



**For Immediate Release**

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**AEROSEAL PROJECT EARNS A 2012 EBIE AWARD FOR ENVIRONMENTAL  
PERFORMANCE IMPROVEMENTS MADE TO EXISTING BUILDING**

**SWA's Use of AeroSeal Duct Sealing And AA Dampers Results In Improved Ventilation Plus  
Thousands of Dollars In Annual Utility Cost Savings For New Jersey Apartment Building**

CENTERVILLE, OH – July 16, 2012 – New York-based building consultants Steven Winter Associates (SWA) received a 2012 EBie Award™ for a building renovation project that combined AeroSeal duct sealing technology together with self balancing Constant Airflow Regulators from American Aldes to dramatically reduce energy usage. The award, presented last Thursday at a ceremony held at the Hard Rock Café in New York City, honored SWA and the building owner, Legow Management for their innovative approach to an environmental improvement upgrade made to an existing building.



The project, completed in 2008 by Legow Management is a 50 year old multi-family apartment building in Caldwell, New Jersey and represents the first complete ventilation retrofit designed to optimize both energy performance and indoor comfort/air quality. AeroSeal was used to effectively seal leaks throughout the building's 25 individual ventilation shafts, a move that, together with the new Constant Airflow Regulators (CARs), dramatically improved the effectiveness of the building's exhaust fans and reduced the consumption of gas used to heat the individual apartments by 30%.

“Aeroseal sealed 90% of the duct leakage and was instrumental in dramatically improving the floor to floor balancing of the ventilation system as well,” said Marc Zuluaga, vice president and director multifamily energy services, Steven Winter Associates. “Soon after the retrofit was completed, we heard from one tenant who thanked the building manager for fixing his heat. While we didn’t touch the heating system per-say, by sealing the shaft leaks we were able to lower the use of exhaust fans – and that, together with the dampers resulted in more even heating throughout the building.”

Utility records show that since the project was first completed, gas usage was reduced by approximately 30 percent. The retrofit also allowed the property owners to downsize each of the roof fans, resulting in additional electricity savings.

“Before the retrofit, we were running 25, 300 Watt belt driven fans. We were able to replace them with compact 140 Watt units direct drive fans. This alone resulted in a utility savings of about \$7,000 each year, and reduced maintenance costs” said Zuluaga.

Due to the effectiveness of the Aeroseal/CAR approach first applied at the Carlyle Towers, similar projects have been implemented in more than 5,000 apartments throughout the NYC metropolitan region. Its effectiveness at saving energy costs has also spurred a recommendation by the NYC Green Codes Task force to better account for the the airtightness performance of shafts in central toilet and kitchen exhaust ventilation system design.

### **About Aeroseal**

Aeroseal is a breakthrough duct sealing technology developed at Lawrence Berkeley National Laboratory with partial funding from the U.S. Department of Energy. For more information about its use for both residential and commercial duct sealing visit our website at [www.aeroseal.com](http://www.aeroseal.com) or call (937) 428-9300.

### **About EBie Awards**

The EBie Awards™ are a juried competition for people working in Existing Buildings (hence the EBies) who have made great strides in improving their environmental performance but who may otherwise go unheralded. Their work is likely to have been done on a shoestring budget and needed great tenacity and conviction. For more information visit <http://www.ebies.org>.

### **About Steven Winters Associates**

Steven Winter Associates, Inc. provides research, consulting and advisory services to improve commercial, residential and multifamily built environments for private and public sector clients. They specialize in energy, sustainability and accessibility consulting as well as certification, research & development and compliance services. SWA engineers and architects have led the way since 1972 in the development of best practices to achieve high performance buildings. For more information visit <http://www.swinter.com>.