairs wanted to reduce utility expenses at their facilities. A combined heat and power plant was built at the Jesse Brown VA Medical Center using an existing warehouse, and a Centaur 40 gas turbine was installed. The gas turbine produces 3.4 MW of electricity and can generate up to 50,000 pounds of steam per hour. The steam provides for all of the medical center's heating needs and, when run through an evaporative chiller, handles most of the warm weather cooling needs.

It is estimated that over its 25 year projected lifespan the new system will save the Jesse Brown VA Medical Center in excess of \$41 million and potentially millions more if electricity costs continue to rise.

Solar Turbines Incorporated

Tel: +1 619 544 5352

Mail: infocorp@solarturbines.com Web: www.solarturbines.com

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