



ENERGY STAR CERTIFIED HOMES



ENERGY STAR CERTIFIED

Advantage Homes is proud to be one of the *few homebuilders in Maryland* that has made a commitment to *building 100% of their homes* to ENERGY STAR performance guidelines. This means that every home is built to the standards for energy efficiency set by the Environmental Protection Agency (EPA) for Energy Star as *certified by a third party inspector*. Because this commitment is for every home enhanced *quality and energy savings* are delivered to you *without additional charge!*



- Every Home is Certified by an Authorized Third Party Inspector.
- Low-E Double Paned Single Hung Windows - Reflects heat in during winter and out during summer.
- High Efficiency 90+ Natural Gas Direct Vent Furnace, 13 SEER High Efficiency Air Conditioner with Programmable Thermostats (per plan)
- 50-Gallon High Efficiency Gas Hot Water Heater - Uses less energy than standard hot water heaters
- Air Seal Package for the interior of the House Including Air Ducts
- Genuine Tyvek Housewrap - Provides an effective moisture barrier and limits air infiltration
- Insulated Garage Walls/Ceiling/Garage Door for Attached Garages
- Energy Star Kitchen Appliances - Uses less energy
- Premium Insulation Package - Includes R-49 for the attic and R-15 for the walls (per plan).

"Advantage Homes promises personalized attention, timeless quality and 3rd party certification that every one of our homes is Energy Star Certified."

Single Hung “Low-E “ Windows

MW Classic Series



MW CLASSIC® Single Hung Windows combine the maintenance-free performance of vinyl with the traditional design elements that homeowners and architects desire. For builders, rest assured you'll get the support you need — from on-time delivery to on-site field support. So you can do more of the things you want. Like finish the job on schedule.

- Low E Glass
- Maintenance-free multi-chamber PVC construction with fully welded corner
- Interior and exterior accessory grooves
- Energy-Efficient Warm-Edge Insulated Glass
- Integral nailing fin with welded corners
- Bottom sash tilt in for easy cleaning
- Integral J-Channel with Undersill Trim Leg allows for simple and secure siding panel installation
- Low-profile sill nosing resembles a traditional wood window
- Robust interlock satisfies forced entry requirements
- Integral mull option with continuous head and sill on combo units
- Classic brick mould profile provides a sculptured appearance that matches traditional exterior millwork

PERFORMANCE DATA

MW CLASSIC[®] Series (Vinyl)

All units tested in accordance with ASTM standards; rated in accordance with International Residential Code; and witnessed by an independent AAMA accredited lab. Units were tested without grilles.

Single Hung Performance

	U Value	R Value	SHGC	VT
3/4" Low-E	.35	2.86	.37	.56

Note:

U Value= Rate of heat lose

R Value= Restrictive ambient air flow

SHGC= Solar Heat Gain Coefficient

VT= Visible Transmittance

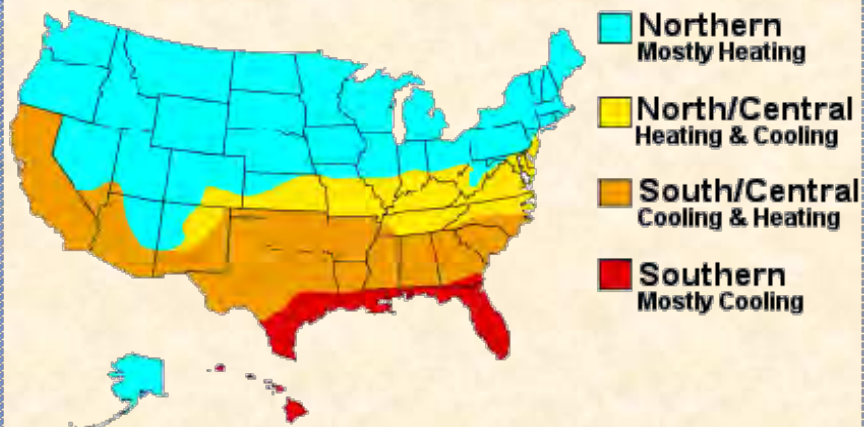


ENERGY STAR[®] Qualification Criteria WINDOWS AND DOORS

Zone	U-factor	SHGC
Northern	≤0.35	Any
North/Central	≤0.40	≤0.55
South/Central	≤0.40	≤0.40
Southern	≤0.65	≤0.40

MW Classic[®] Series window & sliding patio door products can be ordered to meet or exceed the requirements for the Energy Star program in all four climate zones.

