

DOE Zero Energy Ready Home

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



Housing Innovation Awards
Application Process

Tuesday, April 26 2016

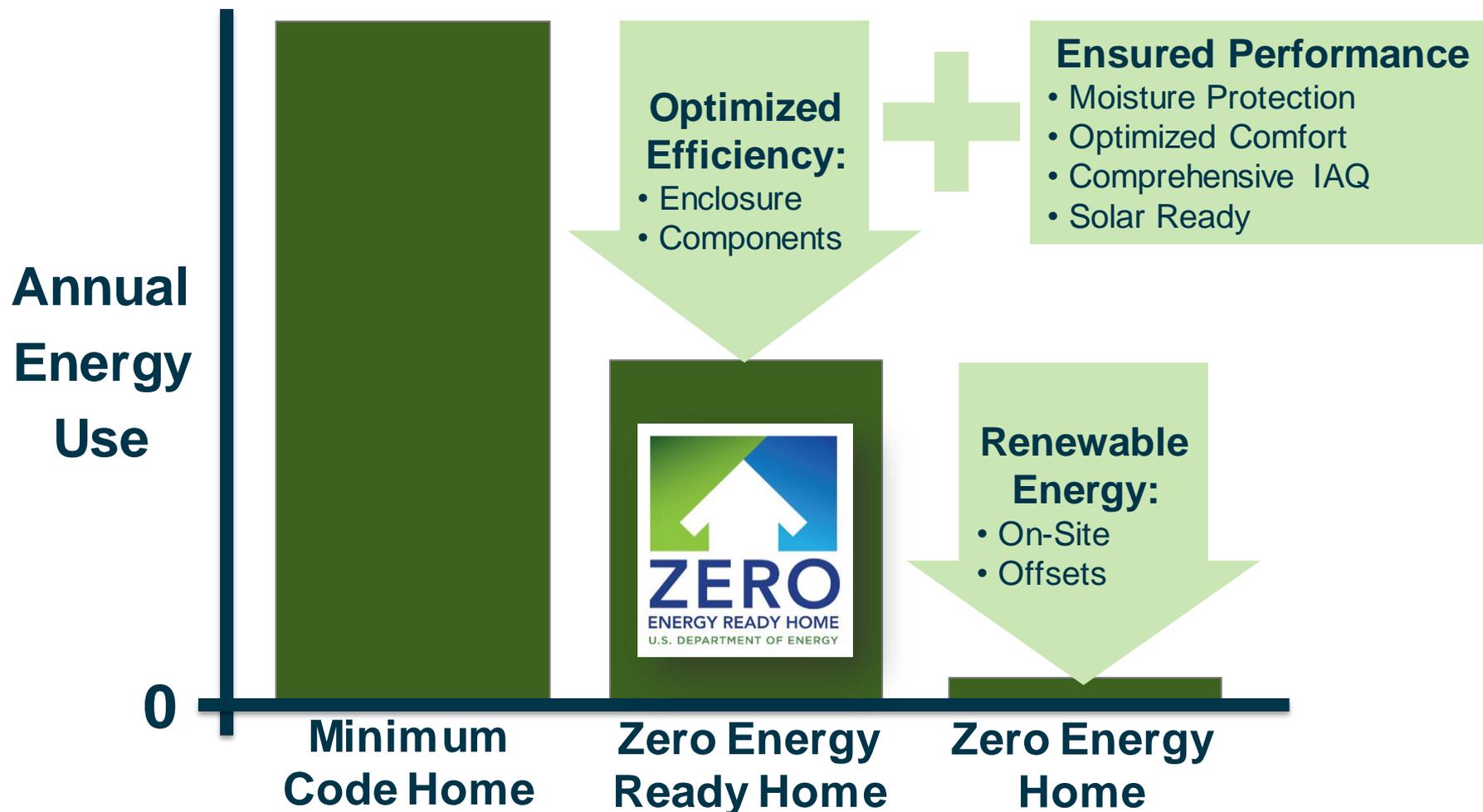
2:00-3:00 pm



Zero Energy Ready Home

Recognition is a 'System'

How Do We Tell Consumers This Story?





Zero Energy Ready Home: **The Experts' Choice**

Making the Largest Purchase of a Lifetime
Just Got Easier



You Have One Opportunity

During Construction to Get Your Home Right

Your enjoyment living in a new home will depend on a wide array of technologies and construction methods that are out-of-sight and often cost-prohibitive to add after the fact.





