



# **2017 Access Presentation**

## **Alachua County**

### **Facilities Management**



Facilities Management  
Charlie R. Jackson,  
Facilities Director



# Vision

To operate a world-class Facilities Management Department that is efficient and responsive to the needs of its customers.

# Mission

To design, construct, renovate, repair and maintain Alachua County's Facilities thereby providing a clean, safe, and energy efficient environment for our customers.





# Buildings, Square Footage & Geographical Information







# Statutory Requirements/Mandates

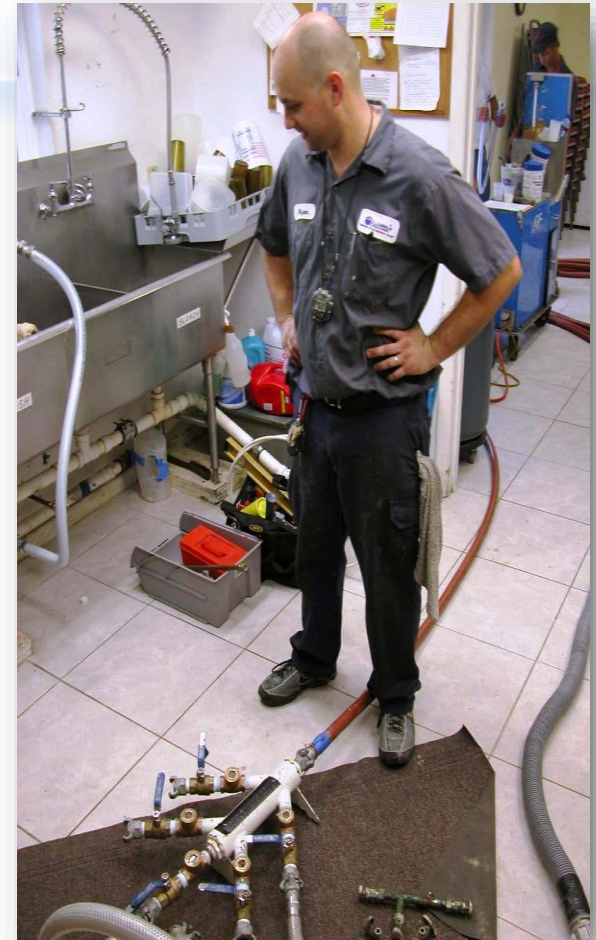
- F.S. Section 125.01 (1) C
- Article 5, State of Florida Constitution
- F.S. Chapter 633 Fire Code and Life Safety Standards
- Florida Fire Prevention Code Rule Chapter 69A
- Florida Building Codes, 2004





# Services we provide

- Building Maintenance
  - Janitorial
  - Grounds
- Energy & Water Conservation
- Lease Management
- Building Design and Construction
- Space Planning & Allocation

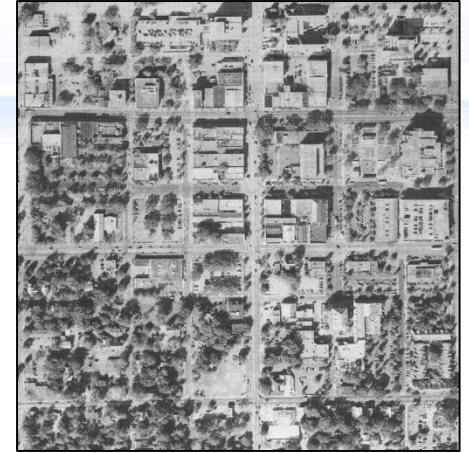




# Master Space Planning - Downtown

## Recent/Planned Activities

- Purchase Josiah T. Wall Building (R)
- Renovation In Admin Building (IP)
  - County Manager's
  - County Attorney
  - Tax Collector
  - Civil Sheriff
  - EEO Office
- Built New Public Defender's Building (C)
- Sell old Public Defenders' Building (P)





# Significant Current Capital Projects

- Fire Station # 9 Hwy 441/34<sup>th</sup> St
- Fire Station # 23 Waldo
- Public Defender's Building
- Administration Building Roof Replacement
- Tax Collectors Office
- Animal Service Kennels
  - Facilities Office
  - Josiah T. Walls Building
- Solar Projects







