



## **The Amazing Race: 1 Year into the \$5 Million Georgetown U. Energy Prize**

# Agenda

**I. Welcome and Introductions**

**II. Polling Questions**

**III. Georgetown University Energy Prize**

**IV. Breakout Groups**

1) Hurdles

2) Takeaways

3) Next Big Thing

**V. The Amazing Race Contestants**

**VI. Your Next Big Thing**

# Introductions

**I. Name**

**II. Affiliation**

**III. Role**

**IV. GUEP**

# Polling Questions

**How long have you been working in the field of residential energy efficiency?**

- 0-1 years
- 2-5 years
- 6-10 years
- 11-20 years
- 21+ years

# Polling Questions

## What sector do you work in?

- Local government
- State government
- Federal government
- Nonprofit
- Utility
- Business

# Polling Questions

## What is the size of your community?

- <50,000 population
- 51 - 100,000
- 100 - 500,000
- 500,000 - 1M
- >1M

# Polling Questions

## How long has your program been operating?

- 0-1 years
- 2-5 years
- 6-10 years
- 11-20 years
- 21+ years

# Residential Network

**Better Buildings Residential Network**: Connects energy efficiency programs and partners to share best practices and learn from one another to increase the number of homes that are energy efficient.

**Membership**: Open to organizations committed to accelerating the pace of home energy upgrades.

## **Benefits**:

- Peer Exchange Calls
- Tools, templates, & resources
- Newsletter updates on trends
- Recognition: Media, materials
- Voluntary member initiatives
- Residential Program Solution Center – Guided Tours

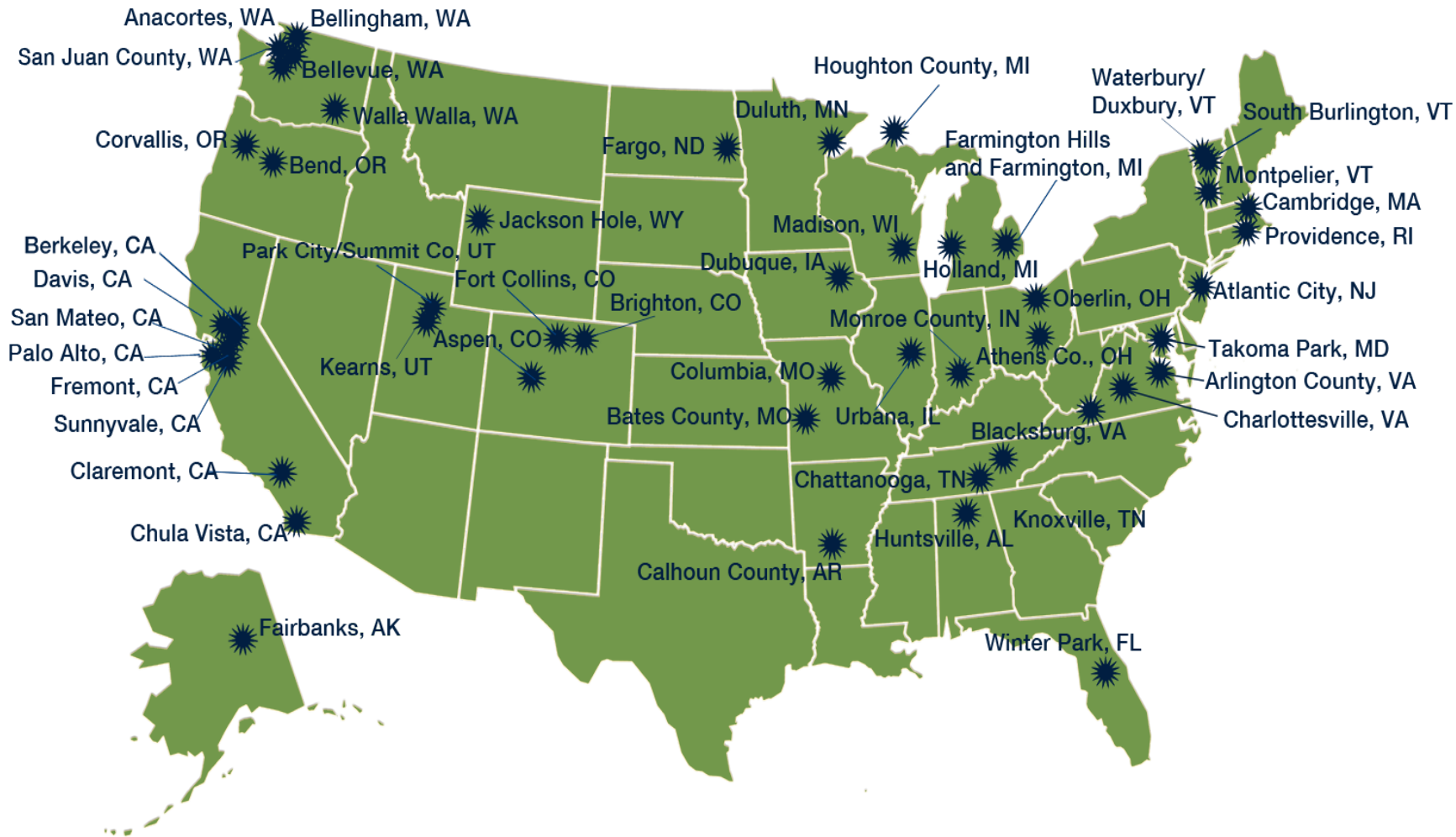
**Commitment**: Provide DOE with annual number of residential upgrades, and information about associated benefits.





