



Cenergistic®

School District of Clay County

Board Report
October 3rd, 2019

WWW.CENERGISTIC.COM

Here's What You'll Hear from Us Today

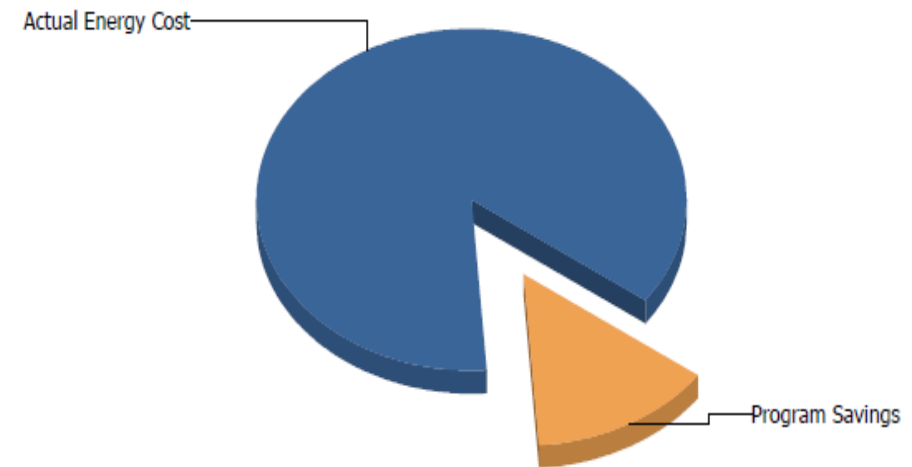
- Cost Savings Overview
- Value of Energy Program
- EnergySTAR certification

Cumulative Cost Avoidance

Cumulative Cost Savings

June 2019

Expected Energy Cost	\$25,561,923
Actual Energy Cost	\$21,999,978
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Program Savings	\$3,561,945
Percent Savings	13.9%
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Other Savings	\$10,439
Total Savings	\$3,572,384



Expected Energy Costs-anticipated expense without energy management program that takes into account variables such as weather, equipment changes, operational changes, and price changes.

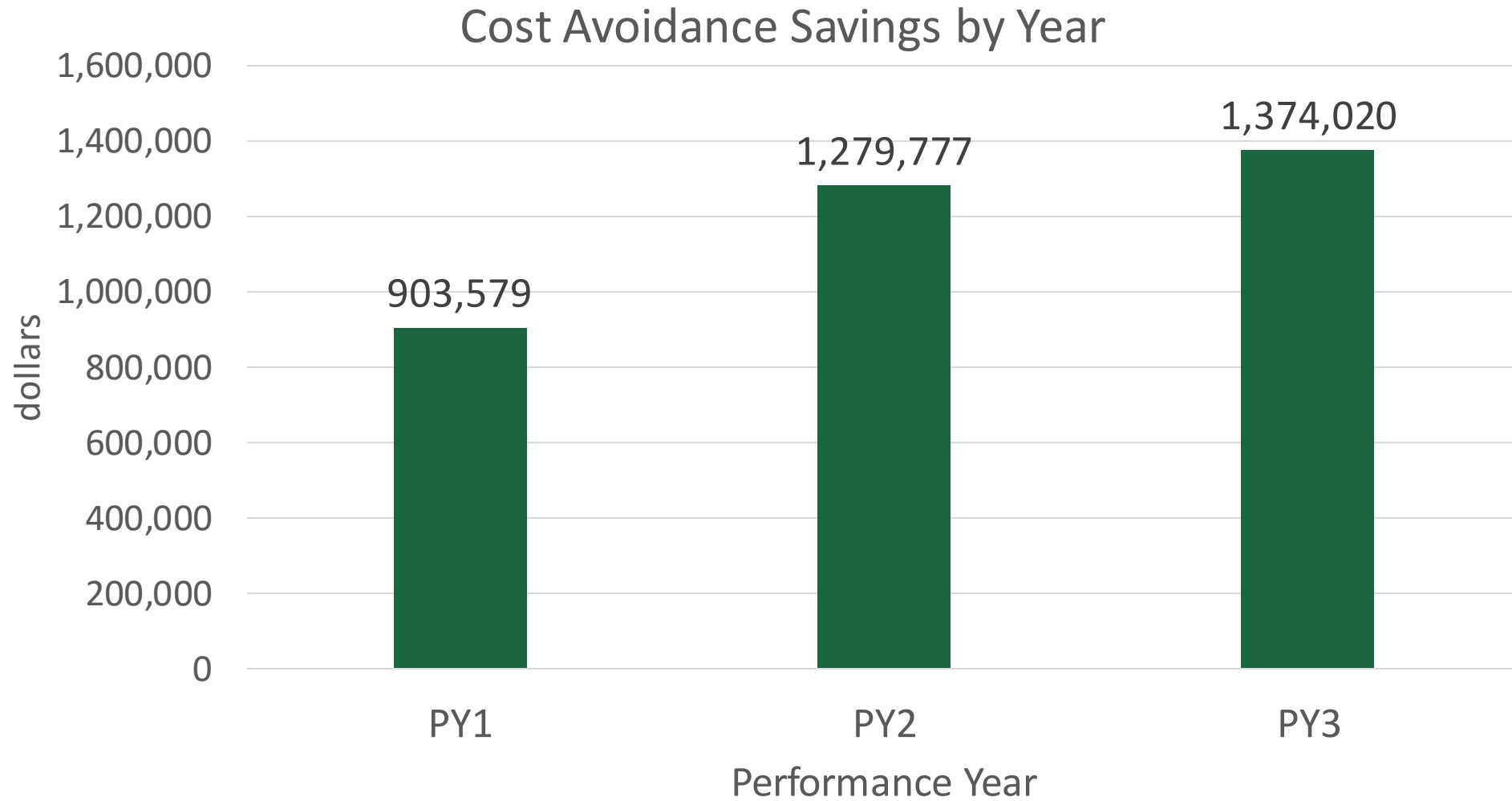
Actual Energy Costs-actual utility costs obtained directly from utility bills.

