

**Renewal**  
by Andersen®



WINDOW REPLACEMENT an Andersen Company

**ENVIRONMENTAL  
AND ENERGY SOLUTIONS**



*The Better Way to a Better Window®*



## 5 answers to our energy and environmental challenges:

1. Renewing Existing Housing
2. Indoor Air Quality
3. Smart Use of Materials
4. Smart Use of Energy
5. Long Product Lifecycles

## Renewing Existing Housing

**Renewal by Andersen has replaced over six million windows in over 700,000 homes.** From an energy and environmental perspective, this is a significant accomplishment.

Little known, but alarming fact is that **the average home uses significantly more energy and is responsible for more carbon emissions than the average automobile!**<sup>1</sup> Making homes more energy efficient benefits property values, neighborhood livability, and keeps older homes relevant longer. Replacing inefficient windows and doors is beneficial in lowering your energy cost and consumption, and gives you more control of your comfort and pocketbook.

When Andersen Corporation founded Renewal by Andersen, it wasn't creating the first window replacement company. To succeed, we had to become the first to redefine the industry by bringing the latest energy and material technology to homeowners looking for a start-to-finish window replacement service. Today, **we bring contemporary, high quality windows and doors to our nation's existing housing stock from coast to coast.**



<sup>1</sup> Source: [www.epa.gov](http://www.epa.gov) - United States Environmental Protection Agency



## Indoor Air Quality

Certified to meet the strictest indoor air emission standard in the United States.



Renewal by Andersen and its parent company, Andersen Corporation, are the only window companies to receive the Scientific Certification Systems (SCS) Indoor Advantage™ Gold certification. This certification is the strictest indoor air emission standard in the United States and meets the California Section 01350 Specifications.



SCIENTIFIC CERTIFICATION SYSTEMS  
SCS-IAQ-01706  
SCS-IAQ-01707

### ...poor indoor air quality is one of the top 5 health hazards in America.

Poor indoor air quality is one of the top 5 health hazards in America.<sup>1</sup> Most of us spend 90% of our lives indoors where toxins can enter the air through off-gassing: a process where toxins are released through evaporation from building materials. Some products continue this evaporation for years after their installation which means you continue to breathe these chemicals night and day. Choosing responsibly manufactured products is good for everyone. Fresh air should be all you breathe after replacing your windows.

## Energy Savings and You

It's estimated 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 percent of the annual U.S. energy consumption—an estimated 200 gallons of oil for every household in the U.S.



<sup>1</sup> Source: www.epa.gov - United States Environmental Protection Agency



## Smart Use of Materials

- Fibrex® composite material
- High-Performance™ LOW-E4® glass

## Leadership in Reclaiming and Reusing Materials

### Fibrex® Material Frames

**Renewal by Andersen® windows have achieved the highest SCS certified recycled content of any window replacement company.**

Nationally recognized for leadership, the independent testing labs of Scientific Certification Systems (SCS) verified that our Fibrex® material window frames and sash contain 40% reclaimed wood fiber by weight. Fibrex composite material offers the strength and insulating value of wood with the low maintenance features of vinyl that never requires painting and will not crack, pit, corrode or rot.<sup>2</sup> We reclaim much of our wood fiber from Andersen Corporation's wood window manufacturing facilities.

### High-Performance™ LOW-E4® Glass

**High-Performance™ LOW-E4® glass is made from a minimum of 12% reclaimed glass by weight.**

Standard on all Renewal by Andersen windows, High-Performance Low-E4 glass features an innovative coating that, when activated by sunlight, helps reduce water spots up to 99%,<sup>3</sup> making your view better and cleaning easier. What's more, our glass helps block harmful UV rays entering your home and cuts down on noise pollution by reducing sound penetration.



## Renewal by Andersen's approach to sustainable window replacement





## 4. Smart use of Energy



Windows can play a large role in a home's annual heating budget. In fact, the U.S. Department of Energy estimates that windows can account for as much as 40% of your annual heating and cooling costs.

**Renewal by Andersen® window replacement can save you up to 25% on your energy bills.<sup>4</sup>** Our windows are 14% more energy efficient than the stringent ENERGY STAR® criteria in all areas of the country. In addition, our newest glass option, SmartSun™ glass, is our most energy efficient glass ever. SmartSun glass is 70% more efficient in summer and 45% more energy efficient in winter than ordinary dual pane glass.<sup>5</sup>



## 5. Long Product Lifecycles

**Construction waste is a major source of landfill waste in the United States.** Every day, Renewal by Andersen replaces windows in homes that are less than 10 years old. Choosing products that are built to last is one of the most important ways to limit landfill waste. Renewal by Andersen products have a long life-cycle, backed-up by one of the strongest warranties<sup>2</sup> you will ever find.

Saving a few dollars now could mean another replacement project just a few years down the road, but with Renewal by Andersen, you'll have the confidence your new windows will provide many years<sup>2</sup> of comfort and peace of mind.



<sup>2</sup> See Renewal by Andersen® products and installation transferable limited warranty for details. <sup>4</sup> A study of identical homes comparing Low-E glass to ordinary dual-pane glass showed a 25% savings on cooling bills, 10% on heating. Savings may vary geographically. <sup>5</sup> Values are based on comparison of Renewal by Andersen® double-hung insert window U-Factor to the U-Factor for clear dual-pane glass non-metal frame default values from 2006, 2009, 2012, 2015 and 2018 International Energy Conservation Code "Glazed Fenestration" Default Tables.

# Partnerships and Affiliations



The **National Fenestration Rating Council (NFRC)** is a voluntary third party certification program designed to ensure accurate and credible window performance rating and labeling. Renewal by Andersen meets all NFRC requirements and displays the NFRC label on its windows.



**ENERGY STAR®** is a voluntary labeling partnership of the U.S. Environmental Protection Agency (EPA) and the Department of Energy that identifies and promotes energy efficient products in order to reduce carbon dioxide emissions. Renewal by Andersen windows exceed ENERGY STAR criteria throughout the United States.



Andersen has been recognized by EPA as a charter member of the **National Environmental Performance Track** initiative, due to our commitment to sound environmental management, continuous improvement, public outreach and community involvement.



**Project XL** is a national pilot program of the EPA. The Andersen XL project uses a unique environmental performance ratio measurement that promotes continued VOC reductions on a production volume basis.



Andersen® products help commercial and residential buildings meet the **U.S. Green Building Council's** Leadership in Energy & Environmental Design (LEED) program certification in three areas: energy efficiency, materials and resource conservation and indoor environmental quality (ventilation and daylighting).



Andersen is a member of the **Alliance to Save Energy**, an organization made up of members of congress and corporate executives committed to promoting energy efficiency.



## THE ANDERSEN LEGACY – A Long Standing Commitment to the Environment

Renewal by Andersen is the start-to-finish window replacement division of Andersen – the most recognized name in windows. Andersen's heritage includes a long-standing commitment to leadership in environmental stewardship and manufacturing energy efficient products.

This commitment has grown from many generations of employees striving to be smarter, different and better in the way we use natural resources, and is exemplified in the design, craftsmanship, durability and quality of our windows. Renewal by Andersen carries this tradition through products that have minimal impact on the environment, reduce energy consumption, and last for years to come.<sup>2</sup>



<sup>2</sup> See Renewal by Andersen® products and installation transferable limited warranty for details. "Indoor Advantage" is a trademark of Scientific Certification Systems. "Renewal by Andersen" and the Renewal by Andersen logo are registered trademarks of Andersen Corporation. All other marks where denoted are marks of Andersen Corporation © 2020 Andersen Corporation. All rights reserved. RBA12211 Reorder RL-2035