

LEED for Homes Project Snapshot

JAG Construction
Campbell Residence
Asheville, NC
LEED PLATINUM

35% Expected Energy Savings
 Based on HERS Score

60% Expected Water Savings
 Based on WE Credit Score



Photo Courtesy of: Vandemusser Design

STRATEGIES AND RESULTS

Why go to all the work and spend the extra money to have your new home built to LEED for Homes standards? Both the short and long answer is – because it's a good investment. The strength of the LEED initiatives lay in their multidiscipline range of evaluation factors for the entire construction project. We knew we could live small and had learned a little about what green features were realistic and affordable in our area. But, there was no way we could do it all ourselves. Our area is fortunate in having a wealth of professionals knowledgeable about (and dedicated to) green and energy-efficient building. We made some wonderful connections and were on our way.

EXEMPLARY PERFORMANCE

Our project earned exemplary performance for a super efficient clothes washer and our superior wall foundation. However, our project excelled in the specific categories: 1- Location and linkages because of infill site and walkable location; 2- Sustainable Sites for our drought tolerant landscaping, rain water catchment and permeable lot and 3- Energy efficiency for our well constructed building envelope, solar hot water and efficient mechanical system.

LEED™ Facts

Campbell Residence

LEED for Homes
 Certification Awarded March 29, 2011

Platinum 84.5*

Innovation in Design 5.5 / 11

Location & Linkages 9 / 10

Sustainable Sites 17.5 / 22

Water Efficiency 9 / 15

Energy & Atmosphere 20 / 38

Materials & Resources 9.5 / 16

Indoor Environmental Quality 13 / 21

Awareness & Education 1 / 3

*Out of 136 possible points

PROJECT BASICS

| | |
|-------------------|------------------|
| Project Type | Single Family |
| Conditioned Space | 1295 sq ft |
| Bedrooms | 3 |
| Bathrooms | 2 |
| Lot Type | Infill |
| Construction Type | New Construction |

KEYS TO SUCCESS

| | |
|-----------------------|--------------------------------------|
| Wall Insulation Value | R-19 and Superior Walls |
| HVAC Type | Dual Fuel Heat Pump |
| On Site Renewables | Solar Hot Water |
| Water Efficiency | Rainwater Catchment |
| Water Efficiency | Efficient Fixtures and Appliances |
| Size | Small, well designed home |
| Location | Infill site in Walkable Neighborhood |

THE LEED FOR HOMES DIFFERENCE

| | |
|--------------------------------------|--|
| Construction Waste Management Plan | <input checked="" type="checkbox"/> YES! |
| On-Site Performance Tests | <input checked="" type="checkbox"/> YES! |
| Custom Durability Planning Checklist | <input checked="" type="checkbox"/> YES! |
| Third-Party Verified Documentation | <input checked="" type="checkbox"/> YES! |

About the Project Team

Architect: Doug Campbell
www.urbancottage.info
 Contractor: JAG Construction
www.JAGGreenBuilders.com
 Green Rater: Vandemusser Design
www.VandemusserDesign.com
 Provider: WNCGBC
www.WNCGBC.org
 Solar: First Light Solar
www.flenergy.com
 Site: Sitework Studios
www.SiteworkStudios.com

LEED for Homes Provider

Wst. North Carolina GBC

About LEED for Homes

LEED for Homes is a voluntary, third-party certification program developed by residential experts and experienced builders. LEED promotes the design and construction of high-performance green homes, and encourages the adoption of sustainable practices throughout the building industry.



www.usgbc.org/homes

The information provided is based on that stated in the LEED® project certification submittal. USGBC does not warrant or represent the accuracy of this information. Each building's actual performance is based on its unique design, construction, operation, and maintenance. Energy efficiency and sustainable results will vary.