



ENERGY SAVINGS

NORMAN, OKLAHOMA HOME TO FOCUS ON NOT USING ENERGY

Systems selected to deliver maximum energy efficiency result in Positive Energy®

Take a local builder and an insulation contractor, committed to their positions as trailblazers in energy efficient home building. Add a home buyer who works for OGE Energy Corp. Build for 180 days. What you end up with is an ENERGY STAR®-rated, Positive Energy® home in the heart of Norman, America's next smart power city.

Tim Jones, manager of C & S Insulation, Inc.; Curtis McCarty, owner of C.A. McCarty Construction, LLC; and the Boyer family know that buildings are the number one user of energy in America. In fact, buildings consume 40 percent of our nation's energy and account for more than 40 percent of its greenhouse gas emissions, more than industry and more than transportation. So they understand that, by focusing on the role our buildings play in energy use, they can reduce consumption without sacrificing comfort.

This energy-aware trio realizes that energy bills are affected by cooking, computers, refrigeration, household electronics, water heating, time of day, type of energy used and many other factors. But a major source of energy waste in homes is air leakage. Most American homes are not well-sealed, and air entering and escaping can account for 25 to 40 percent of the energy used to heat and cool a typical home. Sealing the leaks and properly insulating allows homes to be warm in winter and cool in summer, while saving energy.

To address this major energy drain, Owens Corning's EnergyComplete™ with Flexible Seal Technology, a whole home insulation and air sealing system, was selected for its ability to help reduce air infiltration by up to 70 percent and reduce heating and cooling bills by up to one-third*.

The Boyers are eagerly anticipating their move to the new home this fall, when they will double their current living space in a new 3,200-square-foot home. An energy simulation of a comparable house treated with the EnergyComplete system predicts a spend of only \$84 a month on heating and cooling while other similarly-sized existing homes in the area cost nearly \$160 a month to heat and cool. Even other new homes without the EnergyComplete system should cost around \$110. The Boyers will be closely tracking the energy they don't use and the anticipated savings of hundreds of dollars each year.

The installer: Tim Jones, manager, C & S Insulation, Inc.

C & S strives to be at the forefront of advances in energy efficiency. "I sound like a commercial, but, if we're going to save our planet, everyone needs to help, and proper insulation and air sealing is key. We are excited to be the first in Oklahoma to offer a system that exceeds current standards of energy efficiency," said Tim Jones.

Jones also cites one of the main benefits of the EnergyComplete system: "We can actually see what is covered and what isn't as we are applying it. Traditional spray foam leaves voids that can allow air to enter or escape, undermining the total energy efficiency of the home."



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The builder: Curtis McCarty, owner of C.A. McCarty Construction, LLC

One of a only a handful of National Association of Home Builders (NAHB®) Certified Green Professional's™ (CGP) in Oklahoma, McCarty has found that there is confusion in the market about what makes a "green" house.

"You can't call a home 'green' just because of your choice of appliances or carpet. When designing homes with our customers, we look at the whole envelope of the house and how it operates as a system to achieve their goals. We wanted to use the EnergyComplete system because it takes energy efficiency to the next level in terms of cost, performance and safety, compared to the current standard of spray foam," said McCarty.

The homeowners: Curtis and Terena Boyer

"Cost savings in recurring monthly expenses are especially important with homeowners everywhere worrying about the economy. Since we are increasing the size of our living space in this new home, it's even more important to gain as much energy efficiency as possible," says Terena Boyer.

"Of course, working for OGE Energy Corp., I have a higher awareness of how energy is used. Lower utility bills are important, but the main reason to be energy conscious is that it helps everyone in the long run. I am excited I can lead by example with my new energy-efficient home," added Mrs. Boyer.



The PINK foam-based air sealing component of the EnergyComplete™ system is essential in reducing heating and cooling bills by up to one-third.



Ensuring the job is done right, done on time and done safely, the EnergyComplete™ system is installed exclusively by certified contractors.



The EnergyComplete™ system delivers exceptional energy efficiency and acoustical performance, when finished with PINK FIBERGLAS™ blown-in Insulation shown here.

Resources

For interviews, high-resolution images or more information, please call Owens Corning media relations at 503-973-9220 or email OCmediarelations@thinkmh.com.

*The average residential energy use for space heating and cooling is 39%. Reference: U.S. Department of Energy, Buildings Energy Data Book, 2008. Savings vary. Savings estimates are based on comparison to an average new U.S. home. The savings percentages compare the performance of a new home built to meet minimum insulation code requirements in a particular location to a new home insulated with the EnergyComplete™ System that meets or exceeds the DOE recommended insulation levels. The 1/3 savings on heating and cooling was calculated on a 2-story, 3,100-sq.-ft. new home with a basement in Denver, CO.

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