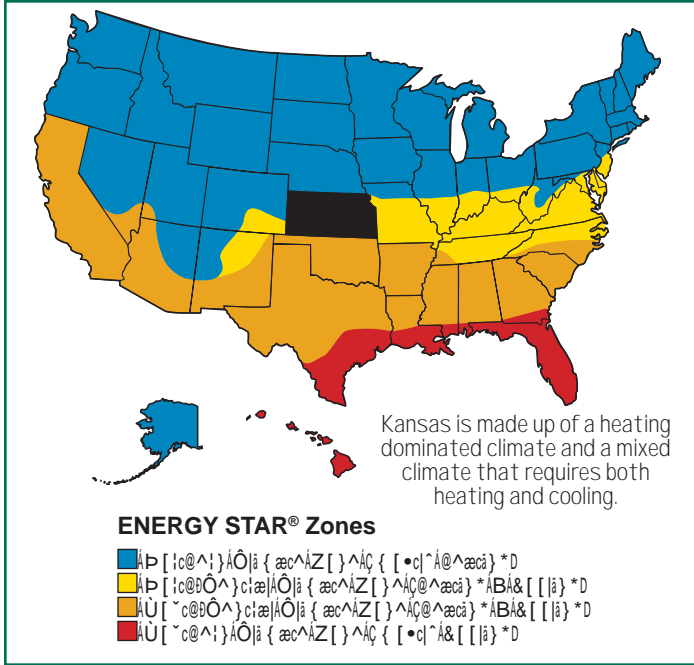


Fact Sheet: Selecting Energy Efficient Windows in Kansas

www.collaborativeefficientwindows.org

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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, unobstructed views and maximize natural daylight, reducing the need for artificial lighting.

Improved Comfort

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

Reduced Condensation

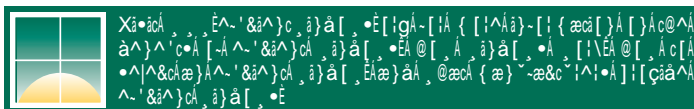
High performance windows have multiple panes and gas fills that reduce condensation on the interior surface.

Reduced Fading

Low-emissivity (low-E) coatings on window panes help reduce ultraviolet radiation, protecting 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 key indicator of energy efficiency. It is awarded to 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 National Fenestration Rating Council (NFRC) label provides detailed performance metrics for windows. Key metrics include U-Factor, Solar Heat Gain Coefficient (SHGC), Visible Transmittance (VT), Air Leakage, and Condensation Resistance (CR).

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 window product performance. These ratings are determined on a basis of laboratory conditions and do not represent actual field performance. Product performance may vary. For more information, visit 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 value of energy efficient windows. Factors like climate, house size, and window quality significantly impact 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, including window placement and orientation.

