

Smart Energy Living® Solutions Fact Sheet



Energy Efficient Windows

Energy efficient windows improve energy savings, comfort and home resale value. According to the Remodeling Online Cost vs. Value Report 2009-2010, the national average cost recouped at sale for replaced windows was approximately 77%.

Window Selection

Buying windows can be very confusing, time consuming, and costly, so be sure you understand what you are shopping for before you buy. Windows are part of the home envelope and inefficient windows contribute to air leaks and cause comfort problems. The simplest way to ensure you are buying energy efficient windows is to buy ENERGY STAR® windows qualified for your climate zone.

Installation

Poorly installed windows will not result in energy savings or comfort. To ensure proper installation:

- 1) Stick to manufacturing instructions.
- 2) Hire trained installers meeting InstallationMasters, the American Window & Door Institute, or equivalent

manufacturer certification. 3) Interview contractors and ask for references.

Energy Savings

Inefficient windows can add 7 to 24% to home energy bills. As with every energy upgrade, actual savings are dependent on many factors unique to your home, including whether you are replacing single- or double-pane glass windows.

One of the main things to look for is the U-Factor. This should be on the window label. The U-Factor measures the amount of heat (in BTUs) that moves through the window. The lower the U-value, the better the overall insulating value. Different technologies can lower a windows U-Factor, including Low E, extra panes of glass, and plastic films, such as heat mirror.

Financial Incentives for ENERGY STAR Windows

Qualifying windows purchased between January 1, 2009 and December 31, 2010 are eligible for a tax credit equal to 30 percent of the product cost.

ENERGY STAR® Qualified In All 50 States	
	World's Best Window Co. Millennium 2000+ Vinyl-Clad Wood Frame Double Glazing • Argon Fill • Low E Product Type: Vertical Slider (per NFRC 100-97)
ENERGY PERFORMANCE RATINGS	
U-Factor (U.S./I-P) 0.35	Solar Heat Gain Coefficient 0.32
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance 0.51	Air Leakage (U.S./I-P) 0.2
Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. Consult manufacturer's literature for other product performance information. www.nfrc.org	

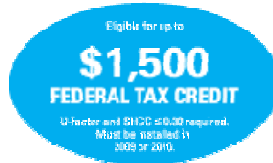
**Choose ENERGY STAR®
Qualified Windows for Your
Climate Zone**

Energy Efficient Windows

Energy Efficient Windows – Continued

Installation is not included. You will need an itemized invoice from your retailer or installer. The maximum amount of homeowner credit for all improvements combined, including roofing, insulation, HVAC, and water heaters) is \$1,500 during 2009 and 2010. Windows purchased on or after June 1, 2009 must have U-factor and Solar Heat Gain Coefficient (SHGC) ratings of 0.30 or less. You should also check for other local government or utility rebates.

This label helps you identify qualifying windows:



Since ENERGY STAR performance standards are increasing in 2010, the label below will indicate the deadline for purchasing previously qualified windows:

**Qualified Until
March 31, 2010**

Go to www.SmartEnergyLiving.org for More Information About Energy Efficiency

Smart Energy Living Alliance® is a 501(c)(3) non-profit organization dedicated to helping consumers, like you, make smart energy decisions and ensuring qualified professionals are available to meet consumer needs. We provide unbiased information, tools and resources, including connecting you to local energy businesses.

The managing partners of the U.S. Department of Energy's National Renewable Energy Laboratory (NREL) created us in 1999. We publish an award-winning magazine, Smart Energy Living, in partnership with NREL.

For a free subscription to Smart Energy Living magazine or newsletter, or other helpful information on energy conservation, energy efficiency and renewable energy, go to www.SmartEnergyLiving.org. Thank you for helping us Build a Better Energy Future.



**Smart Energy Living
Alliance®**

Building a better energy future