# GEORGETOWN UNIVERSITY

## ENERGY PRIZE





In addition to reducing energy consumption, participating communities must show that their approaches:

- **Educate** students and the general public about energy efficiency;
- Include **equitable access and engagement for the entire community** and diverse stakeholders;
- Will result in **future savings in the community**;
- Are **innovative**; and
- Can be **replicated**.



Georgetown University Energy Prize communities participate in the BBRN to learn current best practices from peers and experts in energy efficiency.

To the BBRN, and other communities of practice, GUEP participants provide:

- Ongoing Lessons Learned
- Proven Best Practices
- Innovative New Approaches to **community-wide energy efficiency programs** that *go beyond any one sector or program*.



## **GUEP – One Year Results**

- What legal, policy, procedural hurdles did you experience in gaining access to your community's energy data for the competition?
- What technical hurdles did you experience in receiving / transmitting the data?
- How could this be made easier in the future?
- Do you plan to gain additional access to data for more understanding of your energy use?
- *Other current issues / challenges to discuss*

# Breakout Groups

- Hurdles
- Takeaways
- Next Big Thing

# The Amazing Race Contestants

- Barbara Buffaloe, Columbia, MO
- Malini Srivastava, eFargo
- Robin Cox, Huntsville, AL

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# Columbia, Missouri

The Amazing Race: 1 Year into the \$5 Million  
Georgetown University Energy Prize









2013 2014 2015

2014 Annual

Quarter 4 (Oct-Dec) ...

Quarter 3 (July-Sept)...

