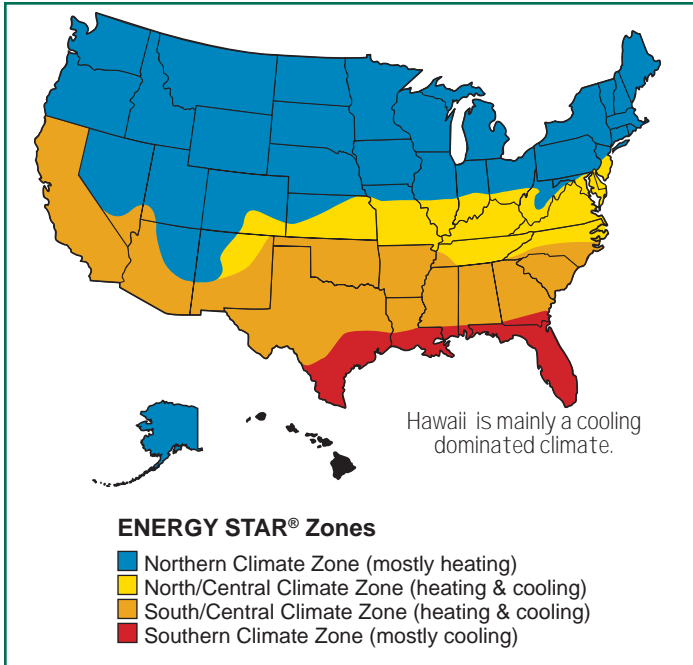


Fact Sheet: Selecting Energy Efficient Windows in Hawaii

www.collaborativeefficientwindows.com

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Benefits of High Performance Windows

Cooling and Heating Season Savings

High performance windows can reduce energy costs for heating and cooling by up to 10%.

Improved Daylight and View

New glazings with low-solar-gain low-E coatings can reduce solar heat gain while maintaining excellent views.

Improved Comfort

In summer and winter occupant comfort is increased; window temperatures are more moderate and there are fewer cold drafts. Discomfort from strong summer sunlight is reduced.

Reduced Condensation

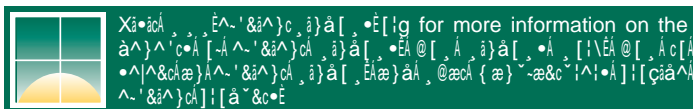
Frame and glazing materials that resist heat conduction do not become cold and this results in less condensation.

Reduced Fading

UV-protective coatings on window glass help reduce fading of fabrics and furnishings.

Lower Mechanical Equipment Costs

Reduced energy loads can allow for smaller heating and cooling equipment, resulting in lower costs.



1. Look for the ENERGY STAR®

The Department of Energy (DOE) and the Environmental Protection Agency (EPA) have developed an ENERGY STAR (www.energystar.gov) designation for products meeting certain energy performance criteria. Since performance of windows and skylights vary by climate, product recommendations are given for the four ENERGY STAR climate zones. To distinguish between ENERGY STAR products, go to Step 2.



2. Look for Efficient Window Properties on the NFRC Label

The National Fenestration Rating Council (NFRC) has developed a window rating system based on whole window product performance (www.nfrc.org). The NFRC label provides the only reliable way to compare products. The NFRC label appears on all fenestration products which are part of the ENERGY STAR program. See Page 2 for the recommended properties for this climate. For typical cost...

		World's Best Window Co. Millennium 2000® Vinyl-Clad Wood Frame Double Glazing - Argon-Fill - Low-E Product Type: Vertical Slider	
ENERGY PERFORMANCE RATINGS			
U-Factor (U.S./I-P)		Solar Heat Gain Coefficient	
0.35		0.32	
ADDITIONAL PERFORMANCE RATINGS			
Visible Transmittance		Air Leakage (U.S./I-P)	
0.51		0.2	
Condensation Resistance			
51			
<small>Manufacturer declares that these ratings conform to applicable NFRC procedures for determining whole window performance. These ratings are determined on a basis of standard test conditions and do not represent actual performance in a specific climate. NFRC does not recommend any product and does not warrant the suitability of any product for any specific use. Consult manufacturer's literature for other product performance information. www.nfrc.org</small>			

3. Compare Annual Energy Costs for a Typical House

Computer simulations for a typical 2000 square-foot house are used to compare the annual energy performance of different window types. A comparison of the energy performance of a set of windows for...



4. Customize Energy Use for a Specific House

A computer simulation program, such as RESFEN (windows.lbl.gov/software/resfen), lets you compare window options by customizing calculations by adding heating and cooling costs for your climate, house design options, and utility rates.

