

Clay County Schools Energy Program Update

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Primary Goals

- Maintain and improve comfort
- Eliminate energy waste
- Save energy dollars
- Achieve an “energy conservation culture” that is sustainable for years to come

Efforts to Date

- Three dedicated Energy Specialists hired by Cenergistic
- Energy Specialists have completed 1,100 site audits of facilities county wide
- Daily review of the districts building automation (BAS) schedules
- Comprehensive training and analysis of billing history to identify conservation opportunities
- 318 FTE days on site by Cenergistic engineers and consultants
- Database and billing analysis for 196 utility accounts and 234 meters

Day in the Life of the Energy Specialist

- Continual building presence with on-site audits
- Training one-on-one with Cenergistic staff, engineers and consultants
- Program Building Automation system (BAS) and work with maintenance team
- Match conditioning times to occupied times
- Work cooperatively with maintenance in the field
- Plan strategically for extended breaks
- Communicate to teachers and staff
- Promote an “energy conservation culture”

Energy Conservation Program - Current Status

As of August 2017, Clay County School District is 20 months into the Energy Program and partnership with Cenergistic.

- Key time frames are listed below:
- Baseline Period: January 2015 – December 2015
- Quick Start: January 2016 – June 2016
- Performance Year 1: July 2016 – June 2017
- Performance Year 2: July 2017 – June 2018
- Current Reported Billing Month: April 2017

Energy Program Savings

January 2016 – May 2017
Savings
\$939,694

Quick Start Savings

(January 2016 – June 2016) \$ 153,173

(100% of savings retained by Clay Co.)

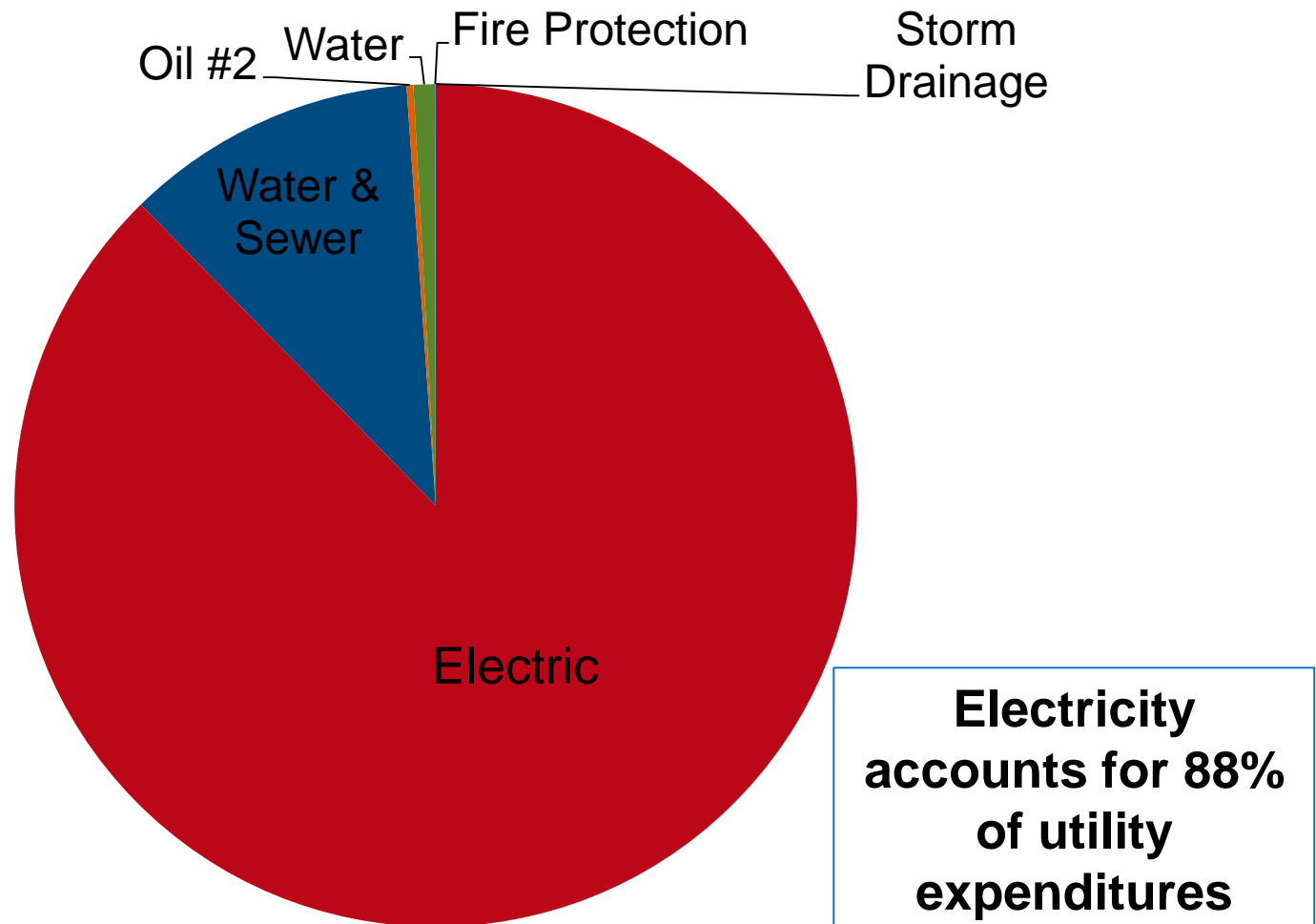
PY1 to Date Savings \$ 786,521

(50% shared savings, Clay Co retained \$393,260.50)

