



KEYSTONE GREEN BUILDING INITIATIVE FIRST GREEN HOME CASE STUDY

Location:	Doylestown, PA
Floor Space:	3,800 ft²
Construction Dates:	March, 2006 to January, 2007
Built By:	David Hartke, Stampfl Hartke Associates

ABOUT THE HOME:

Featured at Keystone Green Building Initiative's kickoff, this green home was built by David Hartke, co-chair of HBA of Bucks/Montgomery Green Task Force. It was the first green home built under the green home guidelines created by the Keystone Green Building Initiative.

KEY ASPECTS THAT MAKE THIS HOME GREEN:

Orientation and Landscaping

A solar shade device on the second floor, south-facing window (all other south-facing windows have roof overhangs as shading devices)

Rain garden designed to collect storm water and infiltrate back into aquifer

Indoor Air Quality

Exhaust fans in bathrooms with timers provide added moisture elimination

Exhaust fan in garage exhausts carbon monoxide

Heating and Cooling

Heat Recovery Ventilation system allows for fresh air support with heat transfer

Enclosed foyer provides "heat trap" at primary entrance

Efficient Appliances

Photovoltaic panels on roof that provide electricity using solar radiation.

Low flow plumbing fixtures

Engineered flexible plumbing tubing with manifold distribution

Green Materials

Wood flooring

Recycled (and recyclable) carpeting

Composite decking and porch railing: recycled material with minimal maintenance required

ABOUT THE KEYSTONE GREEN BUILDING INITIATIVE:

This program is designed to help bring more energy-efficient and environmentally-friendly homes to the Bucks and Montgomery Counties area by providing a baseline for practical green building approaches for local builders. For more information on the Keystone Green Building Initiative, please visit

www.thegbi.org/keystone.