Last Modified: Friday, August 15, 2008



Goodman

Air Conditioning & Heating



High Efficiency Gas Furnaces

Goodman brand gas furnaces deliver warm, money-saving indoor comfort year after year. This alleviates the 'cold air blow' often associated with single speed furnaces. Choose from a full line of Goodman brand gas furnaces that many agree offer the best warranty protection in the heating and cooling industry.

High Efficiency Air Conditioning Systems

The Goodman® brand has a central air conditioning system that is perfect for your home... at a refreshingly affordable price. Even on the hottest days of the year, you can keep your home cool and comfortable while enjoying low energy costs with a high-efficiency Goodman® brand air conditioner. Don't choose between affordability, durability, and optimum cooling comfort... install a Goodman® brand air conditioner and get all three... and perhaps the best warranty protection in the heating and cooling industry

High Efficiency Heat Pump Systems

Enjoy year-round indoor comfort with a Goodman® brand heat pump. These units provide both cooling and heating comfort from a single system. High-efficiency heat pumps can lower the cost of keeping your home completely comfortable all year. The Goodman® brand offers a full line of heat pump systems so you are certain to find the perfect system to fit your budget. Plus you'll get comfort from what many consider to be the best warranty protection in the heating and cooling industry

Programmable Thermostat

For 1st Floor Systems In UrbanaHighlands and all 2nd Floor Systems

FocusPRO 6000 5-1-1/5-2 Day Programmable Thermostat

- Enhanced warranty and exclusive features only available from the pros
- Easy to read backlit digital display
- Easy-access battery replacement



Honeywell | For Your Home

DETAILS

- **Large, Clear Backlit Digital Display** - Easy to read in various lighting conditions. (Also available in smaller standard screen size)
- **Precise Comfort Control** - Maintains consistent comfort to the highest level of accuracy.
- **RedLINK Wireless Enabled** - Re-locate a thermostat, upgrade equipment, add temperature zoning and more - quickly and easily without running wires.
- **Energy Savings** - Program to save up to 33 percent on annual heating and cooling costs (if used as directed, savings may vary depending on geographic region and usage)
- **5-1-1 Programming** - Programming for the weekdays, Saturday and Sunday
- **5-2 Programming** - Programming for weekdays and weekends
- **Easy-Access Battery Replacement** - Flip-out door allows for easy battery replacement without removing or disassembling the thermostat.
- **Built-in Instructions** - Simple, pull-out instruction manual.
- **Model Numbers** - TH6220D1002, TH6110D1005, TH6320D1004
- **5-Year Warranty**

Programmable Thermostat

For Main Floor Systems with Dual Fuel (Brunswick Crossing)

VisionPRO 8000 7-Day Programmable Thermostat

- Enhanced warranty and exclusive features only available from the pros
- Effortless, menu-driven programming
- Easy to read backlit digital display



Honeywell | For Your Home

DETAILS

- **Effortless, Menu-Driven Programming** - Simplifies programming by responding to your choices
- **7-Day Programming** - Allows separate programming for each day
- **Large, Clear Backlit Digital Display** - Easy-to-read in various lighting conditions
- **Change/Check Reminders** - Let you know when to service or replace filters, batteries, etc.
- **Energy Savings** - Program to save up to 33% on annual heating and cooling costs (If used as directed. Savings may vary depending on geographic region and usage)
- **Precise Comfort Control** - Maintains consistent comfort to the highest level of accuracy
- **Built-In Humidity Sensor** - Displays current humidity and select models allows you to control dehumidification
- **Real-Time Clock** - Keeps time during power failures and automatically updates for daylight savings
- **Multiple HOLD Options** - Allows you to override the program schedule as desired, with temporary and vacation hold settings.
- **Model Numbers** - TH8110U1003, TH8320U1008, TH8321U1006
- **5-Year Warranty**