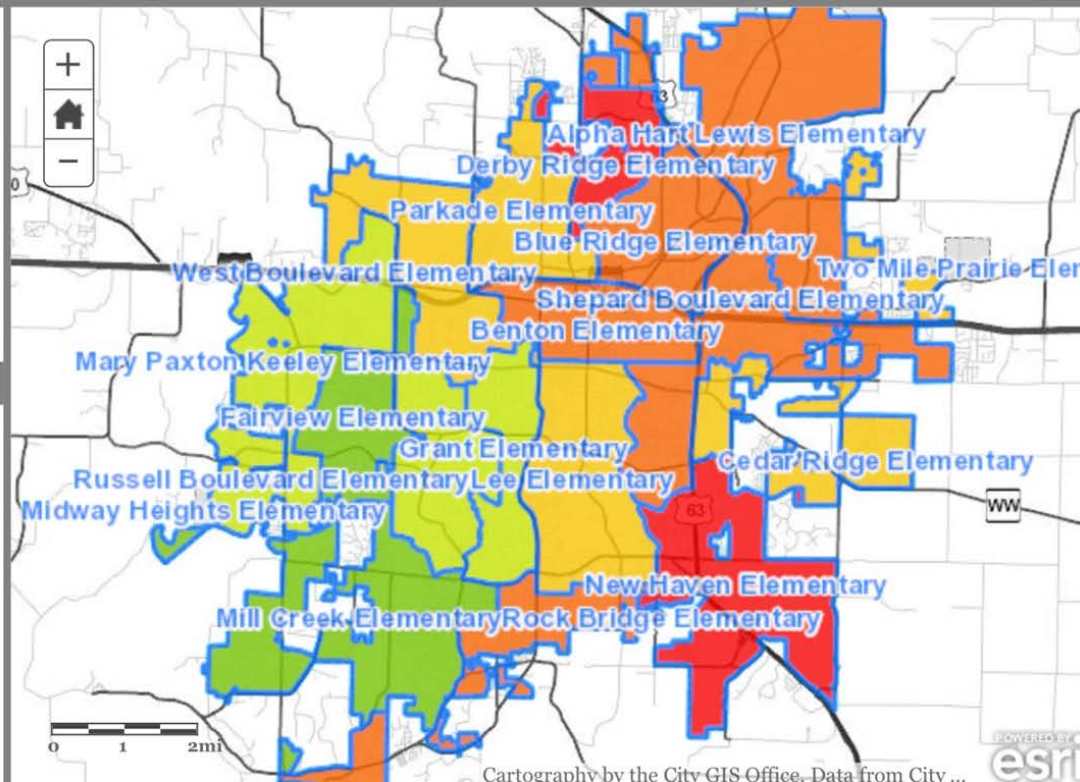
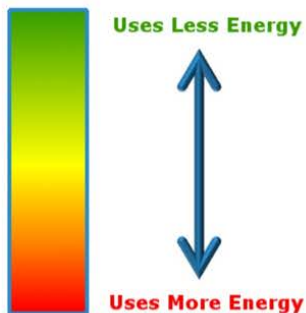
Quarter 2 (April-June...)

Quarter 1 (Jan-Marc...)

### 2014 Annual

The CoMo Energy Challenge community map shows how your neighborhood, determined by CPS Elementary School boundaries, uses energy and how it compares to other areas in Columbia. Click on your neighborhood, or surrounding areas to see details such as average age of homes, average size of homes, average energy use of homes in that area, and more.

#### LEGEND



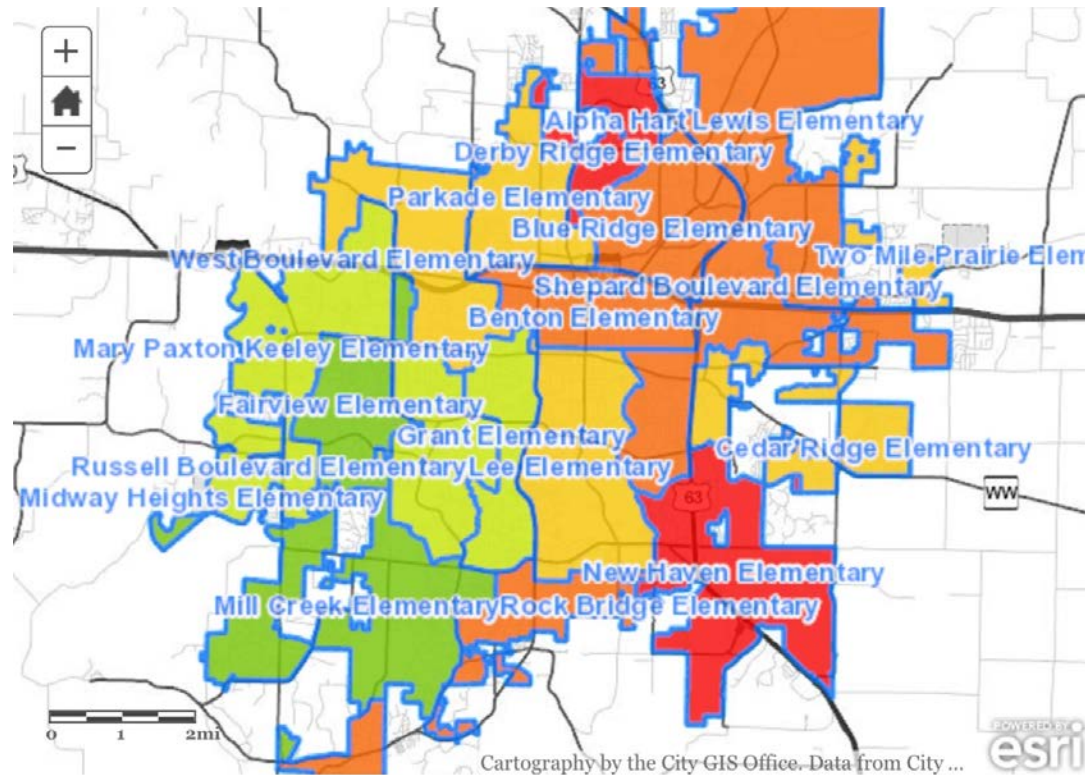
# CoMo Energy Challenge map

Objectives:

Aggregate data

Communicate  
efforts

Challenge  
residents

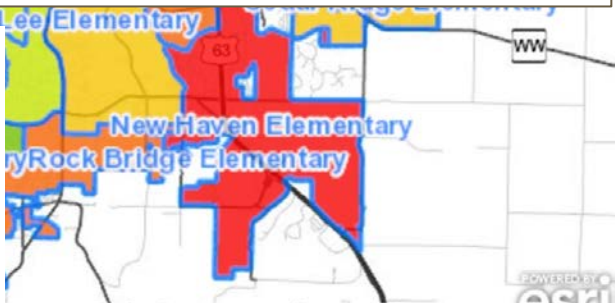
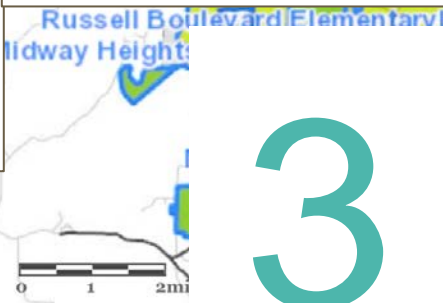




Number of Residential Electricity Bills Issued	Start Date	Meter Unit	BI_ACCT
908094	kWh (thousand Watt-hours)	877	Alpha Hart Lewis Elementary
107638	kWh (thousand Watt-hours)	19	Benton Elementary
581001	kWh (thousand Watt-hours)	534	Blue Ridge Elementary
710240	kWh (thousand Watt-hours)	510	Cedar Ridge Elementary
1543762	kWh (thousand Watt-hours)	1343	Derby Ridge Elementary
42027	kWh (thousand Watt-hours)	21	Fairview Elementary
16306	kWh (thousand Watt-hours)	30	Grant Elementary
141238	kWh (thousand Watt-hours)	166	Lee Elementary
481931	kWh (thousand Watt-hours)	376	Mary Paxton Keeley Elementary
1522197	kWh (thousand Watt-hours)	954	Mill Creek Elementary
311426	kWh (thousand Watt-hours)	242	New Haven Elementary
329101	kWh (thousand Watt-hours)	304	Parkade Elementary
1656462	kWh (thousand Watt-hours)	1166	Rock Bridge Elementary
3441	kWh (thousand Watt-hours)	3	Russell Boulevard Elementary
1114889	kWh (thousand Watt-hours)	1045	Shepard Boulevard Elementary
492801	kWh (thousand Watt-hours)	466	Two Mile Prairie Elementary
158282	kWh (thousand Watt-hours)	145	West Boulevard Elementary
1176539	kWh (thousand Watt-hours)	876	Alpha Hart Lewis Elementary
114327	kWh (thousand Watt-hours)	20	Benton Elementary
657488	kWh (thousand Watt-hours)	528	Blue Ridge Elementary
774144	kWh (thousand Watt-hours)	513	Cedar Ridge Elementary
1998299	kWh (thousand Watt-hours)	1380	Derby Ridge Elementary
51393	kWh (thousand Watt-hours)	21	Fairview Elementary
17553	kWh (thousand Watt-hours)	36	Grant Elementary
182586	kWh (thousand Watt-hours)	176	Lee Elementary
581125	kWh (thousand Watt-hours)	374	Mary Paxton Keeley Elementary
1799439	kWh (thousand Watt-hours)	963	Mill Creek Elementary
328564	kWh (thousand Watt-hours)	240	New Haven Elementary
487363	kWh (thousand Watt-hours)	300	Parkade Elementary
2035870	kWh (thousand Watt-hours)	1246	Rock Bridge Elementary
4498	kWh (thousand Watt-hours)	3	Russell Boulevard Elementary
1305454	kWh (thousand Watt-hours)	1043	Shepard Boulevard Elementary
651882	kWh (thousand Watt-hours)	464	Two Mile Prairie Elementary
178327	kWh (thousand Watt-hours)	145	West Boulevard Elementary
659432	kWh (thousand Watt-hours)	877	Alpha Hart Lewis Elementary
101595	kWh (thousand Watt-hours)	19	Benton Elementary
527469	kWh (thousand Watt-hours)	525	Blue Ridge Elementary
812005	kWh (thousand Watt-hours)	517	Cedar Ridge Elementary
1508291	kWh (thousand Watt-hours)	1301	Derby Ridge Elementary
43295	kWh (thousand Watt-hours)	21	Fairview Elementary
17499	kWh (thousand Watt-hours)	26	Grant Elementary
152142	kWh (thousand Watt-hours)	166	Lee Elementary
502177	kWh (thousand Watt-hours)	369	Mary Paxton Keeley Elementary
1575114	kWh (thousand Watt-hours)	950	Mill Creek Elementary
323650	kWh (thousand Watt-hours)	237	New Haven Elementary
305651	kWh (thousand Watt-hours)	296	Parkade Elementary
1790472	kWh (thousand Watt-hours)	1176	Rock Bridge Elementary
4268	kWh (thousand Watt-hours)	3	Russell Boulevard Elementary
1221596	kWh (thousand Watt-hours)	1040	Shepard Boulevard Elementary
544125	kWh (thousand Watt-hours)	462	Two Mile Prairie Elementary