Zero Energy Ready Home

is the Choice of Experts

Leading experts polled would overwhelmingly choose a Zero Energy Ready Home knowing they include seven must-have systems that help ensure a better living experience.





Seven Must-Have Systems

Are Included in Every Zero Energy Ready Home



Optimized Thermal Protection



Comprehensive Indoor Air Quality



Whole-House Water Protection



Solar-Ready Construction



High-Performance Heating and Cooling



Enhanced Quality Assurance



High-Efficiency Components



Here's why...

Home » Residential Buildings » Zero Energy Ready Home » DOE Tour of Zero

DOE TOUR OF ZERO

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Are you ready for a home that lives, works, and lasts better? The home of the future - **a better home** - is available today. Take a virtual tour of homes that are so energy efficient a renewable energy system can offset all or most of their annual energy consumption. These award-winning homes are independently certified to meet DOE Zero Energy Ready Home **guidelines** and constructed by a select group of **top builders**. Zero Energy Ready Home is part of the U.S. Department of Energy's Better Buildings initiative. Better Buildings aims to make commercial, industrial, public, and residential buildings 20 percent more energy efficient over the next decade.



Search:

Showing 1 to 25 of 35 entries (filtered from 77 total entries) Show entries

TOUR THESE HOMES	BUILDER	LOCATION	HIA WINNER	CLIMATE ZONE
Fishers Circle	Amaris Homes	Maplewood, MN	2015	COLD / VERY COLD
Eco-Village Ithaca	AquaZephyr	Ithaca, NY	2014	COLD / VERY COLD
ZED 2	Boulder ZED Design Build	Boulder, CO		COLD / VERY COLD
Candlewood Hills Rebuild	BPC Green Builders	Wilton, CT	2013	COLD / VERY COLD
Taft School	BPC Green Builders	Wilton, CT	2015	COLD / VERY COLD
Lakeside Cottage	BPC Green Builders	Wilton, CT	2014	COLD / VERY COLD

DOE TOUR OF ZERO: CHAMBERLAIN COURT #75 BY HIGH PERFORMANCE HOMES



“WE WERE ATTRACTED TO THE HOME BY THE FACT THAT IT HAD A COMPLETE HIGH-PERFORMANCE PACKAGE -- HIGH ENERGY EFFICIENCY, HIGH WATER EFFICIENCY, AIR FILTRATION FOR INDOOR AIR QUALITY.”

High Performance Homes

Chamberlain Court #75
Gettysburg, PA
hphpa.com

“We were attracted to the home by the fact that it had a complete high-performance package – high energy efficiency, high water efficiency, air filtration for indoor air quality. We had thought about energy efficiency quite a bit over the years ... but we didn’t know of any builders who were building energy-efficient homes. Then we ran across High Performance Homes’ displays at the Links. The SIP panels make the home very structurally sound and make a very energy-efficient building envelope for the house. All I’ve had to pay for is the distribution charges.”

– Homeowner in neighborhood



KEY FEATURES

- High-performance insulation system for enhanced quiet and comfort
- Comprehensive draft protection
- Fresh air system for cleaner, healthier indoor air
- High-efficiency comfort system
- High-efficiency appliances and advanced lighting technology for energy and water savings

[Read more.](#)



[More ...](#)

[Meet the Builder](#)

6,869 ft²

4 bedrm, 4.5 bath
2 floors + bsmt
cold

HERS 23

This home's score w/PV

0 = a net zero energy home
100 = typical new code home
130 = average existing home

\$163

Average monthly energy bill*

\$3,895 saved per year*
\$165,655 saved over 30-yr mortgage**

*calculated vs 2009 IECC; **calculated with fuel escalation rate per 2014 EIA Annual Energy Outlook

Homes to the Power of **ZERO**



What is the DOE Zero Energy Ready Home™ Label?

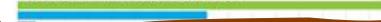
It is a Symbol of Excellence for energy savings, comfort, health, quality, and durability met by a select group of leading builders meeting U.S. Department of Energy Guidelines.

What is a Zero Energy Ready Home?

It is a high-performance home so energy efficient, all or most annual energy consumption can be offset with renewable energy. In other words, it is the Home of the Future.

