

Cenergistic®

School District of Clay County

Joseph Coburn, *VP of Client Management*

January 23, 2024

EXPERIENCE YOU CAN TRUST

Cenergistic®

Cenergistic is the National Leader in Energy Conservation and Optimization.

ENERGY MANAGEMENT

**\$28
Billion**

In energy billings

have been managed by
Team Cenergistic

TRACK RECORD

**\$6.7
Billion**

**In delivered
savings to our
client partners**

By applying sustainability
principles and our
easy-to-manage software

PROVEN PERFORMANCE

24%

**Average savings
on yearly
energy costs**

Without adding any
new equipment

CLIENT PARTNERSHIPS

25,500+

**Buildings
optimized**

K12, Higher Education,
Local Government,
Healthcare and
Faith-based Organizations

We provide resources that can fund better student outcomes.

The Cenergistic Solution



**On-site Energy Specialists
(Active monitoring)**



**Engineers / Technicians
augment your team's expertise**



**Optimize /
utilize existing
equipment**



**Master
unoccupied
square footage**



**Straightforward
savings
calculations**



**Net
savings**



**Energy Program
awareness /
sustainability
campaign**



**Comfort
benchmarking**



**Fault diagnostic
testing of your
BMS / EMS
systems**



**Healthier
Buildings
Assessment
with ongoing
monitoring**



**Three-month
fee-free
startup period**



**100% funded
by savings,
guaranteed!**

How Cenergistic Outperforms In-House Programs



In-House Program

- People working 9-5
- No engineering and technology support
- Reinvents the wheel, learns by trial and error
- No Organizational Behavior expertise
- Inherits added duties over time

People

- **Fully dedicated** Cenergistic Energy Specialists working around the clock
- Over **30 Technical and M&V consultants** for support
- Over **650 years** of combined utility conservation experience

Process

- **37-year history** of energy and water conservation
- Six Sigma-based continuous improvement process
- Mathematical **models of every building** Implementation process that **measures results with continuous feedback loop**

Technology

- **Custom built software for:**
 - Utility conservation with analytics and building auditing (Cenergistic GreenX®)
 - Predictive performance (Simulate®)
 - Intuitive energy accounting software with adjustment transparency (Measure®)

Data Analytics

- Ingest over **250,000 data points** ... from over 3,000 **meters** ... across **1,600 buildings every day**
- Extensive data lake to **conduct analytics** ... determine insights ... and ultimately **take action** to achieve consumption reduction

Meet Your Team



Joseph Coburn
REGIONAL VICE PRESIDENT



Steve Keller
CLIENT MANAGER



James Newkirk
MEASUREMENT & VERIFICATION



Anthony Adams
TECHNICAL LEAD



Leah Patterson
ENERGY SPECIALIST



Mark Jolley
ENERGY SPECIALIST

Your Energy Program: Key Statistics

22%

Total Reduction in Energy Use Since Program Start (2016)

16,643

Building Audits Performed Since Program Start (2016)

