

# TECHNOLOGY-ENABLED BEHAVIORAL-BASED ENERGY CONSERVATION PROGRAM

BOARD UPDATE

Alachua County Government  
January 11, 2022



Cenergistic

ALACHUA COUNTY COURTHOUSE  
Criminal Justice Center-220

# Energy Program Success

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**21**

Months into  
Energy Program

**\$606,038**

Cumulative Cost  
Avoidance

**19%**

Reduction in  
Energy Use per Square  
Foot

**11%**

Savings Percentage

# ENVIRONMENTAL IMPACT

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Co2 Emissions from  
**235** Homes' Energy  
Use for 1 Year



Emission from  
**4,910,789** Miles  
Driven by an  
Average Vehicle



Greenhouse Gas  
Emission from **665**  
Tons of Waste  
Recycled



Carbon Sequestered  
from **50,107** Trees  
Grown for 10 Years



# Use and Cost Trends

**\$3,423,136**

Total Base Year  
Utility Spend

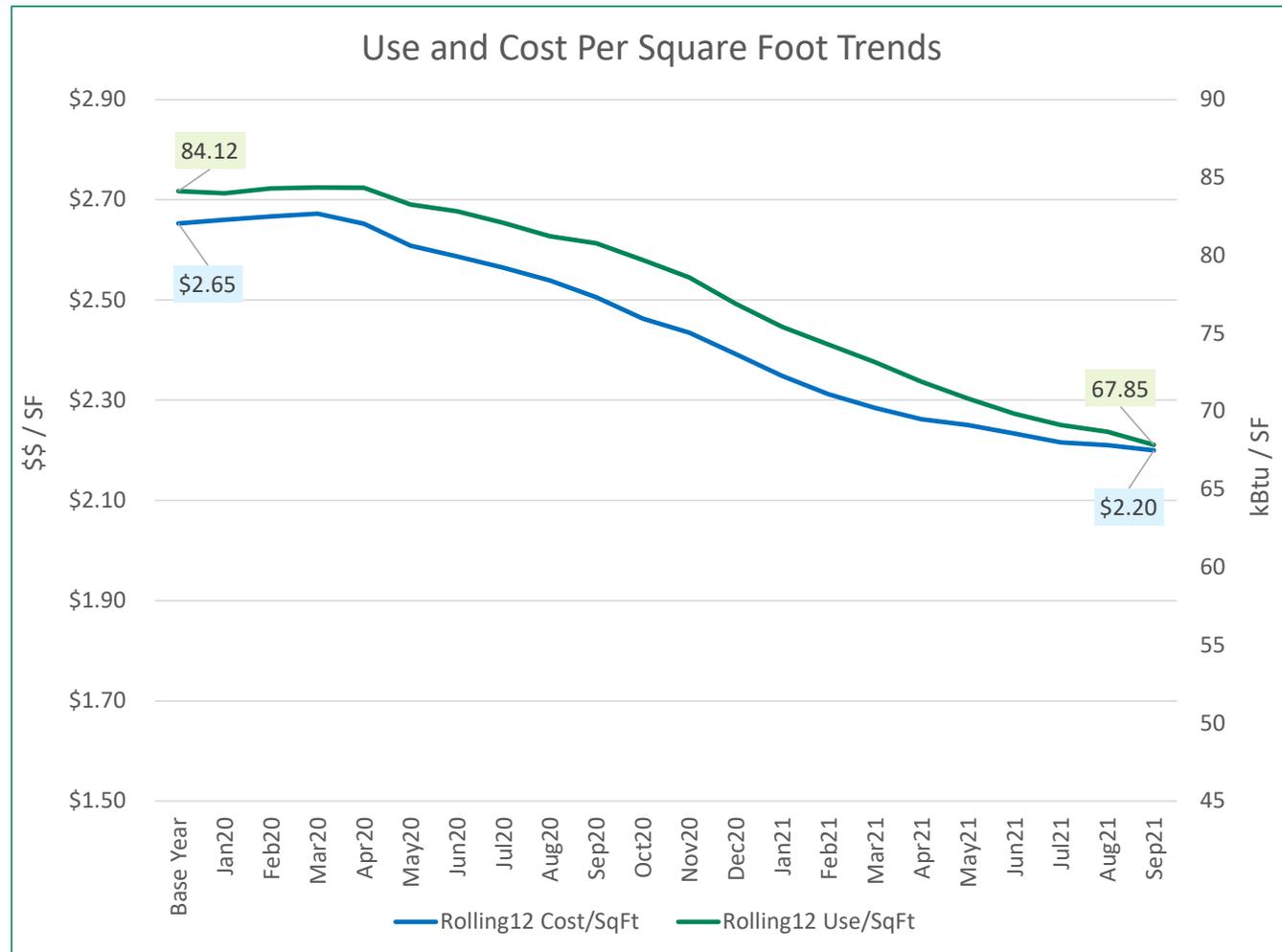
↓ **19%**

Overall decrease in Use/SF  
16.3 kBtu/SF

↓ **17%**

Overall decrease in \$/SF  
\$0.45

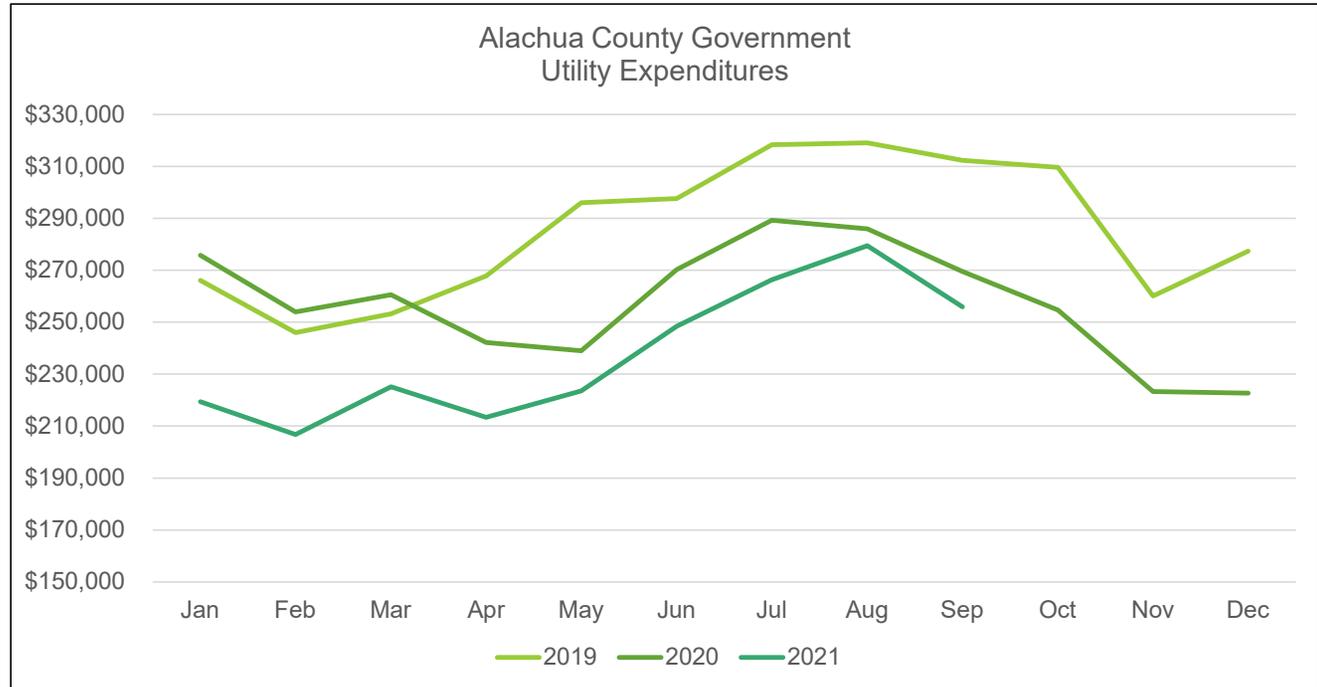
\*Cost/SF is calculated using the cost  
of all commodities, all meters.



# Reduced Utility Costs

(\$774,005)

