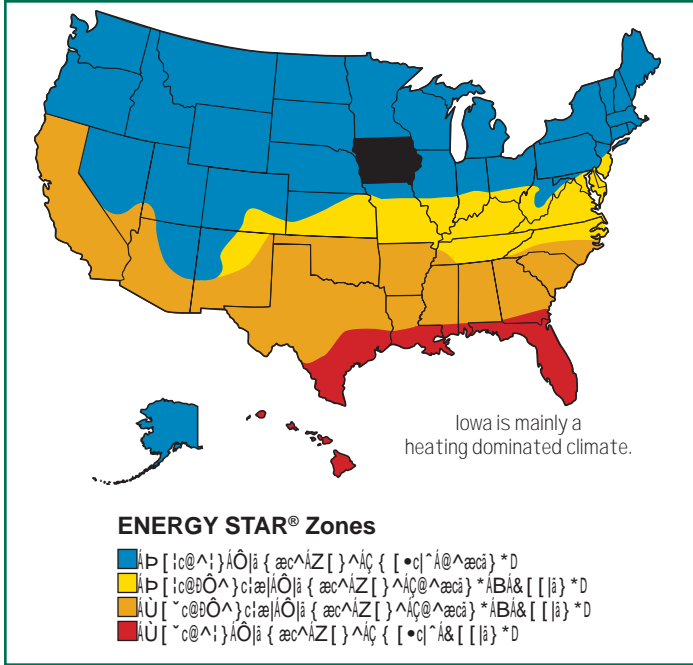




# Fact Sheet: Selecting Energy Efficient Windows in Iowa

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, leading to lower utility bills.

### Improved Daylight and View

Energy efficient windows provide clear, unobstructed 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 and air quality.

### Reduced Condensation

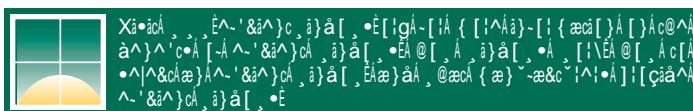
High performance windows have multiple panes and gas fills that reduce condensation on the interior glass surface.

### Reduced Fading

Energy efficient windows often feature low-emissivity coatings that block harmful UV rays, protecting interior furnishings from fading.

### Lower Mechanical Equipment Costs

By reducing the load on heating and cooling systems, high performance windows can lead to lower equipment costs and longer system life.



## 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). For windows, this means they have a U-factor of 0.35 or lower and a Solar Heat Gain Coefficient (SHGC) of 0.32 or lower.



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

The National Fenestration Rating Council (NFRC) label provides detailed performance data for windows. Key metrics include U-factor, SHGC, Visible Transmittance, Air Leakage, and Condensation Resistance. These ratings help consumers compare different window products and make informed choices.

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. 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. By reducing energy consumption, these windows can significantly lower annual utility bills.



## 4. Customize Energy Use for a Specific House

Customizing energy use for a specific house involves considering factors like climate, house size, and window placement. Energy modeling software can help homeowners predict energy consumption and identify areas for improvement.