28

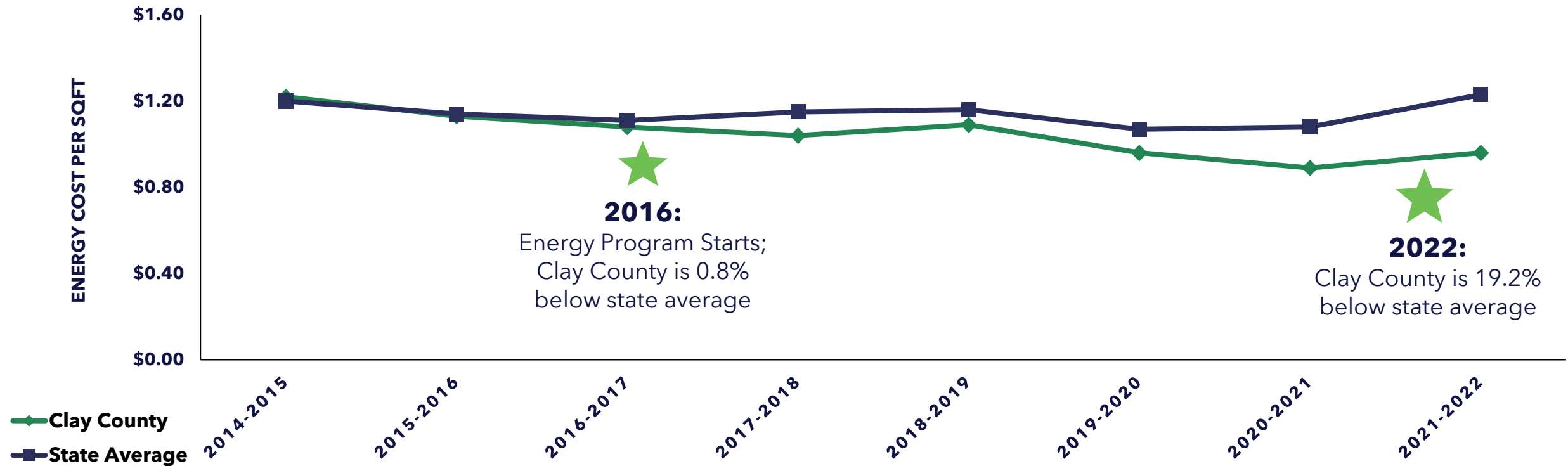
Buildings ENERGY STAR® Certified

\$11,036,310

Total Energy Savings To-Date

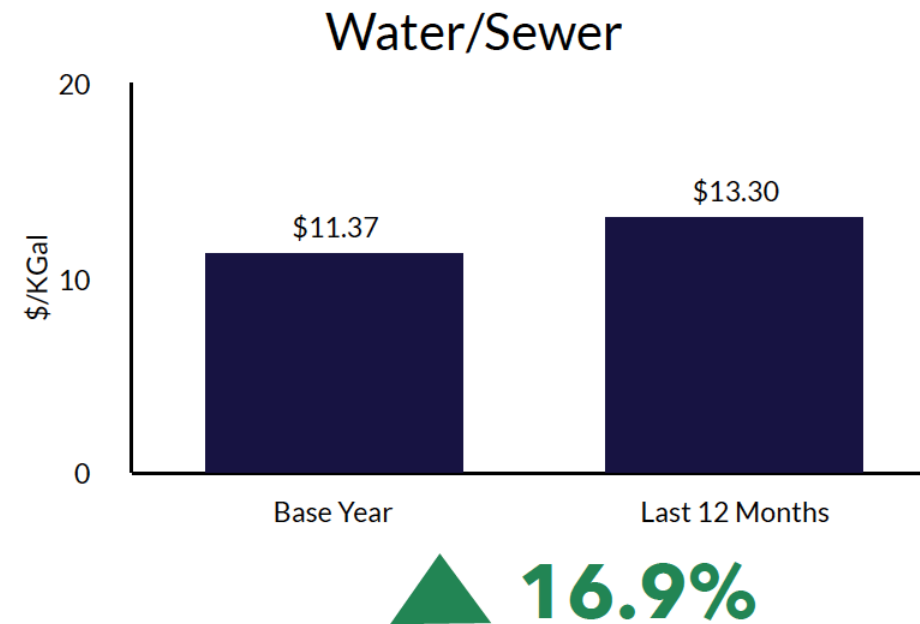
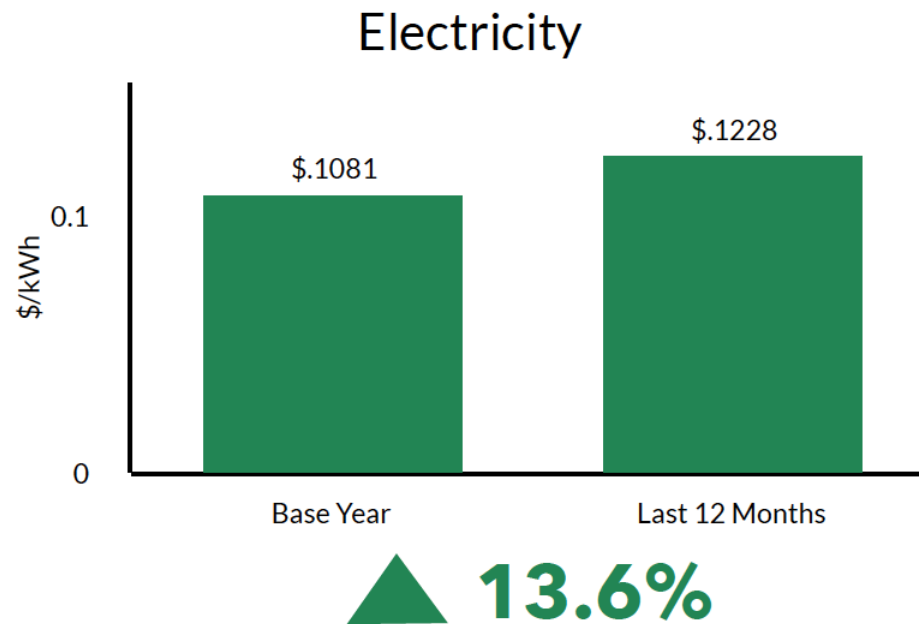
Your Energy Program: Key Statistics

