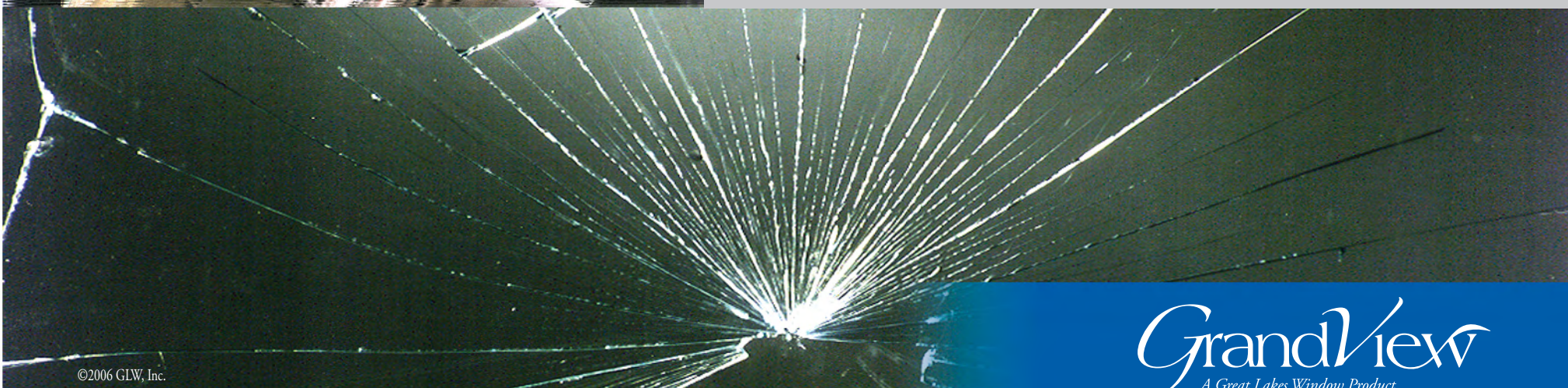




Why

WHY REPLACE YOUR
OLD WINDOWS?



YOU'RE PAYING FOR NEW WINDOWS...

**Whether you buy
them or not.**

According to the U.S.
Department of Energy
and H.U.D.

71% of your heating dollars
46% of your air conditioning dollars

are lost through windows and doors.



WHY REPLACE YOUR OLD WINDOWS?

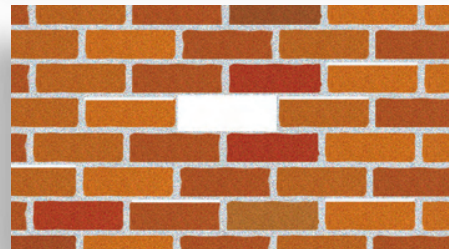
They Cause Energy Loss

Over 40% of a home's energy loss is through windows and doors.

U.S. Department of Energy



Air movement through sash and frames waste energy and money.



