



CHICAGO WEST ENERGY CENTER

JESSE BROWN VETERANS AFFAIRS MEDICAL CENTER

CHICAGO, IL



SAFETY RECORD

ZERO Recordable Events



PROJECT SIZE

200 bed campus

\$15.3M



CONTRACT METHOD

ESPC



SAVINGS INFORMATION

\$??M



The Jesse Brown Veterans Affairs (VA) Medical Center was seeking to improve their energy reliability and reduce costs for their 200-bed campus that serves over 1,800 staff and 62,000 local veterans. The VA wanted a company who could be a trusted partner with the ability to implement high-quality, low-risk energy infrastructure solutions without disrupting the hospital's services or adding any additional costs to the VA or taxpayers. The VA partnered with ESG to improve the energy security and self-sufficiency of the entire medical campus.

SOLUTIONS

The following ECMs were installed:

- 3.4 MW of electric generation
- 1 Heat Recovery Steam Generator
- 2 package steam boilers
- 100,000 pounds capacity per hour of steam production
- 3,000 tons per hour of chilled water
- Dual-Fuel Capability for added energy security
- Upgrades and modifications to HVAC control systems for campus
- Chilled water system replacements to maximize energy and cooling effectiveness
- New steam plant
- Centralized steam supply from energy center for VA

SERVICE QUALITY

// This plant and this partnership is a prime example of what needs to happen elsewhere across the country to benefit our constituents."

- Joan E. Cummings, VISN Director, VISN 12

RESULTS

From this project, the VA now has comprehensive energy supply and distribution solutions, including operations and maintenance, design and engineering, construction, and project management.