

# Gainesville City Commission

## June 21, 2018



COMMUNITY  
WEATHERIZATION  
COALITION

Presentation by

**Community Weatherization Coalition (CWC)**  
**&**  
**Gainesville Regional Utilities (GRU)**

# Community Weatherization Coalition

Saving Money and Resources, Together:

<https://youtu.be/I30BZPCK6zI>

From 2008-2018:

- nearly 900 homes served: over 2,000 residents
- over 200 volunteer energy coaches trained
- hundreds of thousands of \$\$ saved
- millions of kilowatt hours of energy and tens of millions of gallons of water saved



# Research-based Improvements, 2016-2018

- *Community-based social marketing research* to increase benefits, decrease barriers
- *Rigorous impact analysis* of energy, water, and money savings

1. ↑ Client applications
2. ↑ Volunteers trained
3. ↑ Volunteer participation
4. ↑ Client knowledge, behavior, satisfaction
5. ↑ Client savings

Hear more about this research on the 45-minute UF PIE Center Webinar, recorded on April 30 2018:



<https://www.youtube.com/watch?v=bxjl4N-DexY>

# Logo Update and New Marketing Materials (March 2018)



**COMMUNITY WEATHERIZATION COALITION**

**Saving money and resources, together.**

**CWC'S FREE HOME ENERGY TUNE-UP IN PROGRESS**



**CALL (352) 450-4965**

COMMUNITY WEATHERIZATION COALITION  
SAVING MONEY AND RESOURCES, TOGETHER



COMMUNITY WEATHERIZATION COALITION

**FREE**



**HOME ENERGY TUNE-UP**

**OVER \$90 VALUE**



**APPLY TODAY!**

COMMUNITY WEATHERIZATION COALITION  
SAVING MONEY AND RESOURCES, TOGETHER



**FREE LIGHTBULBS & MORE**

VALUED AROUND **\$90**

**CALL TODAY (352) 450-4965 FOR A HOME TUNE-UP**

COMMUNITY WEATHERIZATION COALITION  
SAVING MONEY AND RESOURCES, TOGETHER

# Client Follow-up Survey Results



- 85% changed to be more efficient
- 92% thought coaches helped them understand home & how to save
- 96% learned at least one new thing
- 100% thought coaches were respectful & knowledgeable





# Greater Duval neighborhood

- Home energy/water tune-ups were carried out in 103 homes in Greater Duval neighborhood over the past 10 years.
- Duval homes that had a CWC tune-up saved an average of **\$313** in utility expenses the subsequent year.
- Multiplied by 103 homes, this figure suggests that Duval residents saved approximately **\$32,239** in utility expenses each subsequent year due to CWC tune-ups.

Location	Number of Homes	Percent Owner Occupied	Year Built	Heated Area	Home Just Value (2010)	Water Use (Gal)	Energy Use (ekWh)	Total Cost Savings
Duval	103	88%	1967	1230	\$ 76,100	58,600	15,800	313
Other GRU	131	81%	1965	1320	\$ 96,300	56,600	21,600	230



# Persistence in Savings

## 2010-2012 Audits in 2016

Usage	Water (gallons)	% Water Savings	Energy (ekWh)	% Energy Savings
Pre-Usage	59,000	-	15,800	-
Post-Usage	47,400	-	13,095	-
Savings	11,600	24.4 %	2,580	16%

Cost Savings	Water Savings	Energy Savings	Total Savings	Total Utility Bill	Utility Cost Savings
Savings	\$ 41	\$ 312	\$ 375	\$ 1,957	19%

# GRU Grants to CWC

- Collaboration between GRU and CWC
- Home Tune-ups: Perform basic efficiency repairs that exceed the scope of a standard GRU energy survey
- Allocated \$25,000 of GRU budget
  - Conduct 20 energy surveys per quarter
  - \$7000 initial funding
  - Additional \$4500 per quarter