Program Savings (Cost Avoidance)-difference between expected and actual costs.

Other Savings-savings not directly related to a reduction of usage such as refunds, rebates, etc.

Cost Avoidance Trend by Year

July 2016-June 2019



Cenergistic Energy Specialist Core Duties

- Handling of comfort complaints and HVAC scheduling to maintain comfort, decrease energy usage, and increase cost avoidance.
- Conduct building audits at all hours of the day/night to identify mechanical/control issues and ensure buildings are being optimized at all hours of the day.
- Ensure district approved energy guidelines are being followed at all sites.
- Use technology through GreenX to generate alerts from EnergyCap to identify under-performing meters, find billing errors, and provide a focus to increase savings
- Ensure energy conservation measures are followed during holiday breaks.

Key Accomplishments

- Identified multiple mechanical, plumbing, and control issues that have been fixed.
- Established awareness of energy conservation among teachers/staff.
- Micro-manage special event schedules.
- Installation of 163 wifi stats to replace manual thermostats
- Energy STAR certification of 28 schools
- 6,835 building energy audits



ENERGY STAR Certification

- A third party (Department of Energy) determines what buildings, appliances, equipment, etc. receive energy STAR certifications.
- ENERGY STAR buildings are the most energy efficient buildings when compared to their counterparts.
- Buildings achieving ENERGY STAR Certification are ranked in the top 25% as the most energy efficient buildings nationwide.
- ENERGY STAR Certification is validation of the district's energy program at the national level, and demonstrates their commitment to high standards in energy conservation.
- School District of Clay County has 28 schools that have achieved ENERGY STAR Certification



ENERGY STAR Certified Buildings-Best of the Best

Charles E Bennett Elementary	Montclair Elementary	Green Cove Springs Jr. High
W. E. Cherry Elementary	Oakleaf Village Elementary	Lake Asbury Junior High
Doctors Inlet Elementary	Orange Park Elementary	Lakeside Jr. High
Grove Park Elementary	Paterson Elementary	Orange Park Jr. High
S.B. Jennings Elementary	Ridgeview Elementary	Wilkinson Jr. High
Lake Asbury Elementary	Shadowlawn Elementary	Clay High School
Lakeside Elementary	Swimming Pen Creek Elementary	Keystone Heights High School
McRae Elementary	Tynes Elementary	Middleburg High School
Middleburg Elementary	Wilkinson Elementary	Oakleaf High School
Bannerman Learning Center		