An Efficient Collaboration



Jim Miller, AEP Ohio Megan Melby, Columbia Gas of Ohio

Today's Topics

- Collaboration
- Evaluation / Insights
- Program Evolution
- Looking Forward

Program Collaboration

Market Overview



AEP Ohio
32% market share
(by meter installations)

Market Overview



Columbia Gas of Ohio 52% market share (by meter installations)

Collaborative Program

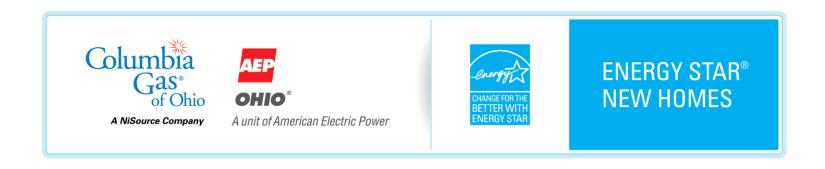
- One of the first-of-its-kind relationships, a cobranded energy efficiency program created by two utilities—launched in 2010
 - One program easier for builders
 - More cost efficiency for AEP Ohio and Columbia
 Gas of Ohio

Program Concept

- Started out by building capacity on the supply side, marketing to:
 - Ohio Builders, Design Professionals and Sub Contractors
 - HERS Raters
- Started forming alliances with
 - U.S. EPA
 - Ohio Home Building (HBAs) and Building Industry (BIAs) Associations
 - Ohio Real Estate Agents

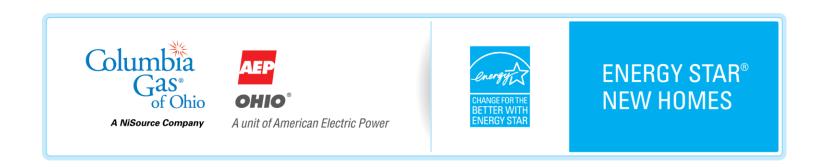
Program Launch Name

- Initial program name and logo launched in 2010
 - "The AEP Ohio/ Columbia Gas of Ohio ENERGY STAR® New Homes Program"
 - Based on ENERGY STAR 2.0, and then 2.0 plus HERS 65



Program Tiers Introduced

- In 2012, created two tiers:
 - ENERGY STAR®
 - Energy Path
 - This tier created to accommodate builders who were not yet ready to reach requirements of ENERGY STAR Version 3.0



Evaluation and Insights

Has Led to Program Evolution

Process Review

- We routinely conduct one-on-one interviews with builders and raters
- Both utilities use independent evaluators to perform annual impact evaluations, which provide recommendations for program improvements
- Program evaluations and builder/rater feedback have provided key-insights

What builders told us in 2013 interviews...

Research

Found that they rarely mentioned the program to their buyers

One reason builders gave was the name length

Internally the builders used several nicknames:

- •The Utility Program
- New Home Program
- Incentive Program





OHIO°
A unit of American Electric Power



ENERGY STAR® NEW HOMES

2013 Participation Levels & Incentives Summary

HERS Score Incentive		70-61	60-51	50-0
	ingle Family			
Columbia Gas of Ohio	ENERGY STAR® Homes	\$575	\$1,225	\$1,625
	Energy Path Homes	\$450	\$1,100	\$1,500
AEP Ohio	ENERGY STAR® Homes	\$425	\$525	\$875
	Energy Path Homes	\$300	\$400	\$ 750
Columbia Gas/AEP	ENERGY STAR® Homes	\$1,000	\$1,750	\$2,500
	Energy Path Homes	\$750	\$1,500	\$2,250

Multi-Single Family Homes	75% per unit of Single Family Incentives (see above)	
Multifamily Homes	Custom incentive per project	

Note: All electric homes in AEP territory are eligible for the same incentive as a duel-fuel home in combined territory

Energy Path Homes

Homes compliant with maximum HERS scores as noted in the chart above and with requirements noted below:

- All ENERGY STAR v2.0 requirements including the Thermal Bypass Checklist
- ENERGY STAR qualified central heat with minimum 92 AFUE furnace, 85 AFUE boiler or 8.5 HSPF heat pump. Note: Furnace and heat pump efficiency thresholds are higher than minimum ENERGY STAR
- All supplies and returns tested at ≤ 6 CFM₂₅ to outside per 100 sq. ft. of conditioned floor area
- · HVAC installation compliant with program checklist including:
- Manual I, S & D
- Direct or power vented space and domestic hot water heating combustion appliances if located within the pressure boundary
- ENERGY STAR, ASHRAE 62.2 compliant mechanical ventilation²
- . Maximum 5.0 ACH50 building envelope air leakage
- ENERGY STAR qualified CFLs, LEDs, or pin-based lighting in 80% of fixtures
- · All ENERGY STAR qualified appliances if supplied by builder