80 Gallon High Efficiency Electric Hot Water Heater (Brunswick Americana Series)

SELECT[®] High Efficiency High-Efficiency Residential Electric Water Heaters



New, Higher Energy Factor of .93, meets efficiency requirements for most electric utility rebate programs – 2-1/2" thick CFC-free foam insulation, heat trap nipples and other features produce performance that meets Energy Star Home Program recommendations.

Diffuser Dip Tube – Helps reduce lime and sediment buildup, maintains hot water output. Made of Stabic PEKANT[®], a crosslink PEK polymer that can withstand long-term exposure to water temperatures up to 400°F.

Aluminum Anode Rod – Helps protect against corrosion for longer life.

Durable Tamper-Resistant Brass Drain Valve

Glass-Lined Tank – For long-lasting protection against rust and corrosion.

Upgrade Tank Warranty to 10 Years – See details on page 2.

Certified and Rated Side-Mounted T&P Relief Valve – The Mixed T&P Relief Valve available as an option on some models.

6-Year Limited Tank and Parts Warranty

Code Compliance – meets or exceeds federal minimum energy standards according to the latest edition of the National Appliance Energy Conservation Act (NAECA). Also complies with ASHRAE 90.1-2004 and current editions of ICC Codes and HUD Standards.



MODEL NUMBER	PEAK DEMAND OUTPUT (1st Hour Rating Gallons)	ENERGY FACTOR	GALLON CAPACITY	ELEMENT WATTAGE 240 VAC		RECOVERY 50°F RISE	DIMENSIONS (INCHES)			APPROX. SHIPPING WEIGHT (LBS)	
				STANDARD	MAXIMUM		R VALUE	A HEIGHT	B DIAMETER		C
ES6 80 DOCT *	87	.93	80	4500	6000	21	20	61-1/2	25	52	210

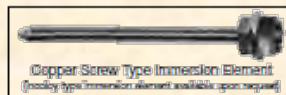
80 Gallon High Efficiency Electric Hot Water Heater (Brunswick Manor Series)



Residential Upright High Efficiency Energy Saver Electric Water Heater



Photo is of
M-2-HE40S6DS



The Upright High Efficiency Electric Models Feature:

- **DOE**—All residential storage models meet or exceed efficiency requirements of the Department of Energy, ASHRAE Standard 90.1 b (current standard) and the National Appliance Energy Conservation Act of 1987 recent amendment effective January 20, 2004 which supercedes all state and local efficiency requirements.
- **UL & HUD**—Design evaluated by UL in accordance with Part 280.707(d) of HUD Mobile Home Construction and Safety Standards for Energy Efficiency.
- **Fully Automatic Controls**—Fast acting surface-mount thermostats for automatic temperature control. Factory installed sensitive manual reset energy cutoff for safety to prevent overheating.
- **Direct Heat Transfer With Immersed Elements**—Transfers heat directly and efficiently to the water. Screw-in style.
- **Factory Installed Hydrojet® Total Performance System**—Cold water inlet sediment reducing device helps prevent sediment build up in tank. Increases first hour delivery of hot water while minimizing temperature build up at top of tank.
- **Vitraglas® Lining**—Bradford White tanks are lined with an exclusively engineered formula that provides superior protection from the highly corrosive effects of hot water. This formula (Vitraglas®) is fused to the steel surface by firing at a temperature of over 1600° F.
- **2" Non-CFC Foam Insulation**—Covers the sides and top of the tank, reducing the amount of heat loss. This results in less energy consumption, improved operation efficiencies and jacket rigidity.
- **Water Connections**—3/4" NPT factory installed true dielectric fittings extend water heater life and eases installation.
- **Factory Installed Heat Traps**—Design incorporates a flexible disk that reduces heat loss in piping and eliminates the potential for noise generation.
- **Protective Magnesium Anode Rod**—Provides added protection against corrosion for long trouble-free service.
- **Simultaneous and Non-Simultaneous Operation Available**—Simultaneous operation indicates when both elements (if equipped) are being heated at the same time. Non-Simultaneous operation indicates when one element is being heated at a time.
- **Voltages Available**—120V, 208V, 240V, 277V, 480V.
- **Single Phase or Three Phase Operation Available**—277V may only be wired for single phase operation.
- **T&P Relief Valve Included**—All models have special tapping on top of tank.
- **Brass Drain Valve**—Tamper proof design.
- **Minimum Energy Factor of 0.91.**

