

Paul Rimelspach is an Energy Design Consultant, owns ENERGY DESIGNED HOMES<sup>SM</sup>, is a life-long resident of Ohio, and lives in Granville just east of Columbus Ohio.

ENERGY DESIGNED HOMES<sup>SM</sup> teaches Best Practice for residential construction. Their computer models can provide clients with prioritized energy design improvement strategies for cost effective energy upgrade decisions. Infrared thermography and house diagnostics can highlight construction or performance issues and can define best remediation strategies.

The ENERGY DESIGNED HOMES<sup>SM</sup> mission statement reads:

*Strong families build successful lives and successful communities. Families need homes!  
We are committed ... both to improving homes and to making homes more affordable.*

Paul's business goals include helping builders to build better homes, to reduce warranty callbacks, and to make energy efficiency *profitable*. His goals also include making consumers aware of improved building techniques that produce greater comfort, lower utility bills, and higher property values, or ... *Better Homes, for Less ... for Everyone!*

#### Projects & Activities:

- 2007
- Renewed ABCs session accreditation for Ohio code official training
- 2006
- Wrote a residential best practice, energy efficiency upgrade package for the Ohio Housing Finance Agency, coordinated by the Ohio Office of Energy Efficiency
- 2005
- Continued the ABC code training sessions
- Worked with Midwest Energy Efficiency Alliance editing and presenting their Energy Solutions program
- 2004-2003
- Worked with the EPA to develop a more useable Builder Option Package for Energy Star Home compliance in Ohio. BOPs are not new; but a performance approach could increase their use.
- Organized a statewide best practice or house-as-a-system energy efficiency training, the *ABCs of Energy Efficiency<sup>sm</sup>* for Architects, Builders, Code Officials, and Consumers.
- Has been both an accredited Home Energy Rating System (HERS) Rater Training Provider and an accredited Home Energy Rating System Rating Provider (for OH, MI, IN, KY, WV, PA); one of only a handful of dual accredited providers nationally.
- 2002-2201
- Managed a 2500 home audit certification program to document the merits of the EPA Sample Audit protocol. This nationally sanctioned Sample Audit Pilot was unique and included one of the largest groups of home in any study to date.
- 2000
- Developed a database to track volume builder home energy audits. Modules include a size calculation routine that allows for repeated data use and later analysis; a field data table to organize field test results for further analysis; and reports to invoice clients and generate field

auditor payables.

- Is currently working with several large production builders, helping them to build better homes and to achieve ENERGY STAR status. His efforts currently impact the build quality of approximately 6000 homes per year in Ohio.
- Has been part of the Building Performance Group, Ohio senior energy consultants performing energy improvement training, including the *ABCs of Energy Efficiency* for Architects, Builders, Code Officials and Consumers.
- Worked to develop a statewide network of Home Energy Raters as local energy experts to assist builders, code officials, and consumers.
- Initiated a RATER~ALLY program to recruit, train, and promote Energy Star Home partners in the home energy rating process.
- 1999
- Was part of the ODOD OEE effort to develop and perform HUD mandated energy audits of Public Housing Authority properties.
- Developed an ENERGY STAR HOMES *Existing Homes* model with the rehab of a forty year old home in Oberlin, OH. Design goals included a 75% reduction in energy consumption.
- Worked with a Cleveland community development corporation with design and construction supervision to ensure ENERGY STAR rated, energy efficient homes.
- Worked with Columbia Gas to help design an improved ventilation evaluation strategy and understanding of "Unusually Tight Construction for combustion air requirements."
- 1998
- Assisted the recipients of both the 1997 and 1998 Ohio Governor's Award for Energy Efficient Building Techniques. The 1997 winner, David Allen Builders, has since built and had rated the three highest rated homes in Ohio.
- Was design consultant and ENERGY STAR auditor on the then highest rated home in Ohio, the 1998 Dayton HBA HomeArama, a National Home Builder Association Silver Medal recipient for energy design (6800 sq ft, gas heat, 93.1 score).
- Worked with the Environmental Studies Department of Oberlin College promoting the conservation potentials of energy efficiency.
- Developed *UtilityTracker<sup>SM</sup>* a database for identifying before and after upgrade energy use patterns, verifying the efficacy of installed energy upgrades.
- 1997
- Worked with city community housing in developing CHIP and CHIS programs that help prioritize energy upgrades in housing rehab.
- Developed a community based energy and water conservation program.
- Since 1995
- Has assisted builders in understanding and meeting the Model Energy Code.
- Since 1994
- Has been promoting the DOE/EPA ENERGY STAR HOME program as an ALLY and Partner
- Since 1990
- Has been promoting energy efficient construction practices based on research performed to build our family home on a responsible energy performance basis.

PAUL RIMELSPACH  
ENERGY STAR HOMES PARTNER  
HERS Rating Provider: 1998-50  
HERS Rater Training Provider: 2003-010 (inactive)  
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