2013 2014 Sheet3

2013 in kBtu	Site_Use_Q1	Site_Use_Q2	Site_Use_Q3	Site_Use_Q4	Annual_Site_Use
School					
Alpha Hart Lewis Elementary	10,866	8,658	11,755	9,092	40,370.14
Benton Elementary	9,465	7,271	10,213	8,047	34,995.41
Blue Ridge Elementary	9,796	7,541	10,516	8,242	36,094.69
Cedar Ridge Elementary	10,512	7,864	11,646	9,958	39,980.82
Derby Ridge Elementary	8,676	7,158	9,776	7,612	33,222.77
Fairview Elementary	5,285	4,144	6,147	4,472	20,147.65
Grant Elementary	7,229	5,714	7,723	6,006	26,514.05
Lee Elementary	16,815	11,527	14,631	13,606	56,577.37
Mary Paxton Keeley Elementary	5,805	4,811	6,884	5,186	22,690.23
Mill Creek Elementary	4,335	3,729	6,375	4,196	18,693.25
New Haven Elementary	32,648	26,229	36,928	37,848	136,836.60
Parkade Elementary	6,289	5,229	7,285	5,529	24,232.02
Rock Bridge Elementary	15,979	13,083	15,145	13,790	57,996.72
Russell Elementary	5,523	4,305	5,957	4,580	20,385.23
Shepard Elementary	10,270	7,612	9,867	8,313	36,061.82
Two Mile Prairie Elementary	13,667	16,000	18,221	13,140	61,028.24
West Blvd Elementary	7,281	6,019	7,957	6,308	27,564.89
	Q1 Breaks	Q2 Breaks	Q3 Breaks	Q4 Breaks	Annual Breaks
					<2000
					2000-29999
					30000-39999
					40000-49999
					50000-59999
					>60000



