



For Immediate Release

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**NEW DUCT SEALING TECHNOLOGY HELPS TRANSFORM NEGLECTED
HERNDON, VA TOWNHOUSE INTO MODEL OF ENERGY EFFICIENCY**

Called “Game Changing Technology” By the U.S. DOE, the Aerosol-based Duct Sealing Solution Reduced the Property’s Heating and Cooling Energy Waste by 95%

HERNDON, VA – June 15, 2013 – A new technology, considered to be the first to effectively seal leaks found in the ductwork of most American homes, was used to increase the indoor comfort and energy efficiency of a two-story townhouse currently being renovated in Herndon, Virginia. Developed at Lawrence Berkeley National Laboratory and recently made available to Herndon-area homeowners, the Aeroseal duct sealing technology reduced the home’s heating and cooling energy waste by 95%.

The duct sealing process is part of an overall energy efficiency upgrade being done to the Herndon townhouse by property owners Southern Exposure Homes, a local investment property company that sees value in improving the energy efficiency of homes they sell and manage. According to Roger Lin, a principle at the investment property firm, the breakthrough duct sealing process played a significant role in transforming the formally neglected property into a model of energy efficiency.

“When renovating an existing property today, I think it’s important to look beyond good looks and seriously consider improvements that can improve comfort, indoor air-quality and energy efficiency,” said Lin. “If we can turn this eyesore into the most energy-efficient home in the neighborhood, others might consider energy-saving upgrades to their own homes. And now that there is an effective way to seal duct leaks, duct sealing should be on top of that list.”

Studies have found that sealing duct leaks is often the single most significant thing a homeowner can do to increase their home’s efficiency and reduce energy costs – more than three times as effective as upgrading to energy-efficient heating equipment and more than five times more effective than switching to energy-efficient windows. According to a study by McKinsey & Company* that was published in *The New York Times*, duct sealing also offers the best value in energy-efficient upgrades based upon the cost per BTUs saved.

As part of the aroeseal duct sealing process, a before and after measurement of the townhouse’s duct leakage was determined. Prior to the sealing, the house was losing 245 CFM (cubic feet per minute) of treated air. After the aroesealing, leakage was reduced to 13 CFM – a 95% reduction in leakage.

“That’s the equivalent of having a 46 square inch hole in the ductwork and reducing it to a 3 square inch hole,” said Dean Perez, production manager at TLC Heating Air Conditioning, Plumbing and Electrical, the Warrenton, Virginia-based HVAC specialists that were called in to aroeseal the townhouse. “This will have a dramatic impact on not only energy savings but comfort as well. With the leaks sealed, heated and cooled air can get to all the rooms throughout the house, even those furthest from the air conditioner or furnace.”

Before the introduction of aroeseal technology, there was no effective means of sealing duct leaks. While tape and plaster could be used to cover leaks visible to the eye, most ductwork remains hidden behind walls and under insulation, making it inaccessible for repair. Aroeseal technology works from the inside of the ductwork to access all leaks throughout the entire system.

Aroesealing a home's duct system is done by a licensed Aroeseal serviced provider and takes about half a day to complete from setup to final cleanup. TLC is the first Aroeseal service provider in the Herndon area and joins a growing team of nearly 200 Aroeseal dealers nationwide.

For more information on the Herndon, Virginia energy efficiency upgrade project or Aroeseal duct sealing technology, please contact Aroeseal at (937) 428-9300 or visit www.aroeseal.com.

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