Overall Billing Reduction  
Since January 2020



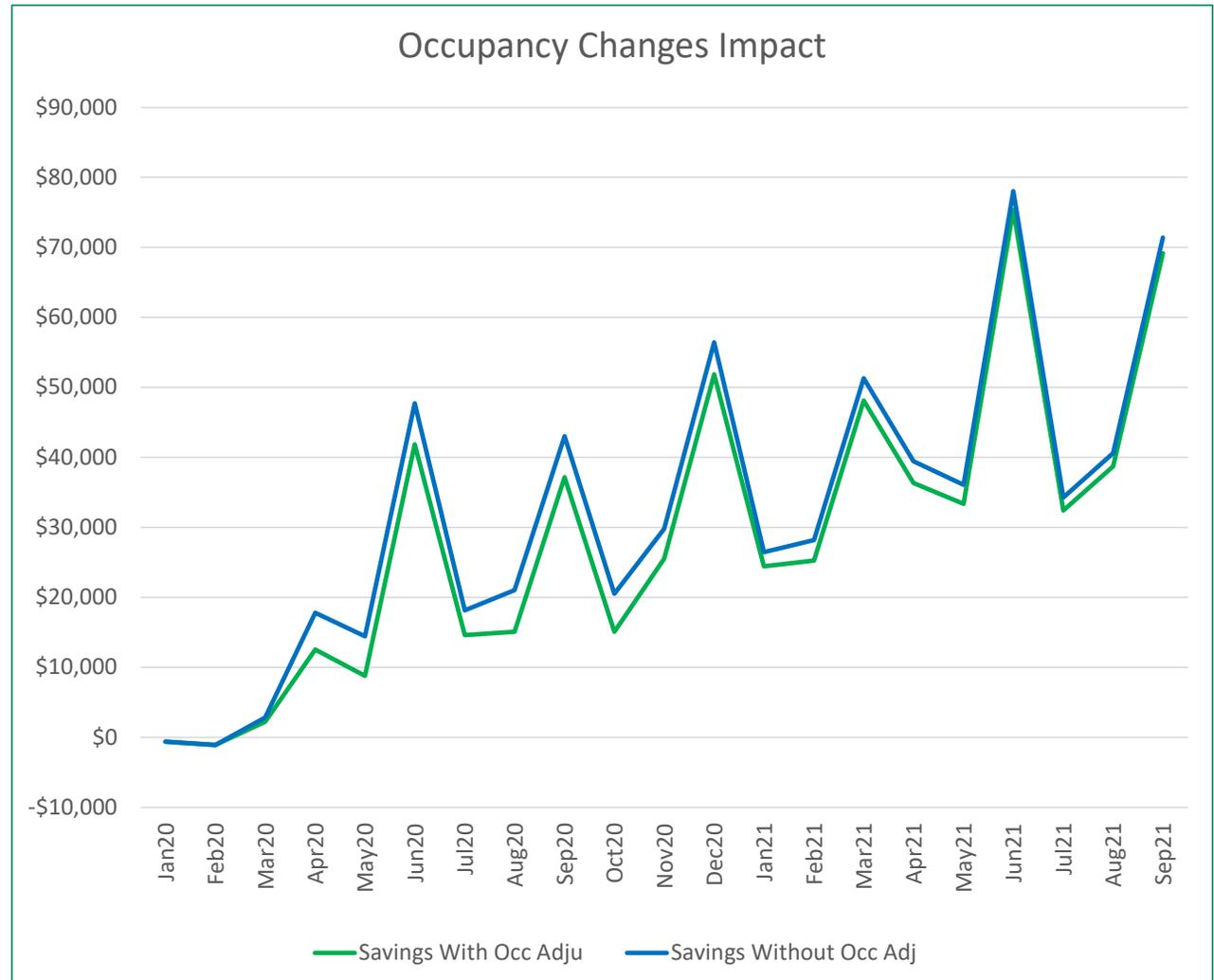
# Accounting for Occupancy Changes

Since Jan 2020, there has been a change in occupancy at Alachua County Government compared to the Base Year.

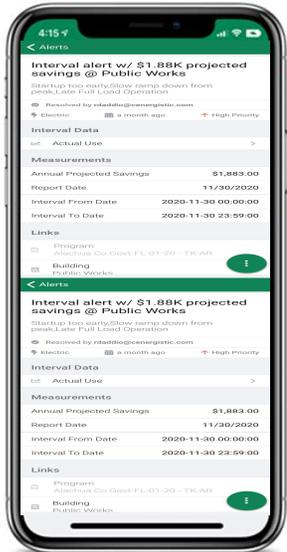
The chart to the right shows the impact of that change on the Savings calculations.

