CUSTOMER SUCCESS STORY

Cleveland State University

The Optimum Energy solution is providing Cleveland State University with 22% plant efficiency improvements and over 450,000 lbs. in CO_2 savings annually.

Opportunity

- Cleveland State University (CSU), a sprawling college campus covering 85 acres, recently committed to a multi-year energy conservation and management program called E3: Energy, Environment and Education.
- CSU sought a sustainability partner to achieve two goals by 2021: reduce total energy use by 20% and realize nearly $63 million in operational savings.

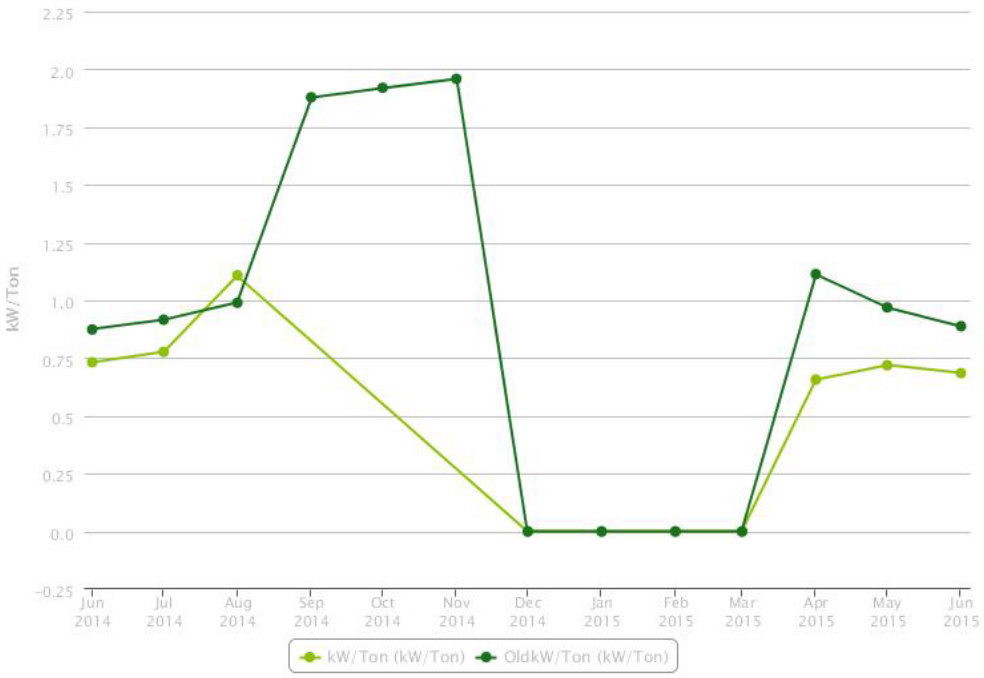
Solution

- CSU and energy services firm Brewer-Garrett Company chose the OptiCx® platform by Optimum Energy to reduce energy consumption throughout its large and complex district cooling system, which was consuming more than 7.4 million kWh of energy annually.

Results

- Average plant-wide efficiency rating: 0.69 kW/ton—a 22% improvement
- Delivering $26,954 in savings annually
- Achieving 228,324 kWh in savings annually
- Carbon emissions saved: over 457,790 lbs of CO_2 annually

Cleveland State University: 22% Improvement in Plant Efficiency



Old kW/ton: 0.89

New kW/ ton: 0.69

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.

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