

FOCUS ON RETROCOMMISSIONING

The Problem

Sun Prairie Area School District found Cardinal Heights Upper Middle School suffering from building inefficiencies that had accumulated over time. The more than 275,000 square foot building was originally constructed as two separate buildings in 1959, and has since been joined together as one building.

In-house facilities team performed regular maintenance on equipment, but with over 1.6 million square feet covering their District, internal staff was still limited to what they could perform. The District was interested in leveraging the technical expertise and financial incentives available from FOCUS ON ENERGY® to provide not only new insights, but free up their staff's time for other tasks.

The Approach

In summer 2017, the District contacted Focus on Energy and their Trade Ally contractor, Edison Energy for help. The District had previous experience working with Focus on Energy, implementing an energy management plan in 2005. Together with Edison Energy, an audit was conducted to identify low and no-cost, short payback opportunities for the District to reduce their energy consumption while maintaining existing building systems. The District also requested Edison Energy identify certain improvement opportunities broken down into three categories including: Energy Conservation Measures, Capital Projects, and Issues.

The Solution

Due to advice and technical assistance from Focus on Energy and Edison Energy, the District is on track to save \$13,250 annually. The majority of these savings came from a triple duty valve adjustment and cabinet unit heater temperature setback. By completing RCx, the District was able to identify and correct inefficiencies and find opportunities to continuously improve the state of their building's equipment.

Benefits of RCx

On average, RCx reduces annual energy costs by 16% and has a payback of less than one year after Focus on Energy incentives. Through RCx, you can manage energy use more effectively and catch small maintenance needs before they become costly repairs. Owners and managers of existing buildings (must be five years or older) who are motivated to implement efficiency projects, optimize existing equipment and controls, and train staff are ideal candidates.

Project Breakdown:

- **Equipment Modifications:**
 - Triple Duty Valve Adjustment
 - Cabinet Unit Heater Temperature Setback
- **Estimated Project Cost:**
\$6,975
- **Annual Energy Cost Savings:**
\$13,291
- **Focus on Energy Incentive:**
\$7,604
- **Payback:**
0.52 Years



Our school district is very active tracking energy usage and seeking projects to reduce our utility consumption and costs. Participating in RCx has shown us the benefits of performing periodic tune-ups to keep our existing equipment running smoothly. ”

Kevin Splain,
Sustainability / Energy Manager
Sun Prairie Area School District

Contact Focus on Energy or find a participating RCx Service Provider to get started.
Find out more about RCx by visiting focusonenergy.com/RCx.

REDUCING ENERGY WASTE ACROSS WISCONSIN

Focus on Energy, Wisconsin utilities' statewide program for energy efficiency and renewable energy, helps eligible residents and businesses save energy and money while protecting the environment. Focus on Energy information, resources, and financial incentives help to implement energy efficiency and renewable energy projects that otherwise would not be completed.

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