## 10%

Decrease in Program Savings due to Reduced Occupancy

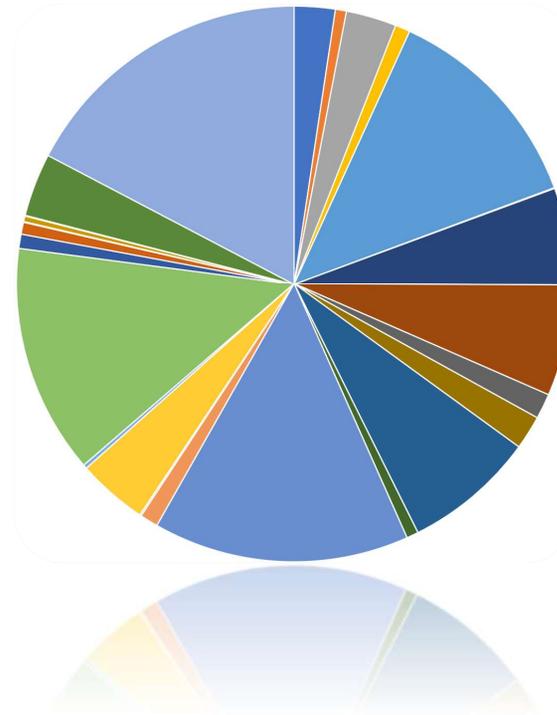


# Leveraging Cenergistic GreenX<sup>®</sup> Technology



**2250+**  
Audits Completed

**975+**  
Specialist  
Generated Faults

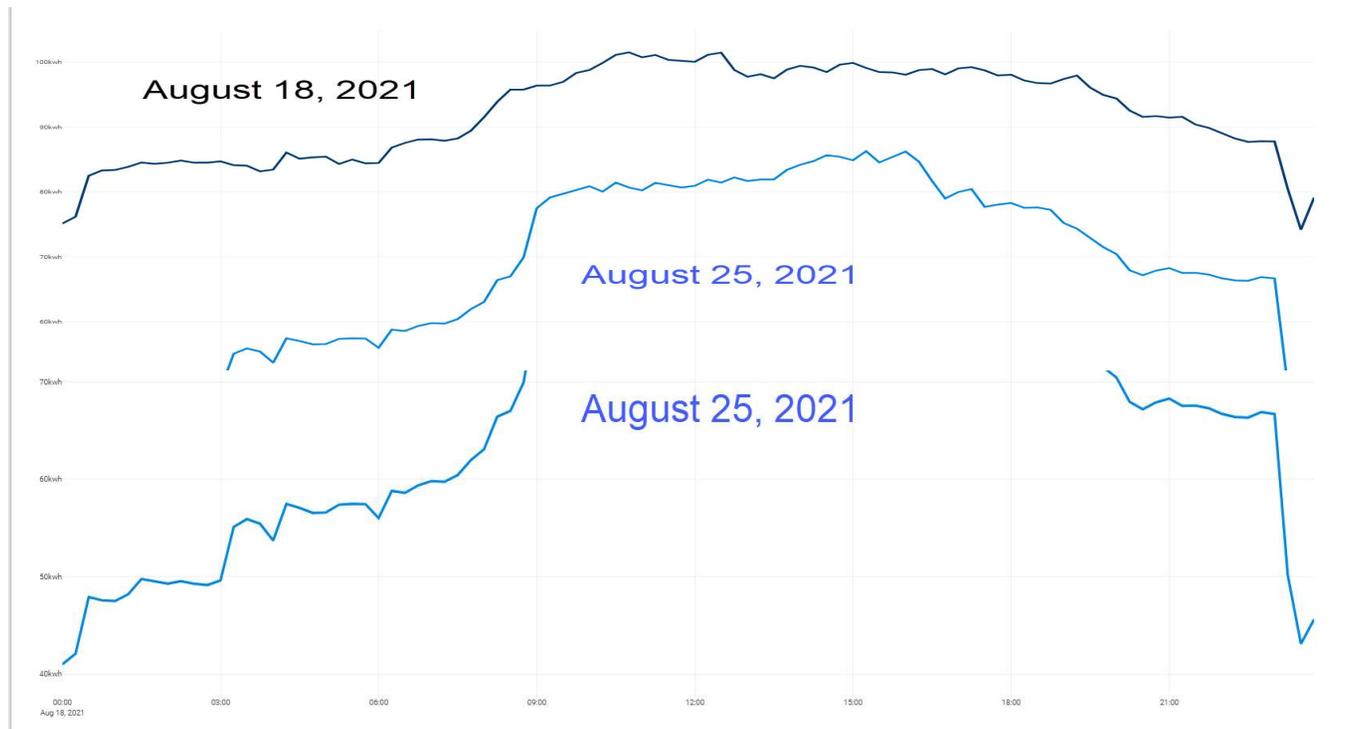


## Audit Types

- Administrator Meeting
- Client Meeting
- Comfort Complaint
- Communication/Relationship
- Consultant Visit
- Daily Report
- Data Logger Deployment
- Data Logger Pickup
- Data Management & Analysis
- EMS Audit
- Equipment Inspection Audit
- Exterior Building Audit
- Occupied
- Occupied Shutdown
- Occupied Startup
- PL Communication
- Planning & Documentation
- Remote EMS Audit
- Setback Audit
- Shutdown Audit
- Site Administrator Meeting
- Transition - Startup
- Unique Event
- Unoccupied Day

# Success Story: Criminal Courthouse

## Electricity Use Comparison Pre and Post HVAC Opti-Commissioning Pilot



The Criminal Courthouse electricity consumption was reduced by 26% following the implementation of the recommended strategies...

...with no impact to occupant comfort!

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# Questions