A 1/16" gap around a window = 1 brick

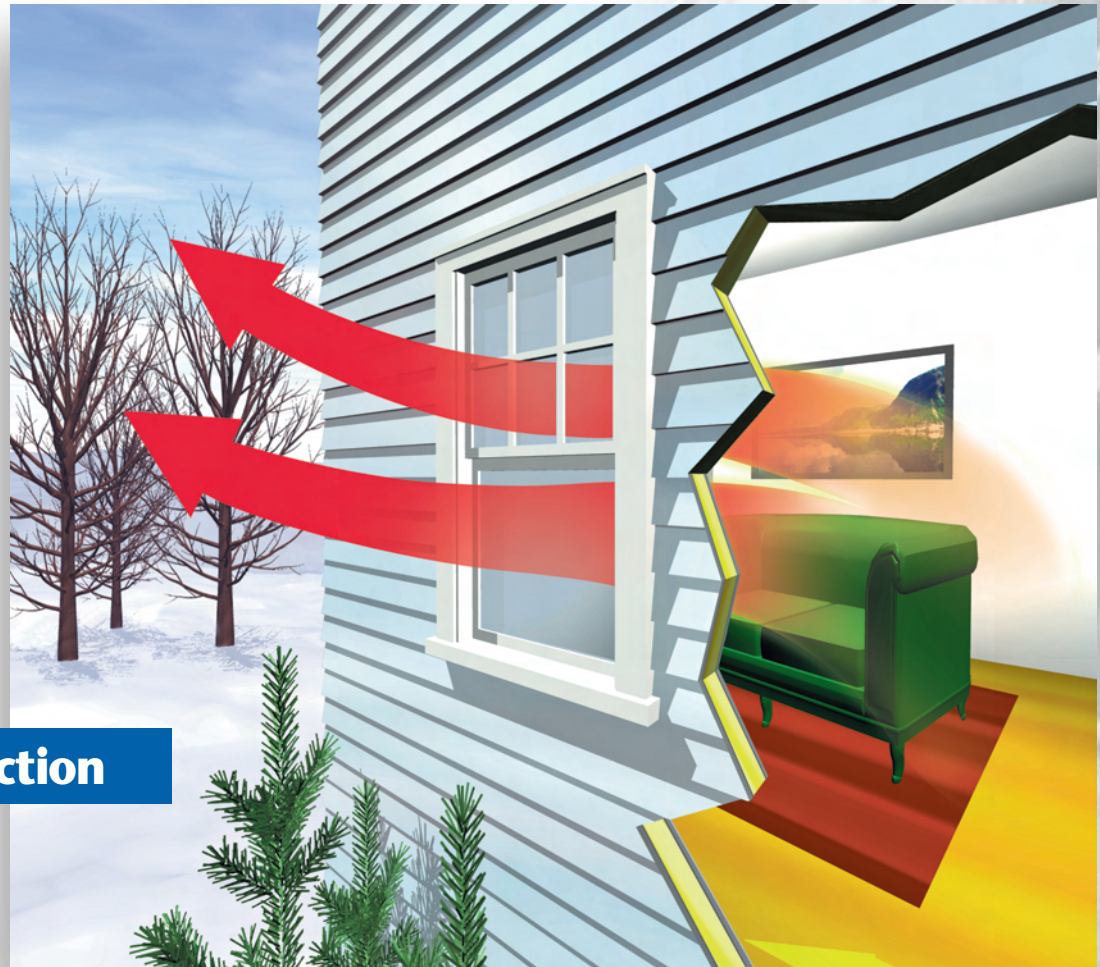


12 windows with 1/16" gaps = 12 bricks

WHY REPLACE YOUR OLD WINDOWS?

They Cause Energy Loss

Conduction



0° Outside

In winter, cold air literally pulls the warm air out of your home.

75° Inside

WHY REPLACE YOUR OLD WINDOWS?

They Cause Energy Loss

Radiance



During Summer, heat pours into your home through a process called Direct Radiation.

WHY REPLACE YOUR OLD WINDOWS?

They Create Structural Damage

- Rot
- Water staining/damage



They are Unsightly

- Detract from your home's appearance
- Reduced curb appeal
- Reduced home value



They Require High Maintenance

- Repairing
- Scraping/painting/staining
- Caulking
- Difficult cleaning



WHY REPLACE YOUR OLD WINDOWS?

They Reduce Your Level of Comfort

- Drafts
- Interior temperature differentials or cold spots
- High ambient sound levels



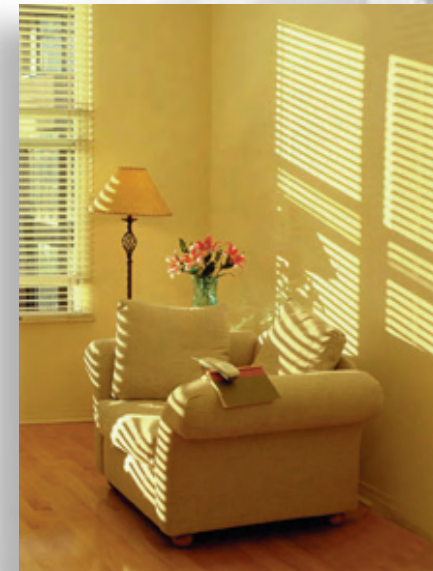
They Reduce Your Security and Safety

- Unsafe to clean
- Unsafe to operate
- Limited barrier to forced entry



They Allow Sun/Heat Damage

- Photochemical Damage
- Furniture, Carpet and Curtain Fading
- Fabric Degradation





OR

WHAT ARE
YOUR OPTIONS?

WHAT ARE YOUR OPTIONS?

Adhesive Film

Advantages

- Initially inexpensive
- Readily available
- Size customizable
- Do-It-Yourself

Disadvantages

- Needs reapplication annually
- Non-reusable
- Eliminates ventilation possibilities
- High long-term costs (material, labor, higher energy-costs)
- Unattractive
- Poor clarity
- Poor energy efficiency
- Install in warm weather only



WHAT ARE YOUR OPTIONS?

Storm Windows

Advantages

- Initially inexpensive
- Moderately reduce air infiltration
- Readily available
- Do-It-Yourself

Disadvantages

- Poor energy-efficiency
- High air infiltration
- Continual maintenance required
- Twice the glass to clean
- No added solar protection
- Unsightly
- Minimal warranty coverage



WHAT ARE YOUR OPTIONS?