# GRU Grants to CWC

-continued-

Home retrofits: Install energy upgrades & critical home repairs

- City Commission requested to allocate an additional \$15,000 for FY 2018 to fund these retrofits
  - Up to 12 homes
  - \$6000 initial funding
  - Additional \$3000 per quarter

# American Public Power Association (APPA)

- DEED\* Grant - \$85,193 awarded to GRU
  - Pass through to CWC
- Two year project term (5/1/16 - 5/1/18)
- Evaluate best practices for reducing energy in low income neighborhoods

\*Demonstration of Energy & Efficiency Developments (DEED)

# Comparable Programs

GRU programs that offer comparable services to CWC basic repairs and upgrades:

- Low-income Energy Efficiency Program<sup>Plus</sup> (LEEP<sup>plus</sup>)
- Home Energy Efficiency Surveys

Services Offered	GRU		CWC	
	LEEP <sup>plus</sup>	Surveys	Tune-ups	Energy Retrofits
Identify efficiency issues	X	X	X	
Identify Safety concerns	X	X	X	
Efficient Lighting	X		X	
Insulation	X			X
Water Heater service/replacement	X			X
Weather Stripping & Caulking	X			X
Refrigerator replacement	X			X
HVAC Equipment Service/replacement	X			
Room A/C Install & Replacement	X			X
Toilet replacement	X			X
Electric Service Upgrades	X			
Window repairs/screen	X			X
Showerhead/Aerator			X	
Irrigation mgmt.		X		

**Note:** CWC's retrofits program has focused only on attic insulation so far. The gray X's represent other services that could be offered in the future.

# Benefits of Collaboration

- Free marketing through word of mouth
  - CWC Coupons provided at GRU Customer Service desk and to LEEP<sup>plus</sup> participants
  - LEEP<sup>plus</sup> applications provided during CWC energy surveys
- Leveraging each other's expertise to maximize benefits to the customer

# Benefits

–continued–

Learning from each other:

- GRU helped developed CWC Energy Coach training and continues to assist
- Sharing information on home retrofit costs to ensure resources are being used as efficiently as possible
- Best management practices generated by CWC through DEED grant research could benefit GRU programs and other utilities



# Goals for Future Collaboration

- **Coordinate** program evaluation techniques
- **Compare** energy saving and bill impacts of GRU and CWC programs using similar analysis methods
- **Explore** ways of maximizing customer benefit based on this analysis

# Current Goals

- **Increase impact by 50%**, from 100 to 150 tune-ups/year (\$16,854);
- **Transition to tablets** from paper forms to improve efficiency and reporting (\$2,500);
- **Deepen impact** through follow-up energy upgrades in 20 homes (\$30,000);
- **Sustain research partnerships** to monitor impacts and explore sale of carbon offsets from CWC energy savings (\$4,500)





# Some of CWC's Current Partners



Central Florida Community Action Agency, Inc.

# Funding Sources for 2018

<b>2018 Budget Sources</b>	<b>Amount</b>
Foundations	\$14,000
Individual Donors	\$3,500
Volunteer Trainee Contributions	\$1,050
Churches/Non-profits	\$6,000
Business Sponsors	\$4,500
DEED grant funds	\$2,750
County weatherization support	\$10,000
GRU contract	\$25,000
GRU/City of Gainesville Amendment for New Programs	\$15,000

# Projected 2019 Funding Sources

<b>Projected 2019 Budget</b>	
<b>Source</b>	<b>Amount</b>
Foundations	\$13,000
Individual Donors	\$4,000
Volunteer Trainee Contributions	\$1,400
Churches/Non-profits	\$4,000
Business Sponsors	\$7,000
County weatherization support	\$25,000-40,000
GRU contract	\$25,000
GRU/City of Gainesville Amendment for New Programs	\$25,000

# Recommendation

- Allocate an additional \$10,000 for FY 2019.





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