

Zero Energy & Zero Energy Ready



earth
advantage.
HOME
CERTIFICATION

What is Zero Energy Certification?

Earth Advantage defines Zero Energy as a home that generates as much energy on site as it uses over the course of each year.

What is Zero Energy Ready?

Earth Advantage Zero Energy Ready homes must meet the same specifications for Zero Energy less the actual renewable energy systems. Zero Energy requires proper roof orientation, roof pitch, and roof area as well as EPA solar-ready compliance.



What are the Zero Energy certification requirements?

- > Earth Advantage Platinum certification required – ensures all five pillars of sustainability are met
- > The threshold for Zero Energy will be determined using Rem/Rate™ energy modeling annual total energy consumption figures and assumes normal homeowner behavior and occupancy

How is a Zero Energy home recognized?

A custom bamboo plaque and two certificates (one for the builder, one for the homeowner)

What does Earth Advantage provide builders and design teams to assist in the successful completion of a Zero Energy Home?

An Earth Advantage green building consultant will provide consultation through in-depth energy modeling and blower door testing

For more information:

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How Zero Energy certification is achieved?

STEP 1 Efficient Use of Space		Design small with low surface-to-volume ratios, consider unconditioned storage space	Earth Advantage Zero Energy Ready Earth Advantage Zero Energy
STEP 2 High-Performance Shell		Integrated air barrier design, High R-values, and low U-values on all "six" sides	
STEP 3 Right-Sized Mechanical Systems		Install high-efficiency systems and efficient delivery systems (duct work inside is a must)	
STEP 4 High-Efficiency Appliances + Lighting		Use ENERGY STAR® rated appliances and consider LED lighting	
STEP 5 Renewable Systems		Sized to meet the load (PV and solar thermal most common)	