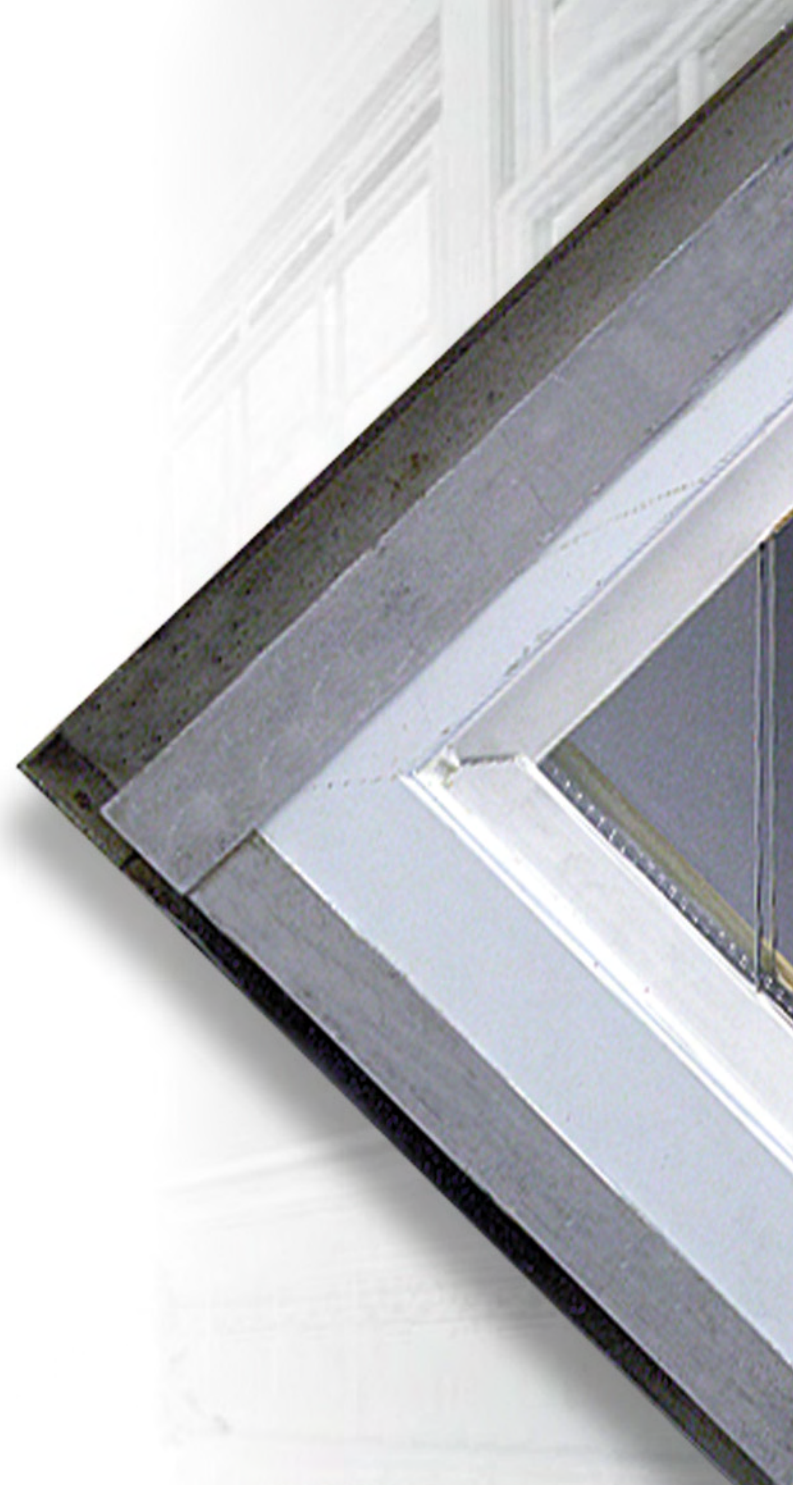
Aluminum/Metal Windows

Advantages

- Initially inexpensive
- Moderately reduce air infiltration
- Readily available
- Do-It-Yourself

Disadvantages

- Poor energy-efficiency
- High air infiltration
- Continual maintenance required
- Twice the glass to clean
- No added solar protection
- Unsightly
- Minimal warranty coverage



WHAT ARE YOUR OPTIONS?

Wood and Wood Clad Windows

Advantages

- Attractive
- Can be painted and stained to match decor
- Readily available
- Vast styles and options
- Initially moderately priced

Disadvantages

- Short 'life-span'
- Absorb water *(even if clad)*
- Prone to discoloration and rot
- Maintenance required
- Air infiltration
- Minimal warranty coverage
- Stock sizes only



WHAT ARE YOUR OPTIONS?

Vinyl – Fabricated

Advantages

- Custom sizing
- Readily available (*over 3000 fabricators in U.S.A.*)
- Initially inexpensive
- Insulating glass

Disadvantages

- Mechanically or first generation weld assembled
- Thick sight-lines (*reduced visible glass area*)
- Unsightly (*no architectural detailing*)
- Hollow frames
- Poor structural performance
- Inferior hardware
- Require caulking
- Weep holes (*air infiltration*)
- Limited options
- Varying warranty
- Widely varying pricing



WHAT ARE YOUR OPTIONS?

GrandView Windows – Custom (*proprietary by design*)

Advantages

- Attractive
- Complementing architectural details
- High energy-efficiency
- Low-maintenance frame and glass
- Strong extrusions
- High-quality locking and operating hardware
- Custom made for your home
- Strong warranty

