

**Renewal by Andersen® Window Replacement:  
Energy Efficient Windows Are Critical In Keeping  
Rising Energy Bills At Bay**

Tired of opening your monthly heating bill to find high charges? Replacing your windows is one of the best decisions you can make for improving your home's comfort and energy efficiency. Poor-performing windows can waste up to 40% of heating energy in winter. With the high cost of energy, that's a lot of money going right out the window. Even worse, and often overlooked, poor-performing windows can lose up to 50% of a home's cooling energy in summer.\*

Replacing your windows with properly insulated, energy efficient windows will improve both a home's coolness in summer and warmth in winter. Knowing your investment will pay off over time, it is wise to understand how to select energy efficient replacement windows. Renewal by Andersen offers these tips on what to look for when shopping for energy efficient replacement windows:

**Low-E Glass**

Low-E glass reflects heat back to its source, helping to keep your home cooler in the summer and warmer in the winter.

Every Renewal by Andersen® window comes standard with Andersen's exclusive High-Performance™ Low-E4™ glass. Compared to ordinary dual-pane glass, High-Performance Low-E4 glass is 35% more efficient in winter and 41% more efficient in summer. Depending on where you live, that can cut your energy bills up to 25%.\*\* And, Low-E4 glass has a special exterior coating that makes cleaning easier and reduces water spots by up to 99% when activated by sunlight, offering homeowners a new standard of energy efficiency performance and low-maintenance features.

**Meet the Department of Energy's (DOE) ENERGY STAR® Qualifications**

These can help you achieve substantial savings on heating and cooling costs. According to the DOE, installing an ENERGY STAR qualified window that matches your climate zone will save you \$110 - \$400 a year in energy costs when replacing single pane windows and \$20 - \$85 per year when replacing double-paned, clear glass windows.

Renewal by Andersen® windows meet ENERGY STAR performance criteria for all climate regions of the U.S.

### **Green Seal Certification**

Green Seal is a national nonprofit environmental organization that helps consumers choose environmentally responsible products.

Andersen Corporation is the first and only window manufacturer to receive Green Seal Certification, including certification of all Renewal by Andersen® windows. Green Seal estimates that if all windows in the U.S. were as energy efficient as those made by Andersen Windows, Americans would save up to 2.5% of the annual U.S. energy consumption—an estimated 200 gallons of oil for every household in the U.S.

### **NFRC-Rating Efficiency Label**

To help homeowners compare window products, the National Fenestration Rating Council (NFRC) established an independent, industry-wide standard for rating and labeling windows. The NFRC label shows thermal insulating performance based in U-Factor and Solar Heat Gain Coefficient (SHGC), and can be found on all ENERGY STAR qualified windows.

Renewal by Andersen displays the NFRC label on all its windows. This label means that the entire window unit has been tested for energy performance, not just the center of the glass or part of the frame.

### **Insulating Framing Material**

Framing materials play an important role in energy efficiency. You'll want to know how resistant the material is to expanding and contracting with changes in temperature.

Framing materials made from composite materials, like the revolutionary Fibrex® material in Renewal by Andersen® windows, offer the benefits of low-maintenance and high insulating value. Windows made from Fibrex material resist the transfer of heat and cold in and out of your home. This helps keep your home cooler in the summer and warmer in the winter. Fibrex material is resistant to temperature changes and is exceptionally resistant to rot and fungal growth. \*\*\*

### **Proper Window Installation**

Quality installation is essential if you are to get the full benefits of efficient windows. Even the highest quality window will be greatly diminished in energy efficiency if you allow heavy air infiltration between the rough framing and the window.

Renewal by Andersen windows are custom made to precisely fit each window opening in your home, and they are installed by professional Renewal by Andersen installers who are experts at providing a tight, weatherproof fit.

Replacing your home's windows is a considerable investment but well worth the expense if you are losing energy through a window's openings, frustrated with non-functioning windows or tired with the maintenance of your older windows. With today's highly energy-efficient windows in a variety of designs, there are plenty of cost-saving, aesthetic and functional advantages to replacing windows.

### **Consumer Resources**

For more information on energy-efficient and environmentally responsible windows, visit the following Web sites:

[www.renewalbyandersen.com](http://www.renewalbyandersen.com) – Renewal by Andersen

[www.greenseal.org](http://www.greenseal.org) - Green Seal Organization

[www.doe.gov](http://www.doe.gov) - U.S. Department of Energy

[www.energystar.gov](http://www.energystar.gov) - ENERGY STAR

[www.nfrc.org](http://www.nfrc.org) - National Fenestration Rating Council

Renewal by Andersen offers homeowners a variety of window and patio door design options through one of the largest nationwide networks of window replacement specialists spanning coast to coast.

The Renewal by Andersen exclusive start-to-finish process provides homeowners with the benefit of working with a professional company throughout the entire process—from sales through installation and service—and it promises one-stop accountability.

If you think you may need to replace your windows, give Renewal by Andersen a call or visit [www.renewalbyandersen.com](http://www.renewalbyandersen.com). Renewal by Andersen product experts can provide a free in-home consultation at a time convenient for you.

\* Windows and Doors- MN Department of Commerce Energy Information

\*\* A study of identical homes comparing Low-E4™ glass to ordinary dual-pane glass showed a 25% savings on cooling bills, 10% on heating. Savings may vary geographically.

\*\*\* See the 20/2/10 year limited warranty for details.

"ENERGY STAR" is a registered trademark of the U.S. Environmental Protection Agency.

"Renewal by Andersen" and all other marks, where denoted, are trademarks of Andersen Corporation. ©2006 Andersen Corporation. All rights reserved.