ENERGY STAR Homes

- ENERGY STAR v3.0 compliant, including site specific HERS target and all checklists and requirements for HVAC installation³, envelope and duct tightness
- ENERGY STAR qualified central A/C or heat pump (includes ductless mini-splits and packaged units)
- ENERGY STAR qualified central heat with minimum 92 AFUE furnace, 85 AFUE boiler or 8.5 HSPF heat pump.
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Call 1-877-771-5506 or email ESHomesOH@MaGrann.com

Research

Another reason builders gave for not mentioning the name—they were uncomfortable marketing under an ENERGY STAR banner if some or all of their homes met Tier 1 requirements, but were not ENERGY STAR Certified







ENERGY STAR®

A NiSource Company

A unit of American Electric Power

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So, we planned a new name launch for 2014...

Program Name Change

 With feedback from builders, the program name was shortened and became more neutral:



Sponsored by AEP Ohio and Columbia Gas of Ohio

Program Name Evolution

- Also in 2014 the two tiers became known as:
 - EfficiencyCrafted
 - EfficiencyCrafted Plus
 - EfficiencyCrafted Plus represented ENERGY STAR Certified
 - And, with additional requirements that heating and air conditioning systems be ENERGY STAR labeled

What builders told us in our 2014 evaluations...

Program Builders Said

- Program fundamentals are strong
 - Areas identified for improvement linked to process tweaks rather than technical standards, QA or incentives (which at that point we had not reduced)
 - Program builders are demonstrating an ability to drive for higher performance and institutionalize upgrades

Participating Builders Also Said

- They enrolled in the program for the rebate dollars, but rate external recognition and marketing as a strong benefit of the program
- Feel AEP Ohio and Columbia Gas of Ohio brand names add credibility
- And also said that their customers had growing interest in energy efficiency

Well, a lot of times it is just the stereotype of the big bad builder, and verifying that it is from a third party and a third party that everyone recognizes, AEP and Columbia Gas, makes them [buyers] a little more comfortable with it. That we are being held to a standard that we are not making up on our own [can give buyers confidence].

...Ten years ago...if they liked the floor plan and the square footage price was right then they really didn't care if it was ENERGY STAR. Now with all the information that is out there, absolutely. These homeowners are definitely wanting it and if you are not doing it you are missing out on a huge chunk of opportunity, because most customers are definitely wanting that rating because they see the benefits of it. //

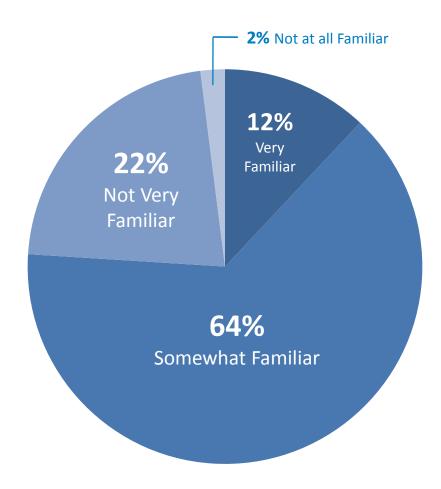
Program Builders Also Said

 That their own knowledge of energy efficient features, and the ability of their sales team to explain HERS scores, was low. It is not a priority to a number of them [our sales staff] because a lot of our homes sell because of the aesthetics of the home...Right now it mostly only comes up if the homeowner asks the question

In 2014 We Asked for Consumer Feedback

Homebuyer Awareness

High familiarity with the ENERGY STAR brand for homes



Homebuyer Awareness

60% had heard of our ENERGY STAR New Homes Program

40%

were not aware that they had bought a program home

[The home being certified] wasn't really a factor in deciding to buy the house.

Buyers don't seem to be correlating benefits with energy efficiency or the program...

It was a part of the overall package, but it wasn't the top [priority].

I just never thought of it before.

...but when consumers are prompted...

It's quiet, maintains the temperature well, and is well designed for everyday use.

The temperature and comfort have been well regulated and cozy.

It's a very nice home and it's well built.

