Located in a quiet and picturesque neighborhood of Raleigh, North Carolina, this two storey custom-designed home features spaces ideal for individual retreats and large group get-togethers. Even during construction, the home’s Icynene insulation was noticeably at work providing optimal thermal comfort and air-sealing.

This 4,100 square-foot family home is set amongst the trees of the picturesque and quiet neighborhood of Parker Falls in Raleigh, North Carolina.

Completed in Spring 2013, the custom home is close to Falls Lake and Falls Lake Recreation Area. The home, designed and built by local builder Savvy Homes, features four bedrooms, four bathrooms, a full gourmet kitchen, office as well as two bonus rooms.

The Design
The home sits on one-acre parcel of land and was designed to feature open concept living spaces to allow each of the four family members have their own quiet space as well as a communal space where they could host friends and family.

The owners wanted to create their dream home packed with everything they ever wanted in a home, after living in a 25-year old home which had exhorbitant $300-a-month heating and cooling costs.

We lived in a home that was 25 years old and had a $300-a-month heating and cooling bill. In this area that’s outrageous, so it was really important to not only have a really warm home but also keep our long term costs down.

Jim Swingle, Homeowner

Selecting the Right Insulation
Being in the building industry, the owner looked at a range of insulation options including traditional fibreglass batt insulation and blown-in blanket (BIBS) insulation but opted to have Icynene spray foam insulation installed in the home due to its reputation for performance and quality.

Premier local licensed Icynene contractors, Prime Energy Group, were approached to work with the home owners to install Icynene Classic™ (LD-C-50™) spray foam insulation. Icynene Classic™, used in thousands of homes since 1986, is an insulation and air-sealing material that expands up to 100 times its size.
to provide year round thermal comfort and protection against air leakage. The owners chose Icynene because they understood the product was going to deliver the best performance and completely seal the entire building envelope.

Just days after the Prime Energy Group team successfully installed the Icynene spray foam solution, contractors began the drywall process which was the true indicator that the owners had made the right choice. Contractors used heating equipment to help speed along the drywall drying process. The following day the owners had visited the construction site to inspect the progress and noticed the home was still warm thanks to the Icynene product.

We came into the house the next morning after that had happened and I looked at my wife and said “It still feels warm in here”. That’s when she looked at me and said “I guess we made the right decision with the Icynene product”.  
Jim Swingle, Homeowner

Living Comfortably
The home was completed in Spring 2013 and has already provided the family assurance that they made the right choice in choosing Icynene spray foam insulation. In selecting Icynene, the owners evaluated both the total cost and long-term value concluding it is a smart investment for their family. The owner has since recommended Icynene spray foam insulation to others due to its properties. This family of four can now enjoy a comfortable living environment without incurring excessive heating and cooling costs.

Footnotes:
1. Icynene Inc. would like to thank Icynene contractor, Prime Energy Group, Mr. Jim Swingle and Savvy Homes for their assistance with this document.

For further information, contact your local licensed Icynene dealer.