

ENERGY STAR Programs for Manufactured Homes



ENERGY STAR Manufactured Housing – NC Update - Lee F. Ball Jr. – 11-16-07



Upgrade and Save



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Rebate Program for ENERGY STAR Manufactured Homes Tennessee Valley Authority's Service Area

The Manufactured Housing Research Alliance (MHRA) will pay retailers and community owners a **\$400** rebate for each new electrically-heated ENERGY STAR qualified manufactured home they sell within the Tennessee Valley Authority's (TVA) seven-state service area. TVA also has a companion program that provides a **\$300** incentive to the equipment supplier to buy down the cost of a heat pump, a main component of ENERGY STAR construction (for electrically-heated homes).




The most common **ENERGY STAR** upgrade requirements.

- Programmable thermostat
- Marriage line seal
- R-8 crossover duct (some have loop duct)
- Low-E windows
- ENERGY STAR appliances
- Increased R-value (R22, R11, R30)
- 2 x 6 walls (\$1000.00 - \$1500.00)




ENERGY STAR Tax Credits

- There is also a \$1,000 tax credit to the producer of a new manufactured home achieving 30 percent energy savings for heating and cooling over the 2004 IECC and supplements (at least 1/3 of the savings must come from building envelope improvements), or a manufactured home meeting the [requirements](#) established by EPA under the ENERGY STAR program.
- Extended through December 2008



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Getting Started with ENERGY STAR Qualified Manufactured Homes

ENERGY STAR's guidelines for manufactured homes affords the manufactured housing industry a unique opportunity to extend the advantages of controlled-environment factory production to include exemplary energy performance. Our guidelines provide information on designing, producing, selling, and installing energy-efficient manufactured homes under the ENERGY STAR program.

Guidelines for Plants

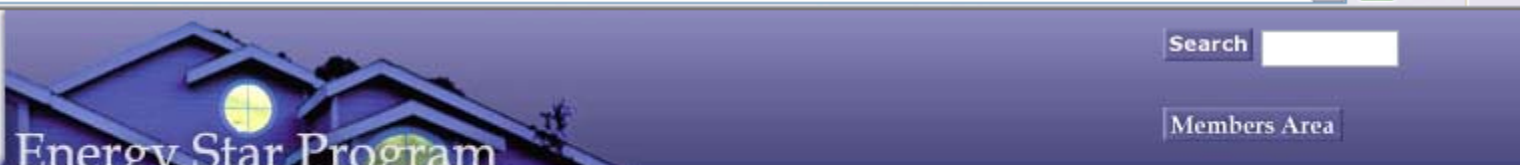
A manufactured home is a home built in a factory meeting the federal Manufactured Home Construction and Safety Standards, commonly referred to as the HUD Code. An ENERGY STAR qualified manufactured home is a home that has been designed, produced, and installed in accordance with ENERGY STAR's guidelines by an ENERGY STAR certified plant.

[Learn more about ENERGY STAR's guidelines for plants.](#)

Plants are encouraged to take advantage of [co-marketing opportunities](#) available with ENERGY STAR, as well as [become an ENERGY STAR partner](#).

Guidelines for Retailers, Installers, HVAC Contractors

Retailers and installers (including HVAC contractors) of manufactured homes play a critical role in educating homebuyers about the benefits of ENERGY STAR qualified homes and assuring that these homes are properly installed. The Manufactured Housing Research Alliance (MHRA) has developed a booklet titled [ENERGY STAR Qualified Manufactured Homes: Guide for Retailers](#) EXIT ↕ (with instructions for installers



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About ENERGY STAR

ENERGY STAR is a nationally recognized, voluntary labeling program designed to identify and promote energy-efficient products, new homes and buildings to consumers and business owners across the United States. Initiated by the US Environmental Protection Agency (EPA) in 1992, ENERGY STAR is now a joint effort of EPA and the US Department of Energy. EPA is responsible for administering the ENERGY STAR label for homes.

An ENERGY STAR qualified home is significantly more energy efficient in its heating, cooling, and water heating than a comparable standard code home. This increased level of energy efficiency can be met using standard technologies and manufacturing practices by successfully integrating three key home components:


- An energy-efficient building envelope (e.g., effective insulation, tight construction, and high-performance windows).
- Energy-efficient air distribution (e.g., airtight, well-insulated ducts).
- Energy-efficient equipment (e.g., space heating, space cooling, and hot water heating).

ENERGY STAR Promotional tools

[List of ENERGY STAR Plants](#)

[Apply for the FHA Energy Efficient Mortgage](#)

[ENERGY STAR Qualified Manufactured Homes Frequently Asked Questions](#)



Click here to subscribe to MHRA ENERGY STAR Update
Or send an email to energystar@research-alliance.org with "Subscribe" in the subject line.
This newsletter will keep you abreast of developments in the ENERGY STAR program for manufactured homes.

Energy Efficient Mortgages (EEM)

http://www.hud.gov/offices/hsg/sfh/eem/eemhome.cfm

The screenshot shows a Mozilla Firefox browser window displaying the HUD/FHA Energy Efficient Mortgage Insurance website. The browser's address bar shows the URL: http://www.hud.gov/offices/hsg/sfh/eem/eemhome.cfm. The website header includes the HUD/FHA logo and navigation links for 'En español', 'Text only', and 'Search/index'. The main content area is titled 'Energy Efficiency Mortgages' and features a 'Helpful Tools' section with links to subscribe to an email list, information by state, print version, and email to a friend. A sidebar on the left contains a 'Housing' menu with various sub-links. The footer includes contact information for the U.S. Department of Housing and Urban Development, including the address, telephone number, and TTY.

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Energy Efficiency Mortgages

Welcome to FHA's home page for FHA Insured Energy Efficient Mortgages (EEM). The following links should help you learn about how to make your home more energy efficient:

- ▶ [Energy Efficient Mortgages Description](#)
- ▶ [Program Description](#)
- ▶ [Links about Energy Efficiency](#)
- ▶ [Energy Efficient Homeowner Guide](#)
- ▶ [Energy Efficient Mortgage Letters](#)
- ▶ [Rehabilitation Energy Guidelines](#)

Visit the [FHA Resource Center](#) for more EEM information.

Helpful Tools
SUBSCRIBE to the Single Family Housing email list. You will get frequent updates to the HOC Reference Guide, training and event announcements, mortgagee letters and notices about your Single Family business.

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U.S. Department of Housing and Urban Development
451 7th Street S.W., Washington, DC 20410
Telephone: (202) 708-1112 TTY: (202) 708-1455
[Find the address of a HUD office near you](#)

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Set Up Issues



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Successes, misconceptions, customer/retailer reactions, and obstacles of **ENERGY STAR** Qualified Manufactured Homes



Misconceptions

- HUD-Code homes often still are perceived to have little or no resale value
- Mobile Homes are build to a weaker standard
- **ENERGY STAR** is not available
- **ENERGY STAR** is too expensive
- They are already **ENERGY STAR** certified
- People are not interested
- People never ask for it
- They are already Duke Power certified!



Obstacles

- Disconnect at every level within the industry
- Not enough retailer education
- Not enough home buyer education
- Some of the tax credits and rebate programs have sunset clauses
- Zoning regulations prohibiting certain manufactured homes
- Getting final ENERGY STAR site installation checklist completed and sent back to the plant

Successes

- Retailers are getting more familiar with their **ENERGY STAR** products and programs
- Public perceptions of Manufactured Housing is changing
- Homes are appreciating
- Homes are actually built **BETTER** than site built homes and are more energy efficient
- Numerous incentives are available