A Symbol of Excellence

HEALTHFUL ENVIRONMENT



COMFORT PLUS



ADVANCED TECHNOLOGY



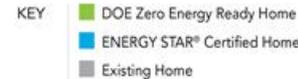
ULTRA EFFICIENT



QUALITY BUILT



DURABILITY

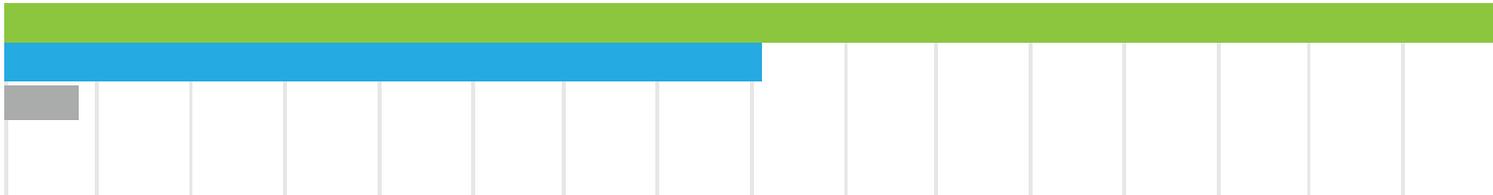


This graphic comparison chart demonstrates relative performance of this DOE Zero Energy Ready Home to existing homes (built between 1990 and 2010) and ENERGY STAR Certified Homes. Actual performance may vary.



303-231-4567
NewTown@net.com
123 Main Street, Denver, CO 34567

HEALTHFUL ENVIRONMENT



- KEY**
-  DOE Zero Energy Ready Home
 -  ENERGY STAR Home
 -  Existing Home

This label indicates relative performance of this DOE Zero Energy Ready Home to existing homes (built between 1990 and 2010) and ENERGY STAR qualified homes. Actual performance may vary.



U.S. DEPARTMENT OF
ENERGY

Translating ZERH Value with Clarity



A Symbol of Excellence
Every Zero Energy Ready Home offers a cost-effective, high performance package of energy savings, comfort, health, and durability unparalleled in today's marketplace.



Lives Better

HEALTHFUL ENVIRONMENT

Every DOE Zero Energy Ready Home has a comprehensive package of measures to minimize dangerous pollutants, provide continuous fresh air, and effectively filter the air you breathe.

COMFORT PLUS

Superior insulation, windows, air sealing and space conditioning systems included in every DOE Zero Energy Ready Home surround you with even temperatures, low-humidity, and quiet in every room on every floor.

KEY

- DOE Zero Energy Ready Home
- ENERGY STAR Certified Home
- Existing Home



Works Better

ADVANCED TECHNOLOGY

Every DOE Zero Energy Ready Home begins with solid building science specified by ENERGY STAR for Homes, and then adds advanced technologies and practices from DOE's world-class research program, Building America.

ULTRA EFFICIENT

Compared to a typical home, an ultra efficient Zero Energy Ready Home is inexpensive to own. In fact, every DOE Zero Energy Ready Home is so energy efficient, a small solar electric system can easily offset most, or all, of your annual energy consumption. We call this Zero Net-Energy Ready.



Lasts Better

QUALITY BUILT

Advanced construction practices and technologies are specified for every DOE Zero Energy Ready Home. Then they are enforced by independent verifiers with detailed checklists and prescribed diagnostics.

DURABILITY

The advanced levels of energy savings, comfort, health, durability, quality and future performance in every DOE Zero Energy Ready Home provide value that will stand the test of time, and will meet and exceed forthcoming code requirements.

LEARN MORE AT: buildings.energy.gov/zero

The Future of Housing—Today

Only a select group of the top builders in the country meet the extraordinary levels of excellence and quality specified by U.S. Department of Energy guidelines.



A Symbol of Excellence

HEALTHFUL ENVIRONMENT

COMFORT PLUS

ADVANCED TECHNOLOGY

ULTRA EFFICIENT

QUALITY BUILT

DURABILITY

KEY

- DOE Zero Energy Ready Home
- ENERGY STAR Certified Home
- Existing Home

This label indicates relative performance of this DOE Zero Energy Ready Home to existing homes (built between 1990 and 2010) and ENERGY STAR Certified Homes. Actual performance may vary.

LEARN MORE AT:
buildings.energy.gov/zero

Front Cover

Inside Spread

Flap

Back Cover



Photo Credit: Randy Martin



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Michigan's Most Respected Builder

CONTACT US



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Office: (989) 692-0140

Fax: (989) 692-0142

Design Studio Address:

5474 Garfield Rd
Suite 2
Saginaw, MI 48603
MAP

Mailing Address:

P.O. Box 604
Freeland, MI 48623
EMAIL

Leveraging the Awards



Dwell Development @dwelldbseattle · Oct 18

Read our DOE case study on the Reclaimed Modern! bit.ly/1X9qI5U #2015HIA



ZER
ENERGY READY
U.S. DEPARTMENT
HOUSING INNOVATION
WINNER



Charles Thomas Homes

October 7 · 🌐

Check out our case study on the US Department of Energy's website. This model home is for sale now too. Don't miss it!