# Fire Station #9– Hwy 441 & 34<sup>th</sup> St



- Size 7,754 SF
- Total Cost \$2,934,681
- Construction Start Jan 2017
- Schedule Completion Dec 2017
- 20% Completion
- High Efficiency HVAC Systems





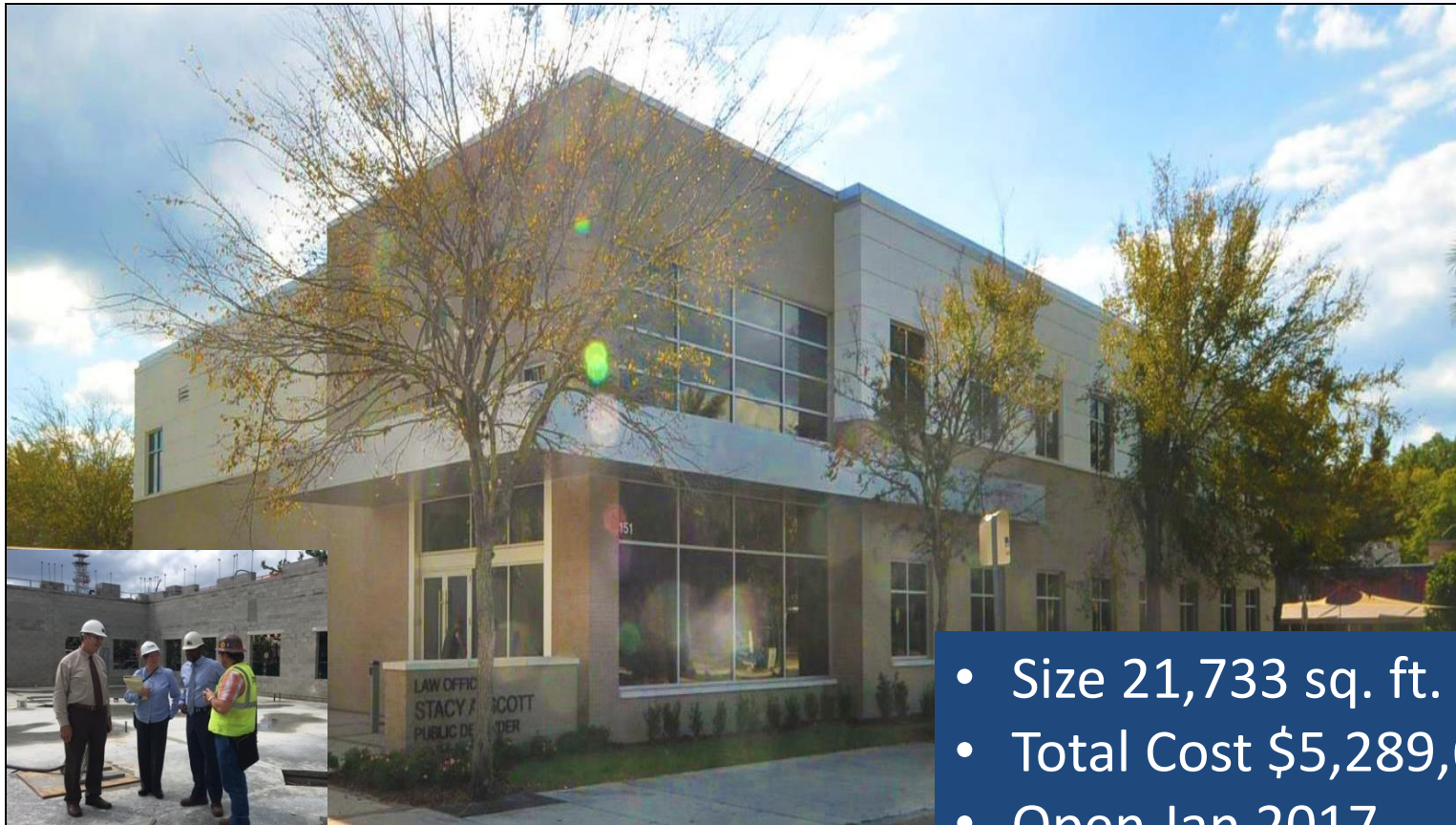
# Fire Station #23 – Waldo Florida



- Size 5,684 SF.
- Total Cost \$2,122,904
- Construction Start Sept 2016
- Schedule Completion Jun 2017
- Energy Efficient HVAC System
- 60% Completion



