

About Earth Advantage Net Zero & Net Zero Ready








What is EA Net Zero?

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

What is EA Net Zero Ready?

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

How is EA Net Zero achieved?

STEP 1 Efficient Use of Space		Design small with low surface-to-volume ratios, consider unconditioned storage space	EA Net Zero Ready
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 equipment and fixtures	
STEP 5 Renewable Systems		Sized to meet the load (PV and solar thermal most common)	

What are the EA Net Zero certification requirements?

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

How is an EA Net Zero 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 an EA Net Zero Home?

An Earth Advantage green building consultant will provide consultation through in-depth energy modelling and two blower door tests

Contact Ryan Shanahan, Green Building Consultant and EA Net Zero certification lead for more information. Call 971-344-7227 or email rshanahan@earthadvantage.org