Even though our house is three times as large as our last home, our bill has not gone up.

The bills have actually been surprisingly lower with the size of the home that I have.

It (energy bill)
is a lot lower than
it was in
my old house.

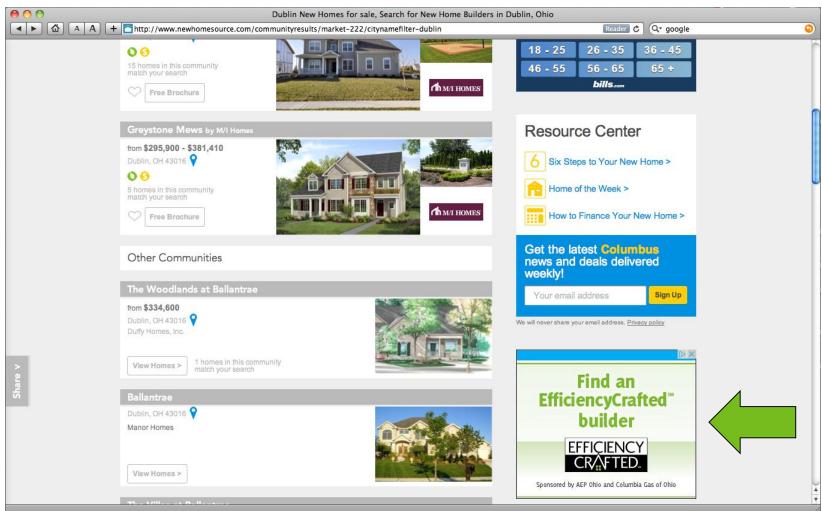
Builders Can't Be Only Messengers

- Relying only on builders to communicate energy efficiency may have reached the limit of its potential
- We realized we needed more consumer marketing to drive demand, to take the program to the next plateau

Repositioning of the Brand

- In addition to the new program name in 2014, we also began a new identity campaign aimed at consumers
 - A digital campaign aimed at consumers looking for a new home
- Created a consumer website:
 EfficiencyCraftedHomes.com
- And offered co-branding opportunities for builders

Consumer Digital Campaign



EfficiencyCraftedHomes.com



Builder Marketing Opportunities



EfficiencyCrafted[™] Marketing Materials Guidelines

Welcome

EfficiencyCrafted* is the new name for the new homes program sponsored by Columbia Gas of Ohio and AEP Ohio for approved Ohio builders. It provides assistance in building homes above code for energy efficiency.

The EfficiencyCrafted New Homes program name replaces the previous name for the program, which was: AEP Ohio / Columbia Gas of Ohio ENERGY STAR® New Homes Program.

The program will be referred to in consumer advertising and communications as: Efficiency Crafted. The goal of one program name to consumers, is to reduce the overall confusion caused by a very long former name with multiple tiers.

For builders, the program's name encompasses two participation levels: "EfficiencyCrafted" (replacing "Energy Path") and "EfficiencyCrafted Plus" (replacing "ENERGY STAR"). Builders should communicate to their customer their homes' energy efficiency features and benefits.

For questions relating to the following opportunities and guidelines for EfficiencyCrafted marketing materials, please contact Vickie Easterday at 614-358-2132 or easterday@burkholderflint.com



More Review and Improvement in 2015

Tier Simplification

- To remove our program barrier of builders getting to ENERGY STAR Certified, we elected to remove the additional requirements we had put on that tier
- To better capitalize on the name recognition of the ENERGY STAR brand, the top tier became known as EfficiencyCrafted Plus ENERGY STAR Certified

Both Tier Names Stay in Front of All Builders

2015 Participation Levels & Incentives Summary

HERS Score Incentive ¹		70-61	60-51	50-0
Single Family				
Columbia Gas/AEP	EfficiencyCrafted®	\$250	\$1,050	\$1,700
	ENERGY STAR® Certified	\$350	\$1,300	\$2,150
Columbia Gas of Ohio	EfficiencyCrafted®	\$150	\$700	\$1,175
	ENERGY STAR® Certified	\$200	\$800	\$1,275
AEP Ohio (Non-Electric Heat)	EfficiencyCrafted®	\$100	\$350	\$525
	ENERGY STAR® Certified	\$150	\$500	\$875
AEP Ohio (All-Electric)	EfficiencyCrafted®	\$200	\$850	\$1,175
	ENERGY STAR® Certified	\$300	\$950	\$1,275