# New Public Defender's Building



- Size 21,733 sq. ft.
- Total Cost \$5,289,682
- Open Jan 2017
- Energy Efficient Design
- On Time & Within Budget





# Energy Reduction & Water Conservation Activities

## Energy Conservation Measures

- Water Conservation
- Lighting Upgrades
- Building Technologies
- Mechanical Upgrades
- Building Envelopes







# Jail HVAC, Roof Replacement and Energy Conservation Projects

Lee Pinkoson - Chair, Susan Baird - Vice Chair, Chuck Chestnut IV, Robert Hutchinson, Mike Byerly  
Sadie Darnell - County Sheriff, Betty Baker - County Manager, Dave Wagner - County Attorney



**Start Date:** October 12, 2010  
**Completion Date:** December 2013  
**Project Cost:** \$12.7M  
**A&E Firm:** GRAEF – USA, Inc.  
**Construction Manager:** Peter Brown/  
Moss Construction  
**Commissioning Agent:** Affiliated Engineers Inc.

## Solar Panels



**92 Solar Panels**  
**Reduced Cost to Heat Water**

## Chiller Plant



**Premium Efficient Water**  
**Cooled Chiller Plant**

## ICON Water Project



**Saves over 17M Gallons**  
**of Water Annually**

## Laundry Room Upgrades



**State of Art Washers and**  
**Dryers**

## Kitchen Remodel



**Energy Star Appliances**

## Foam Roofing



**High R-Value/Reduced Cost.**  
**Reduced HVAC Tonnage Load**

## Benefits to Citizens:

- Reduced Utility Cost
- Reduced Electric, Gas and Water Cost
- Reduced Green House Gas (GHG) Emission
- Received Over \$106k in Gainesville Regional Utilities Rebates
- Reduced Maintenance Cost

## Contacts:

**Director of Jail:** MAJ Charles Lee  
clee@alachuasheriff.org, Phone: (352) 491-4452

**Project Coordinator:** Bryan Schneider  
bschneider@alachuacounty.us, Phone: (352) 384-3190

**Facilities Manager:** Charlie Jackson  
crjackson@alachuacounty.us, Phone: (352) 374-5289

**Energy Specialist:** Charley Balanis  
cab@alachuacounty.us, Phone (352) 384-3195

## Building GREEN is 4 x GOOD

**Good** for the Present, **Good** for the Future, **Good** for the Planet, **Good** for the Bottom Line

# Alachua County Correctional

## Current Totals (2017 Data through Feb)

	<u>Yr (To Date)</u>	<u>Month</u>	<u>Week</u>	<u>Date</u>	
<b>Electric</b>	470,267	156,756	36,576	5,225	kWh
<b>Gas</b>	3,649	1,216	284	41	Mbtu

## Previous Totals (2016 Data through Feb)

	<u>Yr (To Date)</u>	<u>Month</u>	<u>Week</u>	<u>Date</u>	
<b>Electric</b>	477,504	159,168	37,139	5,306	kWh
<b>Gas</b>	4,122	1,374	321	46	Mbtu

## Baselines (2009 through Feb)

	<u>Yr (To Date)</u>	<u>Month</u>	<u>Week</u>	<u>Date</u>	
<b>Electric</b>	704,400	234,800	54,787	7,827	kWh
<b>Gas</b>	3,561	1,187	277	40	Mbtu