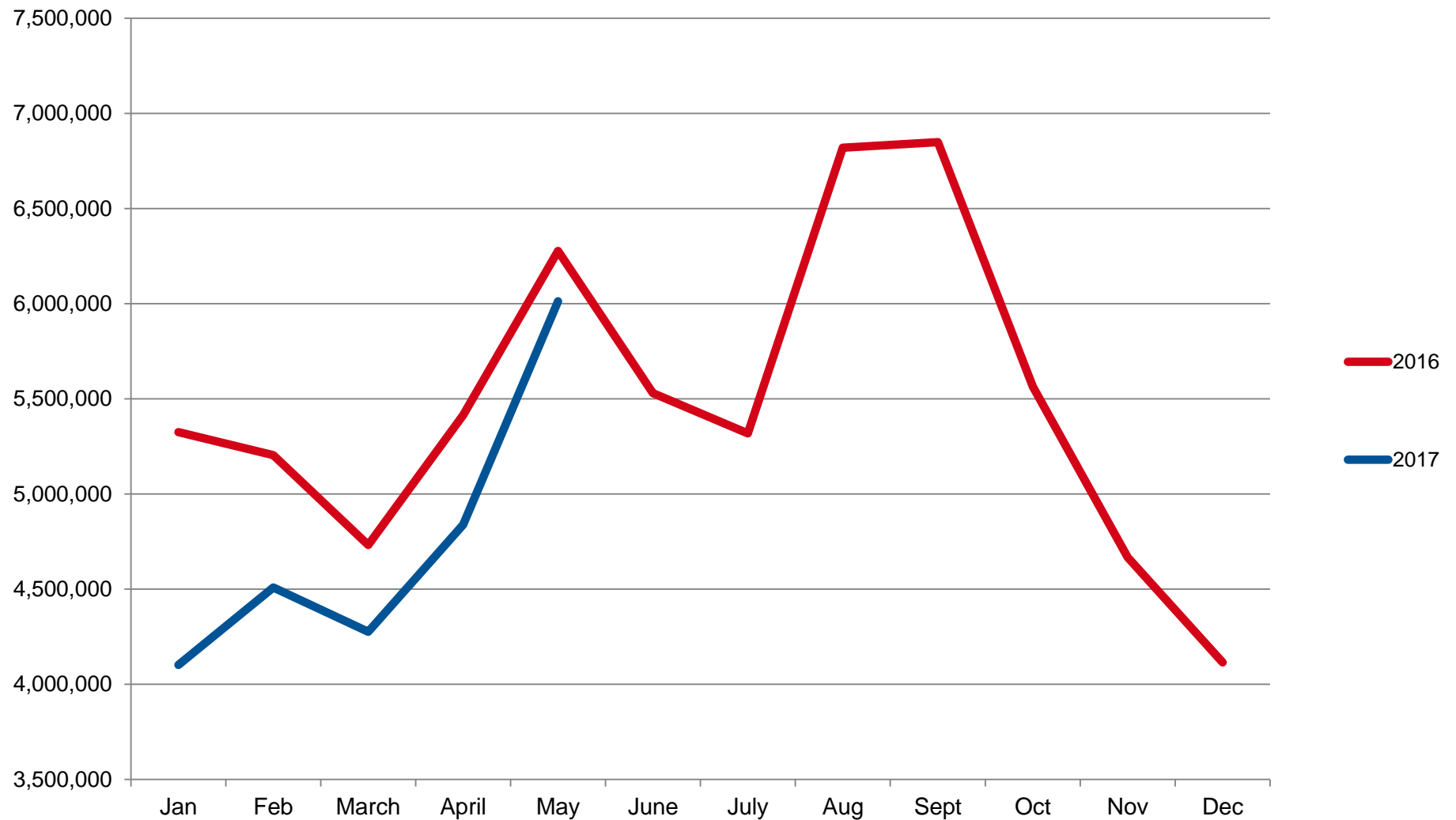
Total Savings to Clay Co to Jan. 2016-May 2017

\$546,433.50

Utility Cost Distribution



Electric Energy Reduction



Environmental Benefits

We have saved

- Over 8 million kWh of Electricity



The environmental impact of which can be measured as one of the following:

- Preventing 4,657 Metric Tons of CO₂
- Removing 970 automobiles for an entire year
- Planting 119,406 tree seedlings for 10 years

Energy Star



- Currently evaluating data and buildings for ENERGY STAR Building Certification
- Demonstrates our good stewardship of our environment
- Validation of our energy program at the national level

Going Forward

- Meet/Exceed 20% savings expectation
- Maintain good stewardship of public funds
- Continue to reduce the environmental impact
- Identify reduction opportunities with electrical, and water consumption
- Plan and prepare for future shutdowns to achieve greater savings
- Continue developing an “energy conservation culture”