For more than 40 years, Forge Valley Flowers has been providing innovative and beautiful floral and garden arrangements for the communities of Wayne and Bridgeport in Pennsylvania. Their newest store in Wayne is an excellent example of sustainability.

Designed to invoke a whimsical wonderland feeling, the family-run Forge Valley Flowers has provided customers with amazing floral and garden arrangements for 42 years.

Recently, the owner sought to expand their business in an energy efficient and sustainable manner. A new barn-style building was developed with numerous energy-saving and sustainable building materials and processes including Icynene spray foam insulation.

Built across from the original store, the new barn-style store uses geothermal technology together with closed cell spray foam insulation to achieve the owner’s ideal energy usage goal. The barn also features around 60 skylights that allow natural lighting to flood into the store, helping minimize the reliance on additional lighting and thereby reducing energy use.

Licensed Icynene spray foam contractor, Next Generation Insulation was tasked to help insulate the new building with Icynene ProSeal closed cell spray foam. The spray foam crew installed 3” of Icynene ProSeal spray foam to the exterior walls of the barn as well as a further 6” of foam to the roof deck.

Icynene ProSeal features an R-Value of 7.1” per inch and can be applied in a broad range of substrates, temperatures and humidity conditions making it ideal for use in large retail, commercial or industrial spaces.

With more than 80% of the foamed area to be covered by beautiful Cypress wood, the spray foam crew applied thermal and ignition barrier, DC-315 Paint to Protect.

The new Forge Valley Flowers store in Wayne is a visually stunning and inviting example of how a small, family-run business can become a environmentally sensitive and green business with the assistance of building materials such as Icynene spray foam insulation.

Footnotes:
1. Icynene Inc. would like to thank Icynene contractor, Next Generation Insulation LLC for their assistance with this document. Photographs supplied by Next Generation Insulation LLC.