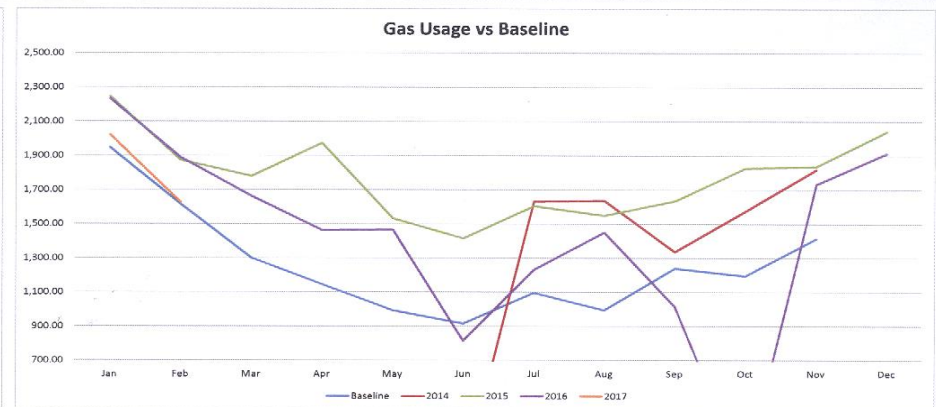
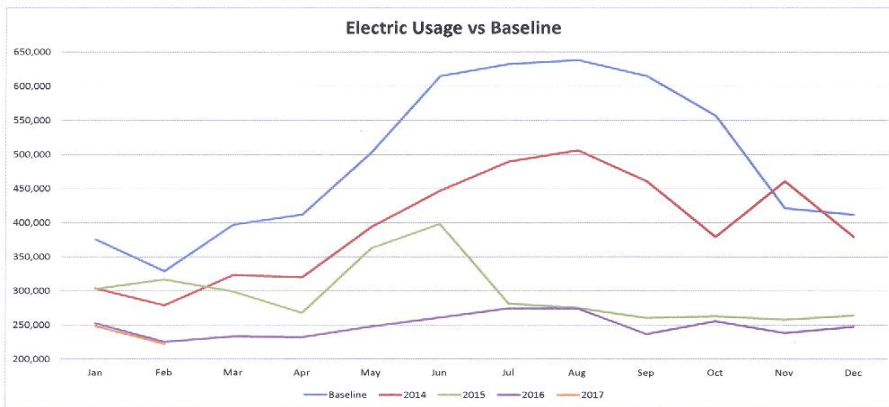
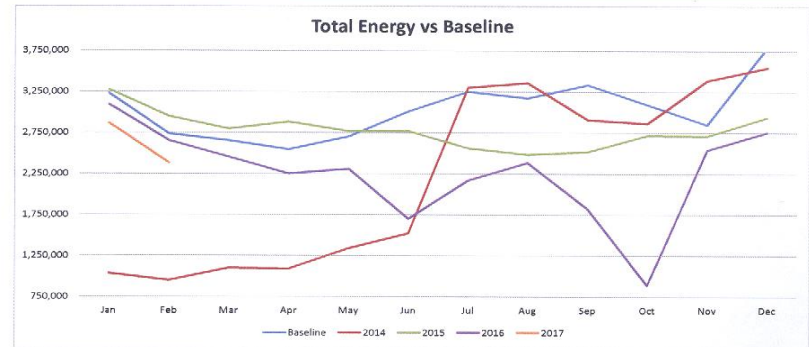
## Savings (Energy)

	<u>Yr (To Date)</u>	<u>Month</u>	<u>Week</u>	<u>Date</u>	
<b>Electric</b>	234,133	78,044	18,210	2,601	kWh
<b>Gas</b>	-88	-29	-7	-1	Mbtu