ENERGY COST PER SQUARE FOOT: CLAY COUNTY VS. FLORIDA STATE AVERAGE



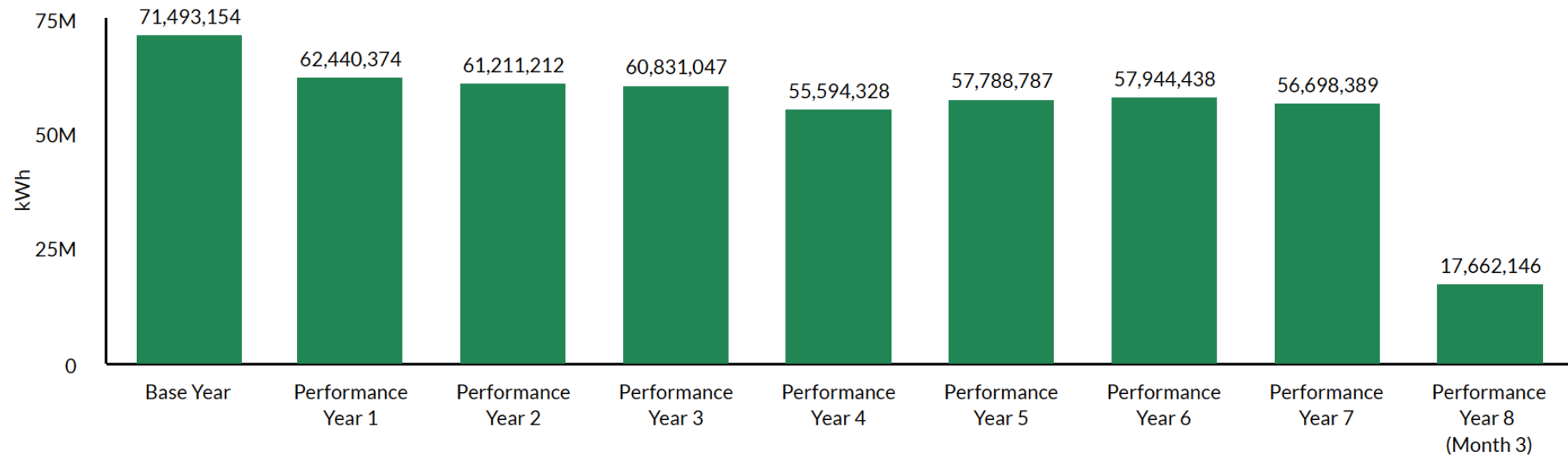
Your Energy Program: Cost Per Unit Impact

The current rates for electricity and water/sewer would have increased the last 12 month's utility budget for SDCC by an additional **\$1,189,629** had usage been at base year levels.



Your Energy Program: Electricity Usage Trend

The energy **not used** since the beginning of the program from electricity would be enough to run all the buildings in the district for the next **1.67 years**.



Your Energy Program: Energy Usage Intensity (EUI)