Multi-Single Family Homes	75% per unit of Single Family incentives (see above)	
Multifamily Homes	Custom incentive per project	

ENERGY STAR Certified Promoted to Program Builders

We provide space to ENERGY STAR in our newsletter to Builders and Raters EfficiencyCrafted - AEP Ohio/Columbia Gas of Ohio

7/23/15, 4:38 PM



Guest Column ENERGY STAR® Is Easier than Ever with Revision 08



By Ben Bunker ICF International in support of ENERGY STAR

EPA's ENERGY STAR Certified Homes Program is excited to announce the release of Revision 08. The goal of Revision 08 is to reduce the administrative burden on participating builders, Raters, and HVAC contractors and to streamline the workflow associated with building a certified home. Revision 08 also includes changes to the Rater's oversight

responsibilities in regards to HVAC contractors. These changes are based on extensive feedback from partners like you around the country. Below are details about how these changes impact participating EfficiencyCrafted® Homes program participants.

Less Paperwork

It goes without saying that there are few people who enjoy completing, submitting, or collecting program documentation (although it is certainly a critical component of any third-party verified program). There comes a point at which documentation loses its value as means of verification and becomes a burden on program participants. EPA received substantial feedback from partners to this effect and decided to change the documentation collection requirements in Revision 08.

Raters will no longer collect the following documents from HVAC designers and contractors: full load calculations, AHRI certificates, test and balancing reports, and the HVAC System Commissioning Checklist. Instead, Raters only need to collect a simplified ENERGY STAR HVAC Design Report. HVAC contractors must still be able to produce documents on demand and are required to complete the Commissioning Checklist, however, they will not have to submit them to the Rater (more on this later). Raters will also still perform an onsite inspection of the HVAC equipment installed in every certified home using the Rater Field Inspection Checklist.

Builders will no longer be required to complete a Water Management System Builder Checklist and this checklist will no longer be collected by Raters. EPA felt that most, if not all, of these items were required by code in most jurisdictions around the country and that it could provide more value than enforcing code (especially items not directly related to energy use). Instead of completing a checklist, builders will be responsible for adhering to the Water Management System Builder Requirements that include all of the same critical details. While this may seem like semantics to some, it further lowers the burden on program participants saving both time and money.

Events Calendar

Volume 4 - Issue 1

IUL ENERGY STA

ENERGY STAR Certified Homes Revision 08 for Builders

Attend this webinar to learn more about the latest improvements to the program, called Revision 08. Revision 08 significantly reduces the paperwork and streamlines the certification process, making it easier than ever to certify a home under v3 or v3.1 of the program. 2:00pm-3:00pm Click here to register

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BIA of Central Ohio
Parksite Muddy Boots Seminar
Series—Understanding PolyAsh Trim and Other Exterior
Trim Categories

BIA Office Suburban Steel Supply Training

11:30am-1:00pm

Conservation
Conversation

Damper Check

One of the less obvious sources for air leaks in a home is an open fireplace damper—particularly in the summer time. Make sure they're closed when not in use.

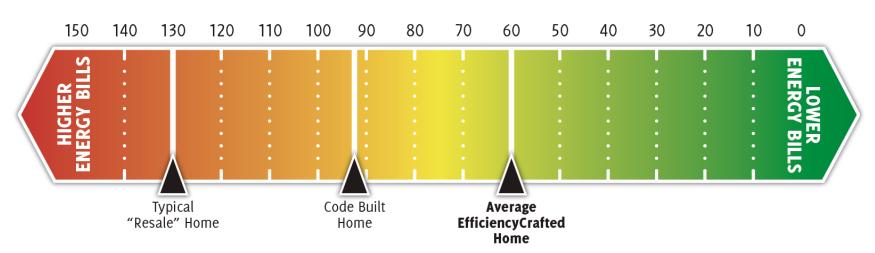
http://www.efficiencycraftedhomes.com/htmlemail/craft_vol4_iss1/index_dv.html