Model Number	Capacity		Recovery 90°F Rise		Approx. Shipping Weight lbs.
	U.S. Gal.	Imp. Gal.	U.S. GPH*	Imp. GPH*	
M-2-HE40S6DS	80	67	70	17	191

50 Gallon Power Vent Gas Hot Water Heater (Urbana Americana Series)

RESIDENTIAL GAS 

SELECT[®] POWER-VENT



- Permits combined horizontal and vertical vent runs up to 120 feet, using schedule 40 PVC, CPVC or ABS pipe
- Quiet modular blower, with 110/120 volt electrical system (rating 3 amps or less), with 6-foot cord, standard 3-prong male connector
- FVIR design
- Intelli-vent[™] power gas control valve, with extra-durable silicon nitride hot surface ignitor
- Green Choice[®] gas burner – 33% lower NO_x emissions than standard burners
- Durable, tamper-resistant brass drain valve
- Aluminum anode rod provides added protection against tank corrosion
- Long-lasting PEXAN[™] cross-linked polymer dip tube, with diffuser design to help reduce time and sediment buildup
- CSA Certified and ASME Rated T&P Relief Valve
- Maximum hydrostatic working pressure: 150 psi
- 6-year tank and parts warranty

50 Gallon Power Vent Gas Hot Water Heater (Urbana Manor Series)



251-B-1006-A

TTW1

Residential Through-The-Wall Energy Saver Gas Water Heater



Photo is of
M-1-TW-40S6FBN

The TTW1 FVIR Defender Safety System® Models Feature:

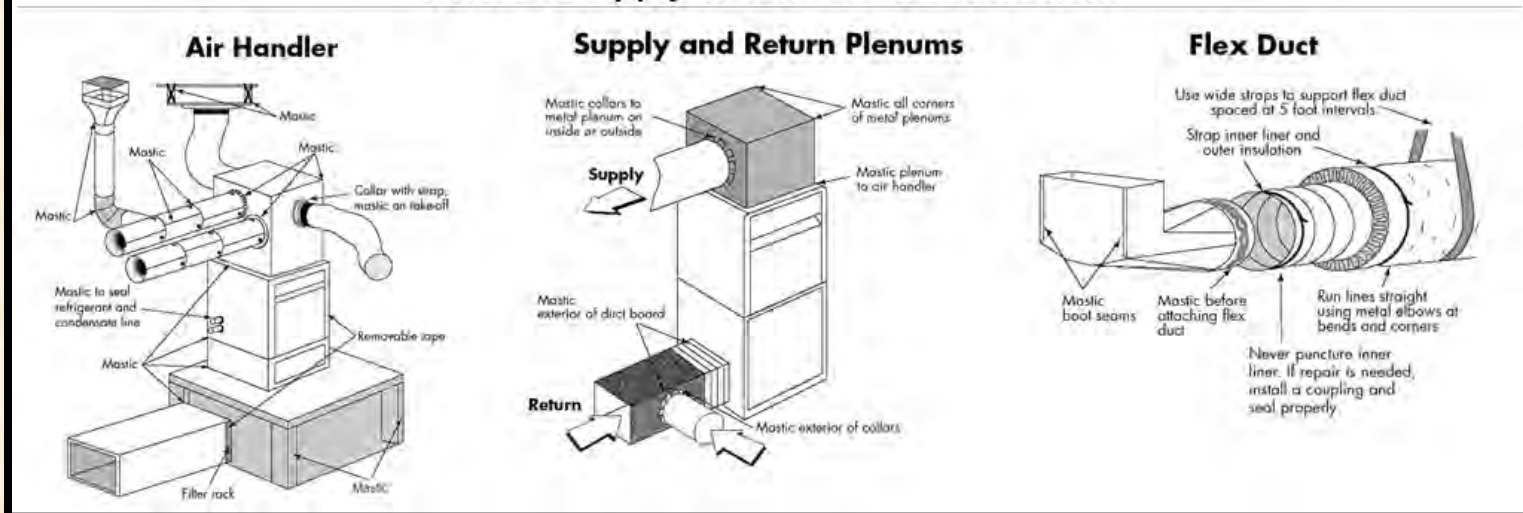
- **Advanced ScreenLok® Technology Flame Arrestor Design**—Flame arrestor is designed to prevent ignition of flammable vapor outside of the water heater.
- **Flammable Vapor Sensor**—Electronic sensor prevents burner operation if flammable vapors are detected. The sensor will also prevent operation if there is ongoing flammable vapor burn inside the combustion chamber.
- **Pedestal Base**—Rugged and durable base allows easy transport and positioning, and provides corrosion resistant contact with floor.
- **Maintenance Free**—No regular cleaning of air inlet openings or flame arrestor is required under normal conditions.
- **Sight Window**—Offers a view into the combustion chamber to observe the operation of the pilot and burner.
- **Power Vented Water Heater**—Designed for installations where atmospheric units cannot be used. Exhaust gases are vented under positive pressure directly out of the building through the roof or the wall.
- **Powerful Blower Motor**—Our design has higher torque for greater resistance to outside winds and the power to eliminate problems with difficult venting situations. This significantly quieter motor runs cooler for a considerably longer operational life.
- **Spark-to-Pilot Ignition System**—Eliminates the constant burning pilot used on other water heaters. This device results in savings of pilot gas during standby periods. (110 VAC required to heater).
- **Horizontal and Vertical Venting**—With 2" or 3" PVC, ABS or CPVC (Maximum equivalent vent length on reverse side).
- **Vitraglas® Lining**—Bradford White water heater tanks are protected from the corrosive effects of hot water by a ceramic porcelain-like coating. The exclusive high silica ceramic lining provides a tough interior surface for our water heater tank.
- **Steel Tank**—Heavy gauge steel automatically formed, rolled and welded to assure a continuous seam for glass lining.
- **Protective Magnesium Rod**—Provides added protection against corrosion for long trouble-free service.
- **Factory installed Hydrojet® Total Performance System**—Cold water inlet sediment reducing device. Helps prevent sediment build up in tank. Increases first hour delivery of hot water while minimizing temperature build up at top of tank.
- **Factory installed Heat Traps**—Design incorporates a flexible disk that reduces heat loss in piping and eliminates the potential for noise generation.
- **Water Connections**—3/4" NPT factory installed true dielectric fittings. Extends water heater life and eases installation.
- **1" Non-CFC Foam Insulation**—Covers the sides and top of tank to save energy by retarding loss of heat. Also increases jacket rigidity.
- **Electronic Gas Control Valve**—The integrated, immersion gas control valve offers more precise temperature control for higher first hour delivery and also allows water temperature adjustment without removing the cover. The control is equipped with an LED to display heater status and aid in diagnostics.
- **Brass Drain Valve.**
- **T&P Relief Valve Included.**
- **Stainless Steel Flue Baffle**—Designed to maximize the amount of heat absorbed in the lower portion of tank. Reduces air movement in the water heater during standby periods to retard heat loss up the flue.
- **Design Certified by CSA International (formerly AGA and CGA).**

Foam Air Seal and Mastic Air Duct Seal Programs



Hidden air leaks in your home are like unseen holes in your wallet. image courtesy of Energy Star

Where to Apply Mastic Air Duct Sealant



Insulated Garage Door

Insulated Garage Walls Adjacent To Conditioned Space

(Insulated for Attached Garages - Non-Insulated for Detached Garages)



House Wrap



DUPONT Tyvek[®]
HomeWrap[™]



You may not be able to do anything about weather or climate, but you can prepare for it. With advanced, high-performance House Wrap the protective material with more than 30 years of performance in millions of homes.

