In 2007, the homeowners of this 5,000 sq. ft. custom home in Scottsdale, Arizona had Icynene spray foam installed by a licensed Icynene contractor. The result has been incredibly low gas and electricity bills and savings that continue to add up many years later.

Homeowners Peter and Linda Volny moved to Arizona to escape the Canadian cold and build their dream home. The home they created, located in a gated community in the picturesque desert city of Scottsdale, is a 5,000 sq. ft. custom home built on a mountainside lot.

Scottsdale’s location means that it is notoriously hot, particularly during summer where the average temperatures can hover around 104°F (40°C), yet the average low during winter can be as low as 40°F (4°C). The city has more than 300 days of sunshine each year.

The Design and Installing Icynene
The large custom home features a flat roof and an abundance of glass, including glass doors for the triple garage. The homeowners’ builder recommended using Icynene spray foam insulation in the home. Upon learning about the immediate and long-term benefits of the modern insulation material, the couple had a licensed Icynene spray foam contractor install Icynene Classic™ (LD-C-50™) into the home’s roof space and exterior walls including the garage.

With a sponge-cake like texture, Icynene Classic™, expands within seconds of application to fill in every gap and cavity within a building envelope. The product has been used in thousands of residential and commercial buildings since it’s creation in 1986. For the Volny’s, the installation went smoothly and they have enjoyed the comfort and long-term savings of Icynene spray foam ever since.

After living in the home for about three years, we realized that none of the three furnaces [in the house] had ever been switched on, even when temperatures dropped in the winter.

Peter Volny, Homeowner

Comfortable Living
Since having Icynene installed into their home, the homeowners have been able to live comfortably throughout the year. The home’s three furnaces have not been switched on at all, even during the colder winter months. In fact, the homeowners had to manually adjust their thermostat to force the furnaces to switch on, just to ensure they still functioned!
The 5,000 sq. ft. home remains cool in the summer and warm during the winter thanks to the Icynene spray foam insulation. Additional benefits that the homeowners noticed were the insulation’s sound dampening qualities as well its ability to keep pests out of their home.

A very welcomed benefit is that the dreaded scorpions, common to this area, cannot penetrate through the Icynene insulation.  
*Peter Volny, Homeowner*

The homeowners say they've had only three scorpions enter the home, which they say have sneaked in through the home’s main doors.

**The Result**

Even with the vast amounts of glass, the house is able to stay cool during summer and warm during winter. The home’s thermostat is set to 75°F (23°C) and the homeowners say that their electricity bills are much lower than their neighbors who have other, more traditional insulation in their homes. The homeowners say their heating bills are non existant.

The homeowners are so impressed with the comfort, sound dampening and lower utility bills, that they actively recommend Icynene when talking with their friends and neighbors.

To say that we are pleased with Icynene is a gross understatement. Thank you for a wonderful, incredible and amazing product.  
*Peter Volny, Homeowner*

Footnotes:
1. Icynene Inc. would like to thank Peter and Linda Volny for their assistance with this document. All photographs supplied by Peter Volny.

For further information, contact your local licensed Icynene dealer.