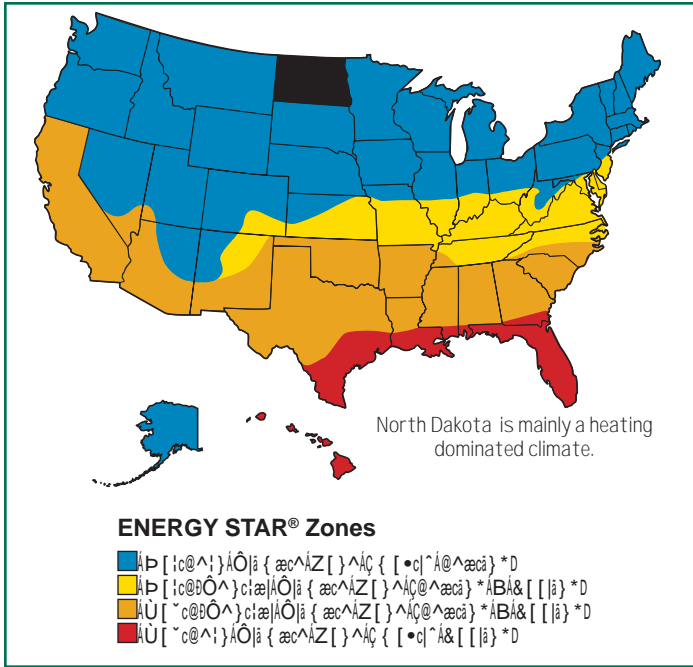




Fact Sheet: Selecting Energy Efficient Windows in North Dakota

kkk"YZUWJYbhk]bXc kg'cfg

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

By reducing drafts and uneven temperatures, high performance windows improve indoor comfort.

Reduced Condensation

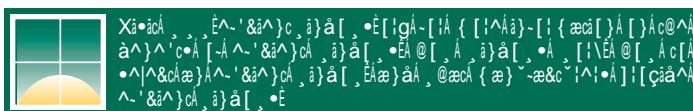
High performance windows have low U-factors, which help prevent condensation on the interior surface.

Reduced Fading

Low solar heat gain coefficient (SHGC) windows help reduce fading of interior furnishings.

Lower Mechanical Equipment Costs

Energy efficient windows reduce the load on heating and cooling systems, lowering equipment costs.



1. Look for the ENERGY STAR®

ENERGY STAR is a symbol of energy efficiency. It is a government-backed certification mark for energy-efficient products and services. For windows, ENERGY STAR certification ensures that the window meets strict energy performance criteria.



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, Air Leakage, and Condensation Resistance. These ratings help consumers compare different window products.

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

Manufacturer declares that these ratings conform to applicable NFRC procedures for determining energy 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 energy performance, visit www.nfrc.org. Product Type: Vertical Slider.

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 and window choices.

