

Envinity: Making your home more energy efficient

As an employee of Envinity, I am often asked, "So what is it you really do?" It's sometimes a difficult question for us because we have three groups doing so much. It all boils down to making our home and work environments more energy efficient. We are custom home-builders and designers. We

are HVAC installers and service technicians. We are engineers and architects.

Envinity is an employee-owned company offering a wide range of energy efficiency services. In addition to inspection and testing services, we help Pennsylvania's builders leverage government- and utility-

sponsored rebate and incentive programs.

For each new construction project, Envinity performs a thorough energy efficiency evaluation using the Home Energy Rating System (HERS). Envinity first works with homebuilders or architects to review the building design in order to achieve better energy conservation goals. Second, before drywall is installed, an inspection is conducted on the structure's frame and insulation to ensure the energy efficiency goals are reached and to determine if the building envelope will keep the heat in and the cold out.

Once construction is complete, a performance test is done to measure the amount of air leaking out through the home's walls and ductwork. Using a special fan, door cover and air

flow gauge, this "energy audit" tests the actual, post-construction energy efficiency of the home. A software program then produces an overall home performance score, known as a HERS Index.

Our energy tests help homebuilders qualify for incentives through FirstEnergy's Pennsylvania utilities' Energy Efficient New Homes Program. If a home serviced by Penelec achieves 15-percent energy savings, the builder is eligible for a rebate of 30¢ for each kilowatt-hour (kWh) saved annually over a reference home built to the standard 2009 International Energy Conservation Code® (IECC). Homes that meet ENERGY STAR® V3.0 certification and achieve a minimum 15 percent energy savings are eligible for greater incentives, with a rebate of 35¢ for each kWh



Use 75% - 85% less energy per bulb by changing incandescent bulbs to LED bulbs.

saved annually.

In summary, we at Envinity help builders and homeowners maximize the value of building homes that feature energy efficiency, sustainability, and fine craftsmanship.

Brian Henderson,
Envinity



Thermal imaging & a blower door test determine whether a home is built airtight.

41 MEADOWBROOK LANE | LEWISTOWN
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The more you save, the more you earn!

The Pennsylvania Energy Efficient New Homes Program rewards eligible builders with financial incentives for achieving 15 percent energy savings over code.

To learn more, visit

SavvyBuildersSaveEnergy.com