Wrapping a home or building in a weather-resistant barrier is not just good sense, it's good building practice. Because it helps combat water, moisture and air infiltration that are any structure's worst enemies. Allowed to penetrate behind siding, wind-driven rain and moisture can saturate walls, creating a breeding ground for mold, mildew and wood rot. The properties of House Wrap do not support the growth of mold or mildew. Air infiltrating from outside can create comfort-robbing cold or warm spots while increasing heating and cooling costs.

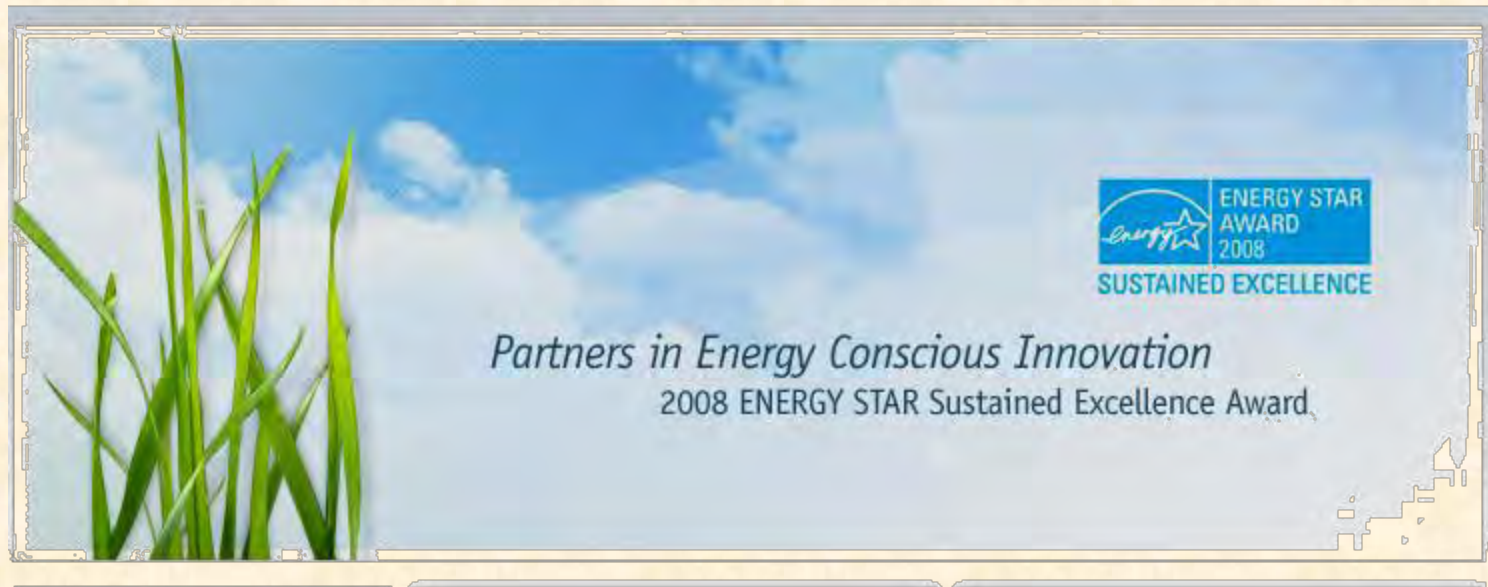
House Wrap acts like a windbreaker and wrapped over the sheathing and under the exterior siding—cut out around windows and doors and taped securely at the seams—resists air infiltration and water intrusion and makes for a more comfortable, energy-efficient home or building.

*House Wrap brand may differ than that shown in photograph.

All Appliances Are Energy Star Qualified



Whirlpool Brand & ENERGY STAR® Program



WHAT MAKES A HOME ENERGY STAR?

