



# Comfort Finally Has An ROI!

Indow recently completed testing at Portland State’s Green Building Research Laboratory, which found some surprising insights:

## Table 6 Modeled and Measured annual gas usage before and after the installation of Indow inserts

Pilot Homes	Natural gas usage Before Indow inserts (Therms)		Natural gas usage After Indow inserts (Therms)		Savings (%)	
	Modeled	Measured	Modeled	Measured	Modeled	Measured
N. Portland	408	511	318	453	22%	11%
McMinnville	502	531	445	385	11%	27%
Vancouver	421	452	384	349	9%	23%
Milwaukie	469	510	436	438	7%	14%
<b>AVERAGES</b>	450	501	396	406	9.8%	<b>19%</b>

“The important result from this table is that, in the aggregate, the homes are anticipated by the model to save roughly 10% on their natural gas bills. The fact that the average measured savings was nearly double this (at 19%) might be a direct result of the thermal comfort benefits of the Indow inserts. Specifically, since the interior window surface of the Indow product is much warmer than would be the inner surface of the single pane of glass, the occupant within the building will feel warmer standing next to the Indow window insert, than standing next to a single pane of glass even if the room air temperature is the same in both cases. As a result, the occupant is more likely to operate their home heating system at a lower thermostat setting after the Indow inserts are installed.”

### YES! INDOW INSERTS SAVE MORE MONEY THAN EXPECTED BECAUSE IT MAKES PEOPLE SO COMFORTABLE.

#### Here is why Indow inserts should be included in every energy efficiency program

- Indow inserts effectively reduce heating energy consumption by almost 20% delivering superior comfort that keeps customers from dialing up their thermostats
- Homeowners almost always identify their windows as the source of their energy loss and discomfort. Effective energy efficiency programs will embrace this customer desire (rather than arguing with it) and complete whole home weatherization projects by offering Indow inserts
- If you insulate the whole home but do nothing about their windows they will still be suffering from cold drafts and will end up miffed at the utility and home performance contractors.

**CHECK OUT THE FULL REPORT:** [www.indowwindows.com/research-development/psu-interior-storm-windows/](http://www.indowwindows.com/research-development/psu-interior-storm-windows/)