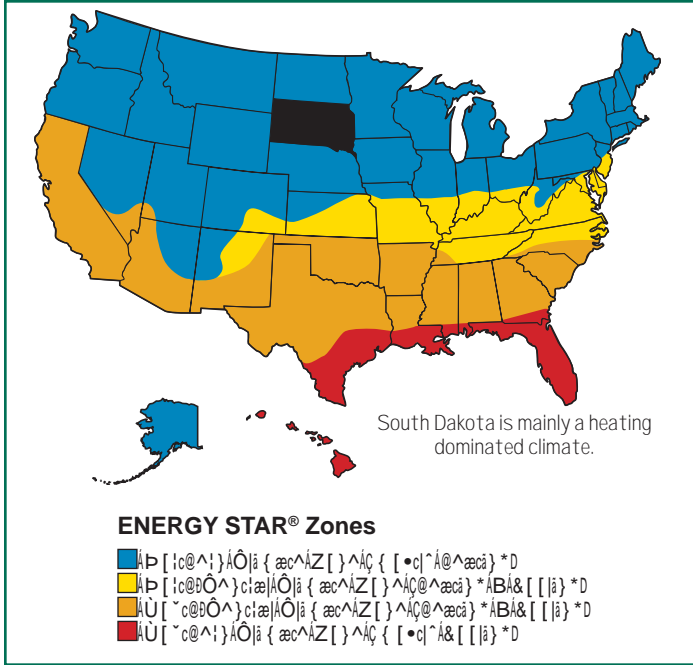




# Fact Sheet: Selecting Energy Efficient Windows in South Dakota

www.collaborativeefficientwindows.org

September 2007



## Benefits of High Performance Windows

### Cooling and Heating Season Savings

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

### Improved Daylight and View

High performance windows provide excellent views and natural daylight, reducing the need for artificial lighting.

### Improved Comfort

High performance windows reduce drafts and improve indoor air quality, leading to a more comfortable living environment.

### Reduced Condensation

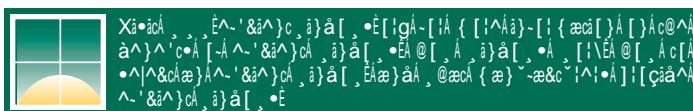
High performance windows have low U-factors, which helps prevent condensation on the interior surface.

### Reduced Fading

High performance windows feature UV-protective coatings that help reduce fading of interior furnishings.

### Lower Mechanical Equipment Costs

High performance windows reduce the load on heating and cooling systems, leading to lower equipment costs.



## 1. Look for the ENERGY STAR®

The ENERGY STAR logo is a five-pointed star with the word "energy" written in a cursive font across it. Below the star, the words "ENERGY STAR" are written in a bold, sans-serif font. The logo is set against a blue background.



## 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, Visible Transmittance, Air Leakage, and Condensation Resistance.

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>

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

ENERGY STAR provides a tool to compare the annual energy costs for a typical house with different window options.



## 4. Customize Energy Use for a Specific House

The ENERGY STAR tool allows users to customize energy use for a specific house based on location, climate, and window choices.