Homes that earn the ENERGY STAR are significantly more energy efficient than standard homes.¹ ENERGY STAR builders achieve this high efficiency for you by selecting from a variety of features:

TIGHT CONSTRUCTION AND DUCTS

Advanced techniques for sealing holes and cracks in the home's "envelope" and in heating and cooling ducts help reduce drafts, moisture, dust, pollen, pests, and noise. A tightly sealed home improves comfort and indoor air quality while lowering utility and maintenance costs.

EFFECTIVE INSULATION

Properly installed and inspected insulation in floors, walls, and attics ensures even temperatures throughout the house, while using less energy. The result is lower utility costs and a quieter, more comfortable home.

EFFICIENT HEATING AND COOLING EQUIPMENT

An energy-efficient, properly installed heating and cooling system uses less energy to operate, which reduces your utility bills. This system can also be quieter, reduce indoor humidity, and improve the overall comfort of your home.

HIGH PERFORMANCE WINDOWS

Energy-efficient windows employ advanced technologies, such as protective coatings and improved frame assemblies, to help keep heat in during the winter and out during the summer. These windows also block damaging ultraviolet sunlight that can discolor carpets and furnishings.

EFFICIENT PRODUCTS

Your home may also be equipped with ENERGY STAR qualified products—lighting fixtures, compact fluorescent bulbs, ventilation fans, and appliances—that offer additional energy savings.

INDEPENDENT TESTING

While it's easy to claim that homes are energy efficient, ENERGY STAR builder partners back that up with verification by an independent Home Energy Rater. The Rater conducts onsite inspections and testing to verify the performance of the energy efficiency features in your home.

¹ ENERGY STAR qualified homes are at least 15% more energy efficient than homes built to the 2004 International Residential Code (IRC) and include additional energy-saving features that typically make them 20-30% more efficient than standard homes.



ENERGY STAR QUALIFIED HOMES HOME OWNER BENEFITS

ADDED CONFIDENCE

Home buying is complex enough without having to know all the details of energy-efficient construction. Instead, look for the government-backed ENERGY STAR to easily identify homes that are truly energy efficient. Find the house of your dreams and enjoy peace of mind knowing that it also meets rigorous energy efficiency guidelines set by EPA and verified by an independent Home Energy Rater.

LOWER OWNERSHIP COST

Compared with standard construction, ENERGY STAR qualified homes use substantially less energy for heating, cooling, and water heating—delivering \$200 to \$400 in annual savings. Although these energy savings may seem small relative to the cost of monthly mortgage payments, no one likes to waste money. And over the 7 or 8 years that a typical buyer lives in a home, it can add up to thousands of dollars saved. Additional savings on maintenance can also be significant.

BETTER PERFORMANCE

Properly installed energy-efficient improvements deliver better protection against cold, heat, drafts, moisture, pests, pollution, and noise. An ENERGY STAR qualified home helps ensure consistent temperatures between rooms, improved indoor air quality, and greater durability.

SMARTER INVESTMENT

To date, more than 9,600 home builders have partnered with EPA to construct over 750,000 ENERGY STAR qualified homes. By the end of the decade, more than 2 million homes are expected to earn the ENERGY STAR. The trend is clear. By choosing a home with the ENERGY STAR, you can be confident that it will have an increasingly valued feature when the time comes to sell.

ENVIRONMENTAL PROTECTION

Energy used in our homes often comes from the burning of fossil fuels at power plants. Because ENERGY STAR qualified homes use less energy, they help prevent greenhouse gas emissions—an added benefit for today's environmentally-conscious consumers looking for "green" choices.

Greater energy efficiency helps us all make the most of our energy resources, mitigates the impact of high energy prices, decreases the need for new power plants, lowers our reliance on energy imports, and reduces the emissions of greenhouse gases and air pollutants at the source.

Homes that earn the ENERGY STAR prevent greenhouse gas emissions by meeting strict energy efficiency guidelines set by the U.S. Environmental Protection Agency.

For more information, visit www.energystar.gov



LEARN MORE AT
energystar.gov