<http://energy.gov/.../doe-tour-zero-anna-model-charles-thomas...> ✓

DOE Tour of Zero: Anna Model by Charles Thomas Homes
| Department of Energy ✓

Charles Thomas Homes built this 4,353-square-foot custom home in Omaha, Nebraska, to the performance criteria of the U.S. Department of Energy Zero Energy Ready Home (ZERH) program.

ENERGY.GOV



United Way of Long Island added 2 new photos — with Theresa Regnante and 2 others.

21 hrs · 🌐

The U.S. Department of Energy presented its top Housing Innovation award to United Way of Long Island during the Energy and Environmental Building Alliance's Excellence in Building Conference in Denver, CO this month. As Grand Winner in the 'Affordable Category', United Way of Long Island was recognized as an organization that is building and investing in energy efficient affordable housing at a low cost of production with cost savings that are passed on to the residents. This is the first time this award has ever been presented to a Long Island builder or nonprofit organization. To learn more about the project and to take a virtual tour, please visit <http://energy.gov/eere/buildings/doe-tour-zero>



Leveraging the Awards

thrive HOME BUILDERS **NEW TOWN** ...evolved

Find Your New Home | Energy Efficient Living | Colorado's Builder | Design Studio | Customer Care & Warranty | Contact Us

Sign In | Register

Home | Energy Efficient Living | Beyond Energy Star - Zero Energy Ready

Beyond Energy Star - Zero Energy Ready Certified Homes



"Zero Energy Ready homes are the future of US housing, and innovators like New Town Builders are leading the way for the entire industry. Zero Energy Ready homes provide a vastly superior homeowner experience at a lower ownership cost - and an experience that all Americans should want in their next home."



Mantell-Hecathorn Builders, Inc. added 2 new photos — with Hunter Mantell-Hecathorn and GregTara Mantell-Hecathorn.

October 19 at 1:29pm · 🌐

We are proud to have received our U.S. Department of Energy 2015 Housing Innovation Award at the Energy & Environmental Building Alliance (EEBA) Conference!

"M-H Builders' leadership is "paving the way for the rest of the U.S. housing industry to provide zero energy ready homes that are better for our nation, our communities, and individual homeowners". This award recognizes the very best in innovation on the path to zero energy ready homes."

-Samuel Rashkin, Chief Architect at the U.S. Dept. of Energy's Building Technologies Office



Addison Homes

October 21 at 4:01pm · 🌐

Want to see the home of the future -- today? Take the Department of Energy's "Tour of Zero," a virtual look at some innovative Zero Energy Ready Homes that live, work and last better than a typical new home. Addison's Cobblestone project is part of the tour; visit our blog <http://addison-homes.com/tour-of-zero-offers-virtual-look-.../> ✓ for more details.



DOE Tour of Zero: Cobler Lane by Addison Homes | Department of Energy ✓

Addison Homes built this 4,530-square-foot home in Simpsonville, South Carolina, to the performance criteria of the U.S. Department of Energy Zero Energy Ready...

ENERGY.GOV

1. Download Application Form
2. Complete Application Form and Compile Supporting Materials
3. Log in to your DOE Zero Energy Ready Home Profile
4. Begin application
5. Upload Application Form and All supporting Materials
6. Don't forget to press "Submit"

- **Custom for Buyer**
- **Custom Spec**
- **Production Homes**
- **Multi-Family**
- **Affordable**

4 or MORE
Since June
2015

Awards



Winners Notified End of June

Grand Awards



Photo Credit: Randy Martin

Grand Winners Revealed at EEBA in Dallas, September

- Can I apply if my home is not a Certified DOE Zero Energy Ready Home?
- Can I apply for a home that is not finished?
- Can I use my own format?
- Do I have to answer all of the required sections?
- Where do I upload my application?
- My files won't upload – What do I do?

- Applications started and never submitted
- Required areas of the application not completed
- Unresponsive or minimally responsive answers
- Irrelevant pictures
- Not enough pictures to adequately depict home
- Limited construction detail on unique systems, materials or methods
- Missing the chance to tell your success story
- Not asking staff for help

Joe Nebbia

Newport Partners LLC

DOE Zero Energy Ready Home Staff

zero@newportpartnersllc.com

301-889-0017