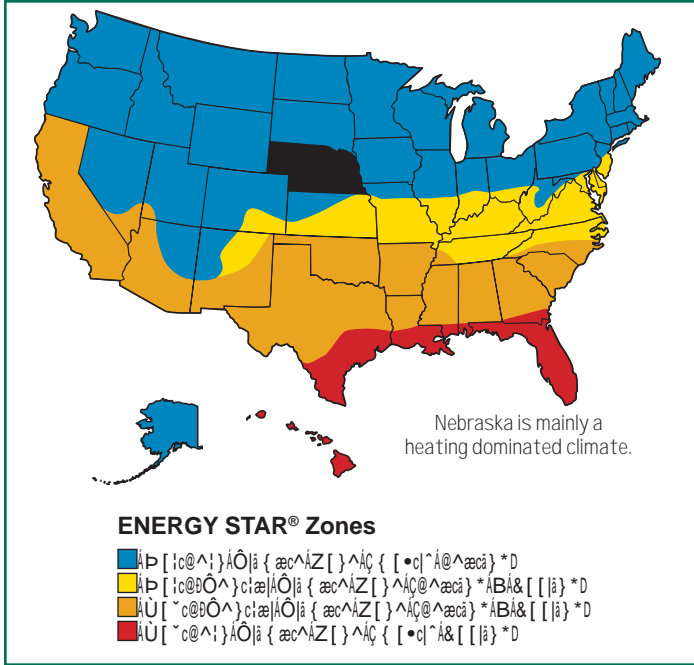




# Fact Sheet: Selecting Energy Efficient Windows in Nebraska

Nebraska is mainly a heating dominated climate.

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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 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

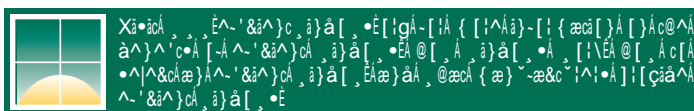
Energy efficient windows have multiple panes and gas fills that reduce condensation on the interior glass surface.

### Reduced Fading

High performance windows often feature UV inhibitors that help protect interior furnishings from fading.

### Lower Mechanical Equipment Costs

By reducing energy loads, high performance windows can help lower the size and cost of HVAC equipment.



## 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 NFRC (National Fenestration Rating Council) label provides detailed performance metrics for windows. Key metrics include U-Factor, Solar Heat Gain Coefficient (SHGC), Visible Transmittance (VT), Air Leakage (AL), and Condensation Resistance (CR).

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

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