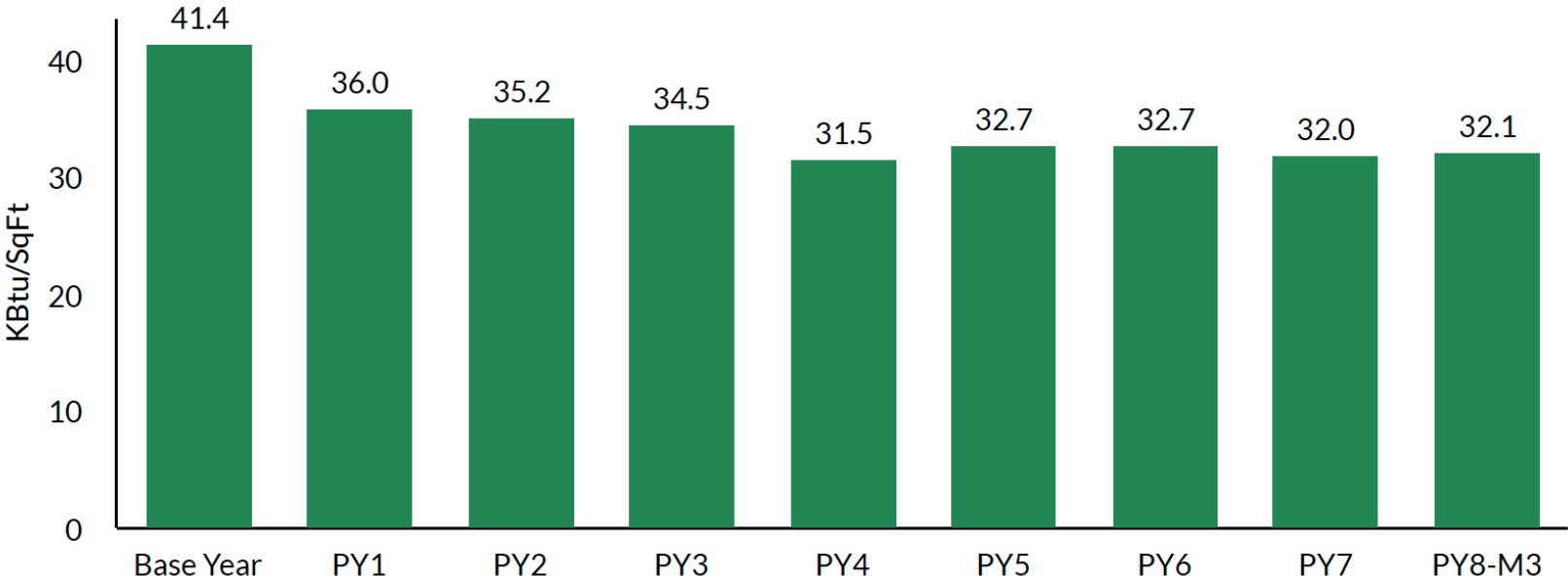
41.4

Base Year

EUI measures an organization's energy use per square foot. SDCC has decreased EUI by 22.5%

32.1

Current

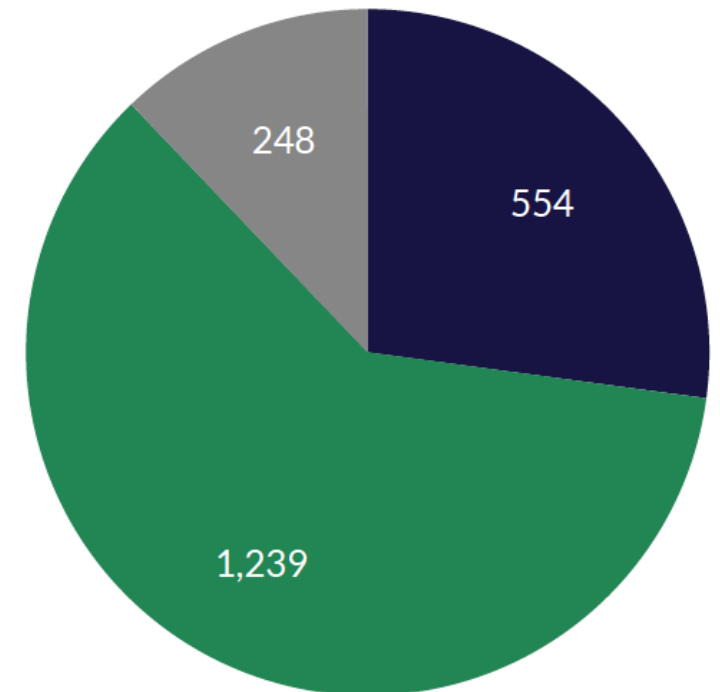


Your Energy Program: Audits

Your Cenergistic Energy Specialists (CES) has conducted **2,041 audits** of SDCC buildings in the last 12 months. The majority of our time is spent in buildings to ensure minimal energy waste.

Cenergistic
GreenX®

- Occupied (27.14%)
- Unoccupied (60.71%)
- Setback (12.15%)



Your Energy Program: Environmental Impact



327,253,509 KBTU

Energy Reduction Impact



67,969

Metric Tons of CO2



1,123,868

Tree Seedlings Grown for 10 Years



8,267,890,420

Number of smartphones charged

Your Energy Program: Conservation Measures

Energy Conservation Measure #1

Low Use Irrigation Meters

Disconnect 6 irrigation meters with district approval that have no monthly usage, saving cost of monthly base rate

Energy Conservation Measure #2

Admin BAS Access/Authority

Set expectations and train administrators with access to adjust the BAS (Building Automation Systems) to ensure schedules and classroom comfort are maintained

Energy Conservation Measure #3

Energy Program Awareness

Highlight the energy program for students, faculty, and staff to increase awareness of the district's commitment to environmental stewardship and the importance of individual contribution efforts

Energy Conservation Measure #4

HVAC Runtime Protocol

Develop a district-wide standard for HVAC set back schedules, allowing for maximized energy savings while maintaining a comfortable environment for custodial teams

Cenergistic®

OPTIMIZING ENERGY PERFORMANCE™