3



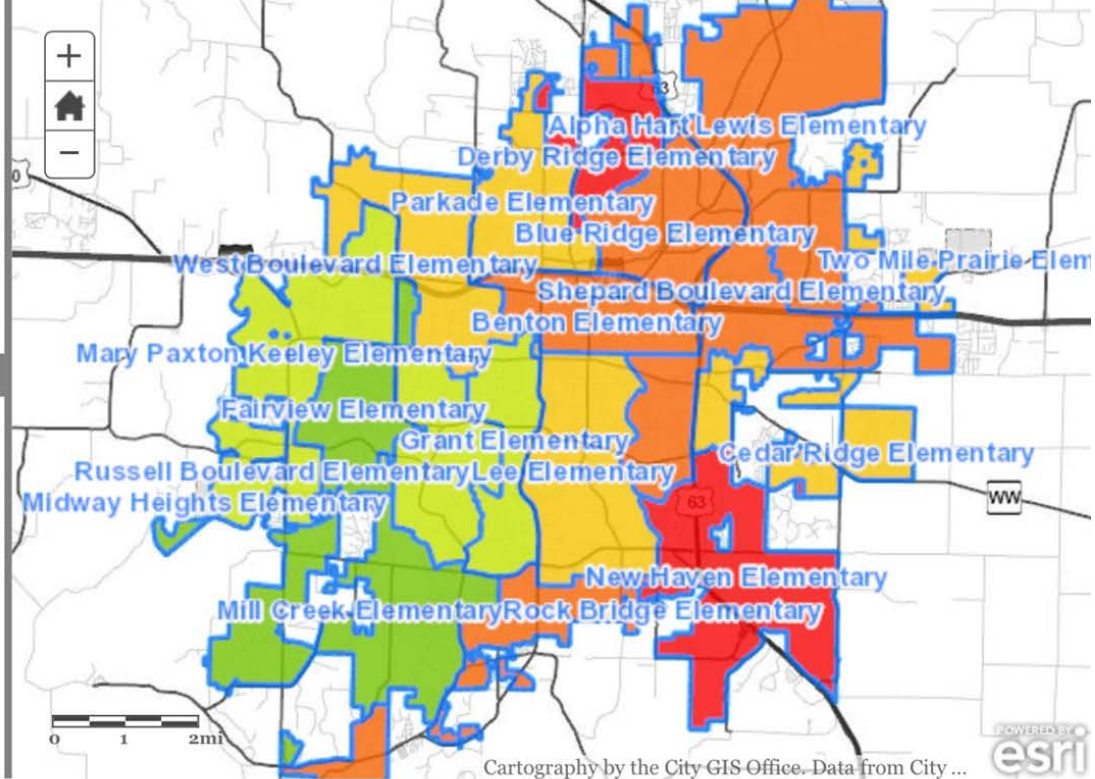
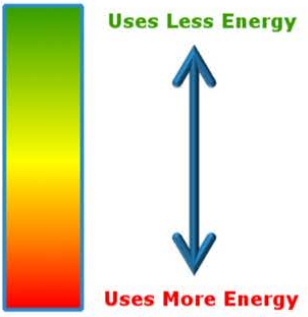
2013 2014 2015

2014 Annual Quarter 4 (Oct-Dec) ... Quarter 3 (July-Sept)... Quarter 2 (April-June... Quarter 1 (Jan-Marc...

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LEGEND



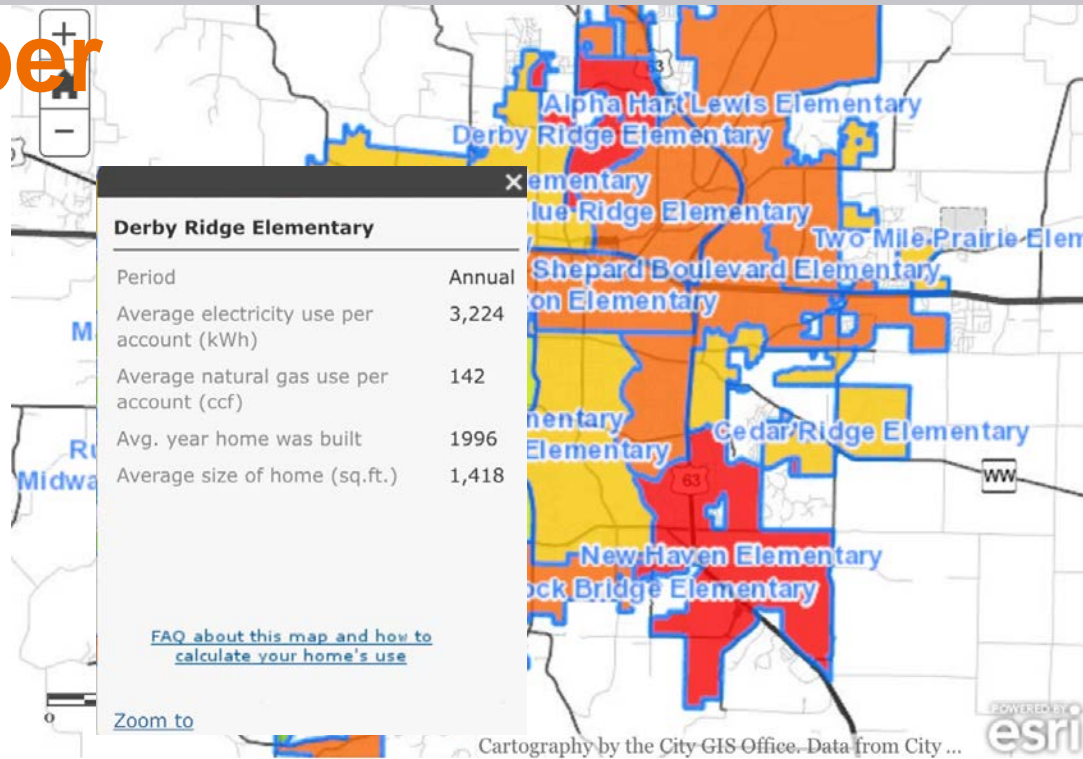
Cartography by the City GIS Office. Data from City ...