Page 1 of 8

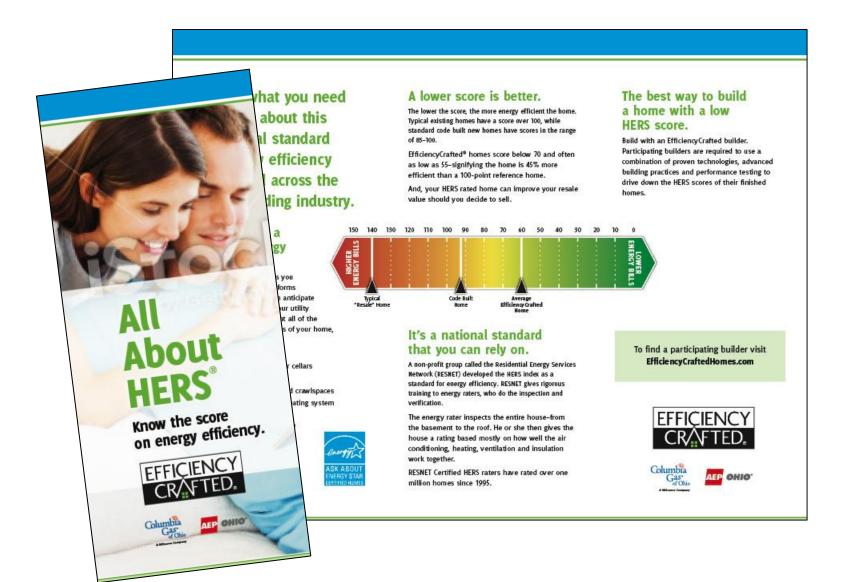
Consumers

 When we reach out to consumers we talk about the meaning of HERS score

Home Energy Rating System



EfficiencyCrafted HERS® Brochure



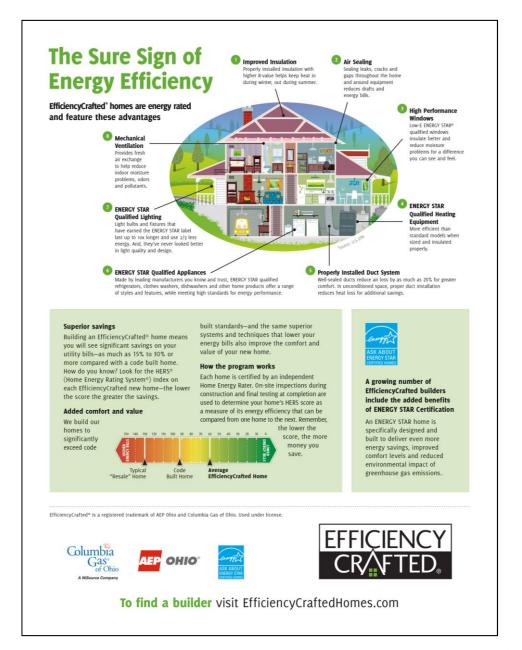
Consumers

- We also include the "ASK About ENERGY STAR Certified Homes" logo
 - It works for all builders and promotes more participation at the ENERGY STAR level

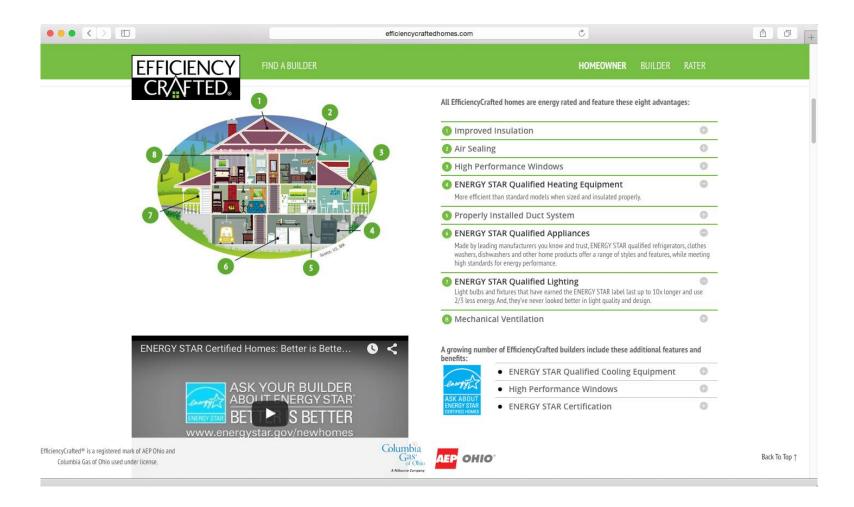


Collateral Example

We now tell the EfficiencyCrafted story in a way that supports all builders in the program



EfficiencyCrafted Website



Tradeshow Booth



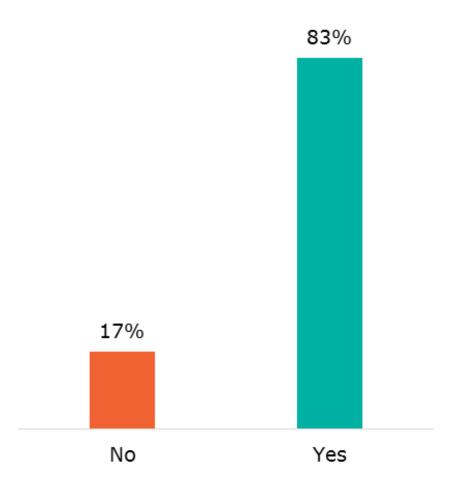
What Recent 2015 Research Tells Us...

