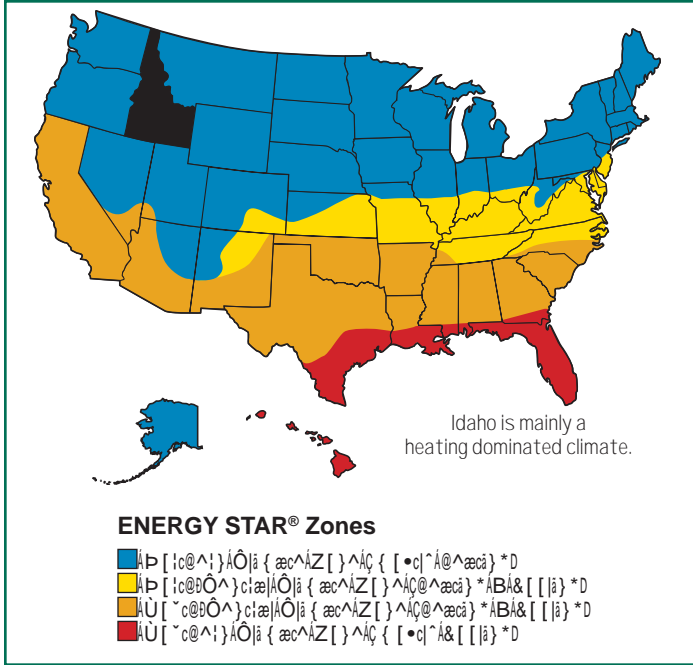




# Fact Sheet: Selecting Energy Efficient Windows in Idaho

Energy Efficient Windows in Idaho

September 2007



## Benefits of High Performance Windows

### Cooling and Heating Season Savings

High performance windows reduce energy costs by minimizing heat loss in winter and heat gain in summer.

### Improved Daylight and View

Energy efficient windows provide clear views and abundant natural light, reducing the need for artificial lighting.

### Improved Comfort

High performance windows reduce drafts and hot/cold spots, creating a more comfortable indoor environment.

### Reduced Condensation

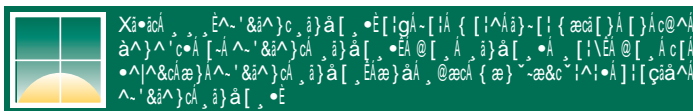
Energy efficient windows have multiple panes and gas fills that reduce condensation on the interior glass surface.

### Reduced Fading

High performance windows reduce UV radiation, helping to protect interior furnishings from fading.

### Lower Mechanical Equipment Costs

Energy efficient windows reduce the load on heating and cooling systems, leading to lower equipment costs and longer lifespans.



## 1. Look for the ENERGY STAR®

The ENERGY STAR logo is a white star on a blue background. It is a symbol of energy efficiency. The logo is used to identify products that meet strict energy efficiency guidelines set by the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy (DOE).



## 2. Look for Efficient Window Properties on the NFRC Label

The NFRC label provides detailed performance ratings for windows. Key ratings include U-Factor, Solar Heat Gain Coefficient (SHGC), Visible Transmittance (VT), Air Leakage (AL), and Condensation Resistance (CR). These ratings help consumers compare different window products and choose the one that best fits their needs.

ENERGY PERFORMANCE RATINGS	
U-Factor (U.S./IP)	Solar Heat Gain Coefficient
<b>0.35</b>	<b>0.32</b>
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance	Air Leakage (U.S./IP)
<b>0.51</b>	<b>0.2</b>
Condensation Resistance	
<b>51</b>	<b>—</b>

Manufacturer declares that these ratings conform to applicable NFRC procedures for determining window product performance. NFRC ratings are determined on a basis of laboratory conditions and do not represent actual performance in the field. For more information on NFRC procedures for determining window product performance, visit [www.nfrc.org](http://www.nfrc.org).

## 3. Compare Annual Energy Costs for a Typical House

Comparing annual energy costs for a typical house helps homeowners understand the long-term benefits of energy efficient windows. Factors like climate, house size, and window type all influence energy costs.



## 4. Customize Energy Use for a Specific House

Customizing energy use for a specific house involves using software tools to model energy performance based on the house's unique characteristics, such as location, orientation, and window placement.