# Diving deeper

Analyze

Prioritize

Challenge





# Questions?

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(573) 817-5025

[www.CoMoEnergyChallenge.com](http://www.CoMoEnergyChallenge.com)



# Huntsville, AL



Operation Green Team  
**Earth Day Festival**  
at Hays Nature Preserve  
**April 23rd • 10am - 2pm**

**Butterfly Releases at 11am & 1pm**

Sponsored in part  
by Boeing

**Info: 256-53-CLEAN**



# Visit the Residential Program Solution Center: [energy.gov/rpsc](http://energy.gov/rpsc)

The image shows a screenshot of the Better Buildings Residential Program Solution Center website. The page features a navigation menu on the left with links such as 'Solution Center Home', 'About', 'Handbook Index', 'Quick Links', 'Proven Practices', 'Energy Data Facts', and 'Glossary'. A central graphic displays a compass on a keyboard with the text 'Take a Tour of the Solution Center' and 'Learn how to navigate the Solution Center and access examples, lessons, and other resources for residential energy efficiency programs.' Below this is a section titled 'Explore the Solution Center' with icons for 'Market Position & Business Model', 'Program Design & Customer Experience', and 'Evaluation & Data Collection'. A 'RECENTLY UPDATED RESOURCES' section lists various articles and reports. A process flow diagram on the right illustrates four stages: Strategy Development (target icon), Planning (worker icon), Implementation (checkmarks icon), and Evaluation (magnifying glass icon).

U.S. DEPARTMENT OF ENERGY | Energy Efficiency & Renewable Energy

## Better Buildings Residential Program Solution Center

Take a Tour of the Solution Center  
Learn how to navigate the Solution Center and access examples, lessons, and other resources for residential energy efficiency programs.

Explore the Solution Center

- Market Position & Business Model
- Program Design & Customer Experience
- Evaluation & Data Collection

RECENTLY UPDATED RESOURCES

- Proven Practices: Energy Advisor Services
- What is Green Worth? Unveiling High-Performance Home Premiums in Washington, D.C.
- The Market Valuation of Energy Efficient and Green Certified Residential Homes
- EMV 2.0: Savings Measurement Software for Results in the Field
- High Approaches to Changing Residential Industry Practices: How Energy Efficiency Can Lower Program Costs

Put the widget on your website

Tell me more

Strategy Development

Planning

Implementation

Evaluation

**Better Buildings**<sup>®</sup>  
U.S. DEPARTMENT OF ENERGY

# Explore planning, implementation, & evaluation strategies in the Residential Program Solution Center

- Leverage the lessons learned & experiences from local, regional, and national work in residential energy efficiency
- Minimize trial and error to develop your residential energy efficiency program
- Access a living repository of examples, lessons, and resources





- What is **efargo** ?
- What are our **results** so far?
- What **activities** are happening?
- How can I **connect** with efargo?
- Who are the **people** involved?
- How can I **learn** more?



Waste-a-Watt is an evil character who thrives on energy waste. Help defeat Waste-a-Watt to save energy, \$\$\$ and protect the environment.

PLAY!



The efargo game

ENTER!



The K-12 Challenge

LEARN!



The

# Wrap-up and Look Ahead

## Your Next Big Thing