



# Green is Good in Indianapolis Green Terminology

|                                |   |
|--------------------------------|---|
| ACH                            | Air Changes per Hour. Part of <i>Environments for Living</i> <sup>®</sup> Platinum Level program testing to determine how much air leaks through the walls and ceilings. Lower number is more efficient.                        |
| AFUE                           | Annual Fuel Utilization Efficiency. A furnace's heating efficiency. Measures the heat delivered vs. the fuel used. Measures in percentages. The higher number is better.  |
| ASHRAE                         | American Society of Heating, Refrigerating and Air Conditioning Engineers. This is the primary organization used in the United States for the design standards in our HVAC systems.   |
| HERS                           | HERS Index is a scoring system established by the Residential Energy Services Network (RESNET <sup>®</sup> ) that measures the energy performance of a home. The lower your home's HERS Index, the more energy efficient it is. |
| HVAC                           | Heating, Ventilation and Air Conditioning. HVAC includes the furnace, air conditioning components, fan and ductwork installed in a home.  |
| Fresh Air System               | An electronic system connected to the HVAC system that brings in filtered outside air on a timed basis.   |
| IAQ                            | Indoor Air Quality. IAQ is the quality of the air breathed by occupants of an indoor or enclosed environment.   |
| IRC                            | International Residential Code. The IRC is the Building Code for the State of Indiana.  |
| Jump Duct                      | A flexible, short, u-shaped duct that connects a room to a common space as a pressure balancing mechanism.  |
| Low-E2                         | Low emissivity. Two layers of coatings on windows that maximize the amount of heat reflected back which, in turn, greatly reduces utility bills.  |
| Manual J                       | The ASHRAE method for calculating residential home cooling loads and the sizing of the system.  |
| Pressure Balancing             | To equalize air pressure between rooms in a home by adjusting air flow in supply and return ducts.  |
| R-410A                         | Environmentally-friendly refrigerant used in our HVAC systems.  |
| R-Value                        | Resistance-Value. The resistance a material has to heat flow. The higher the R-Value, the greater the resistance.   |
| SEER                           | Seasonal Energy Efficiency Rating. It measures the efficiency of the air conditioner once it is up and running. Higher number is better.  |
| Sill Seal                      | A foam gasket applied underneath the bottom plate (the piece of lumber that sits on top of the basement wall) and keeps air and water from coming into the wall.  |
| SHGC                           | Solar Heat Gain Coefficient. The solar radiation entering a home through the windows. The lower the number, the better the window is at blocking heat gain.   |
| Thermal Envelope/<br>Enclosure | A home's exterior shell - walls, foundation, floors, ceiling, windows, doors and roof.  |
| U-Value                        | A measure of heat transmission due to the air temperature difference from inside to outside. The lower the U-Value, the better.   |

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