ENERGY SAVINGS

Did you know that the single largest source of energy loss in a home is its windows? Moreover, older homes with standard windows typically have higher-than-normal energy bills – in part because of doors and windows that seal poorly or offer no insulation. Energy exits the windows in four different scenarios: **infiltration, conduction, radiation, and convection**.

Infiltration occurs when cold air leaks into your house through your windows, making your home feel drafty and uncomfortable. The biggest leaks for escaping air are often found in the windows, entry doors, the attic, and recessed lights. Does this sound like your home?

Conduction occurs when Mother Nature is heating and cooling the glass from the outside, while your home is trying to do it from the inside. Guess who wins? An example of Mother Nature winning the conduction game is icicles forming around the edge of the window.

Radiation is just what it means. Like a car's radiator, your windows, will radiate your heating or cooling dollars right out the window.

Convection occurs when air gives up its heat to the cooler glass and sinks toward the floor. This movement sucks new, warmer air toward the glass that is in turn cooled, creating a draft.

Since 2001 energy costs have increased an average of 109%. We all know that it will never go down. So it's a safe bet that replacing your windows is a sure investment. **You can expect to save from 20% to 40% on your energy bills when replacing your windows.**

Now, what makes windows energy efficient and saves you a ton of money on your energy bills? You might be surprised to learn that multi-pane glass is no longer the main measure of efficiency. New advanced technologies and designs have dramatically improved the performance of most energy efficient windows. Glass coatings, gas fills, warm edge spacer technology (which eliminates the icicles around the edge of the inside glass), and improved framing materials enable replacement windows to deliver more benefits than just simple double pane windows.