## Cost Avoidance

<b>Energy Costs:</b>	0.118	\$/kWh
	0.99	\$/Mbtu

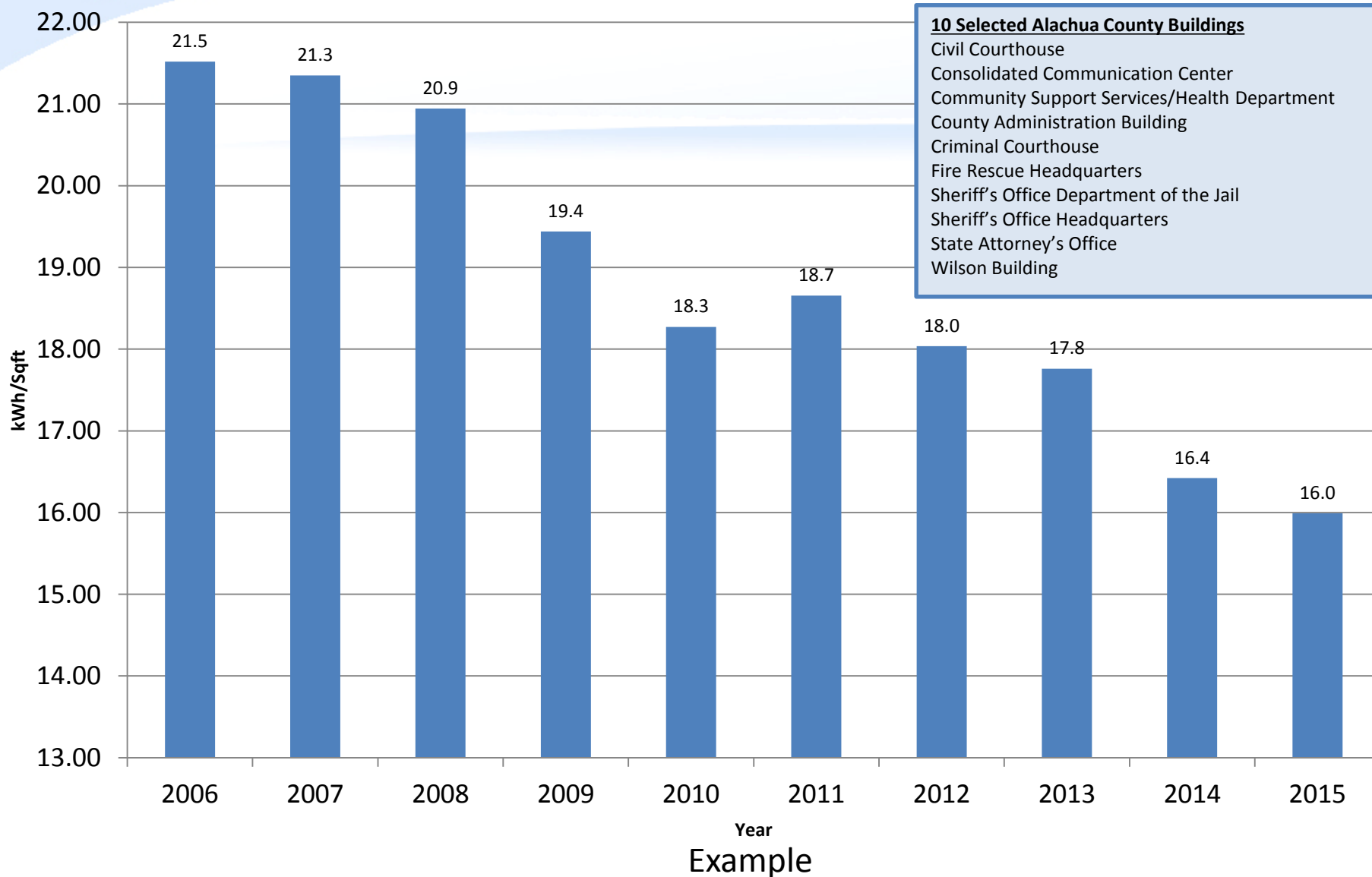
	<u>Yr to Date (Exp)</u>	<u>Month</u>	<u>Week</u>	<u>Date</u>
<b>Electric</b>	\$ 27,628	\$ 9,209	\$ 2,149	\$ 307
<b>Gas</b>	\$ (87)	\$ (29)	\$ (7)	\$ (1)
<b>TOTAL</b>	\$ 27,541			\$ 306



**Brooks**  
Building Solutions



# Annual Electricity Consumed per Square Foot 10 Selected Buildings







Facility Maintenance Decisions<sup>®</sup>  
**ACHIEVEMENT AWARDS**

2014 **AWARD WINNER!**

Alachua County Facilities Management  
Civil Courthouse HVAC Upgrade Project

Three Globes certified under the  
Green Building Initiative<sup>™</sup> Standards

GREEN = 4 X GOOD  
GOOD FOR THE PRESENT, GOOD FOR THE FUTURE, GOOD FOR THE PLANET, GOOD FOR THE BOTTOM LINE



# Questions?



If you should have any other questions please feel free to contact us at [crjackson@alachuacounty.us](mailto:crjackson@alachuacounty.us)