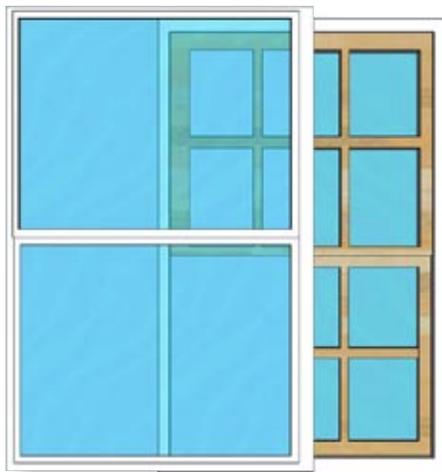
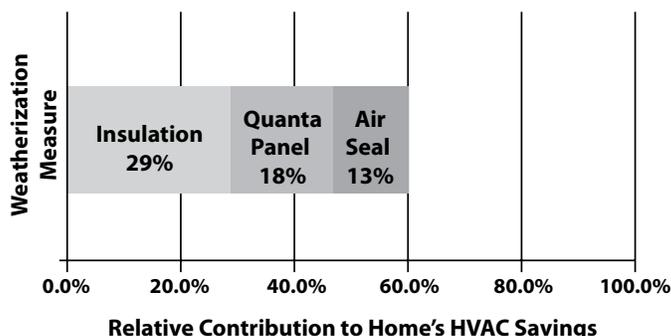


An infrared thermograph identifies sources of heat loss in this home. Red indicates zones of maximum heat loss. Images such as this can be used to identify where improvement is most needed.



As a secondary sash system that provides the same energy savings as Energy Star® replacement windows, QUANTAPANEL IGS installs over your existing windows—there is no need to rip them out!



## We improve your comfort and reduce your utility bill by keeping energy from flying out your windows.

*Are you letting energy efficiency escape you? More importantly, is energy escaping your home and unnecessarily inflating your utility bill?*

QUANTAPANEL™ Insulating Glass System (IGS) can economically solve a key area of your home's energy loss problem by maximizing the energy efficiency of your existing windows.

**Did you know you may now have the ability to reduce your annual energy bill by more than 25%—while at the same time, improve your personal comfort?**

Typically, 50-60% of your household's energy consumption is for heating, ventilation and air conditioning (HVAC). But recent advancements for minimizing energy losses through a home's structural components—known as the "building envelope"—have created cost-effective solutions for homeowners. Thus, it is now economically feasible for you to reduce your home's HVAC losses by as much as 50-60%, by:

1. Sealing and weather-stripping;
2. Adding insulation to walls and attic and
3. Improving the thermal performance of existing windows—***this is where the QUANTAPANEL IGS comes in.***

With windows accounting for as much as 1/6 of your home's energy loss, they are a necessary target for improvement. One way is through installing high performance (and high cost) Energy Star® replacement windows, which can reduce energy losses by greater than 50%.

***But thanks to our technology, there is a better option...***



## Our view from your windows:

A much more cost-effective way is through the QUANTAPANEL™ Insulating Glass System—typically for less than 15% of the installed cost of replacement windows. Equally important, the QUANTAPANEL IGS employs the same technology as new Energy Star® replacement windows and has been demonstrated by the US Department of Energy to reduce energy losses through existing windows by greater than 50%. And it does so without having to rip out your existing windows and install expensive new ones.

### *Other important considerations about the QUANTAPANEL IGS include:*

#### How it works

As a secondary, operable sash system installed on the exterior of your home, it goes directly over your existing single pane or double pane windows. It employs the same energy loss reduction mechanisms with the same results as those used by Energy Star® Replacement Windows: 1) reduced air infiltration, 2) a static air pocket or dead air space that reduces both conductive and convective heat loss, and 3) a patented, low-e coating on the glass that substantially decreases radiant heat loss.

#### Operating details

Operating details—From specific measurements of your existing windows, QUANTAPANEL IGS units are custom-built to fit. They can be designed with horizontal or vertical sliding sashes with screens, enabling you to open your windows as you normally do when you do not operate heating or air conditioning. The aesthetics of the home's existing windows are preserved and, in many cases, the exterior application protects the existing window from inclement weather, thus reducing maintenance costs.

#### The support

The U.S. Department of Energy with the support of Lawrence Berkeley National Labs have performed field evaluations and empirical tests to demonstrate and document the QUANTAPANEL IGS technology's performance and energy savings—shown to reduce energy losses through existing single pane and double pane metal-framed windows by more than 50%.

***To learn more about the beauty and benefits of the QUANTAPANEL Insulating Glass System, as well as to locate weatherization specialists available in your area, please visit: [www.quantapanel.com](http://www.quantapanel.com)***

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***"I installed QUANTAPANELs on my home, a historic property built in 1833. As a sub-contractor, I wanted to personally test the benefits of this new technology before recommending it to prospective customers. There has been a substantial difference in comfort. Equally important, the low profile design of this product makes it indistinguishable from my existing windows—a critical consideration to the historic commission. I have the energy benefits of the QUANTAPANEL system and the beauty of my original windows."***

*—Allen D. (Port Deposit, MD)*

