



Aultman Hospital

The Optimum Energy solution is providing Aultman Hospital in Ohio with an impressive 77% efficiency improvements and over 9M lbs. in CO₂ savings annually.



Opportunity

- Large hospital in Canton, OH
- 808 licensed beds, 575 active physicians in more than 40 different medical specialties and a staff of more than 5,000 employees
- Was operating at an unsustainable electrical plant efficiency rate of 1.85 kW/ton

Solution

- Installed OptimumLOOP in two plants to deliver significant and ongoing reduction in base load and chilled water flow requirements
- Implemented solution to automatically and continuously adjust operating parameters to dynamically reduce energy draw
- Worked with partner (Entech) to modernize the control system and install new or calibrate existing power meters on equipment

Results

- Striking improvement in efficiency in the H Plant (77%) with a new chiller plant efficiency rating of 0.43 kW/ton
- Overall campus savings: \$340,000 in 2014
- Carbon emissions saved: over 9M lbs of CO₂ annually
- Total energy savings: Over 4M kWh annually

Aultman Hospital in Texas: Plant H: 77% Improvement in Plant Efficiency



ABOUT OPTIMUM ENERGY

Optimum Energy provides a proven solution that delivers significant and sustained efficiency gains of up to 50% in HVAC systems. The OptiCx Platform combines technologically advanced HVAC optimization software with world-class expertise in system design and operations. It's a proven, systematic, and scalable approach that reduces resource usage—water, electricity, and people—while providing detailed insights into how building systems operate in real time. The result is vastly improved operating efficiency, which further increases savings, and importantly reduces overall carbon emissions. For more information please visit optimumenergyco.com.