Making Progress in 2015

More customers know they are living in an EfficiencyCrafted home:

40% in 2014 83% in 2015

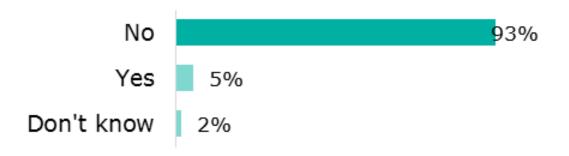
Before this call, were you aware that your home is an EfficiencyCrafted Home? (n=70)



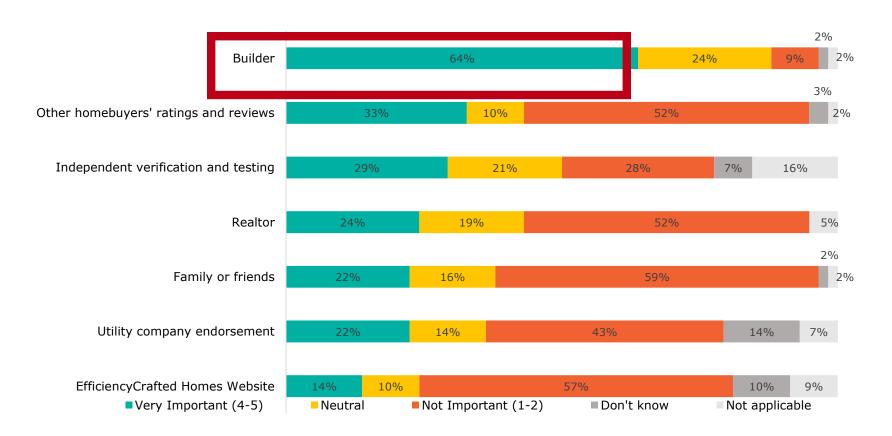
More Work Needed for Who Sponsors

Consumers do not recognize AEP Ohio and Columbia Gas of Ohio involvement

Are you aware of who sponsors the EfficiencyCrafted Homes program? (n=57)

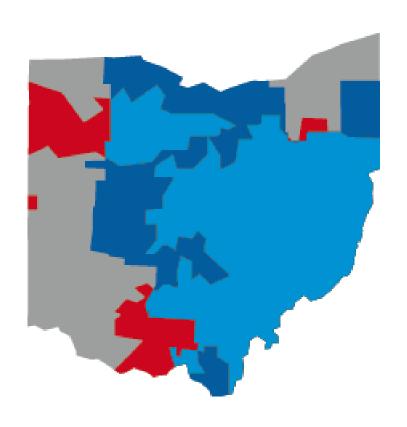


Builder Is Still Key to Learning about Energy Efficient Homes



Moving Forward...

Now 9,258 Program Homes in Our Combined Territory



- ENERGY STAR Certified:
 51%
- Average HERS score 60

- Overlapping
- AEP Ohio
- Columbia Gas of Ohio

Currently Planning our 4th Annual Recognition Lunch



Communication with Builders Continues to be Important

- Their input has strengthened the program
- Although the program name and the two tier names have gone through more than one metamorphosis, the builders and raters are pleased with the program and its evolution
 - One are of change they don't want is to have incentives decreased more

We Know More Work Needed for Co-branding

- Builders like the name and logo
- They like the fit with ENERGY STAR Certified
- But, while builders say they want to co-brand, most haven't if there is a cost involved
- A re-launch and updated Marketing Guide and Toolkit planned for 2016

Other Challenges Getting Builders to Co-brand

Some program builders have branded their own program name...



Program Objectives for 2016

- Continue to leverage HERS scores to drive performance improvement
- Have more new homes adopt ENERGY STAR®
 Certified—the nationally recognized label for efficiency
- Use marketing to grow program participation by driving demand

Continue Consumer Advertising

- Digital, print, radio
- Parade of Homes promotion



Thank You Questions / Discussion