

LEED for Homes Project Snapshot

Feitler Residence

Viridian

Auburn, Indiana

LEED GOLD

50% Expected Energy Savings
Based on HERS Score

58% Construction Waste
Diverted from Landfill



Photo Courtesy of:

STRATEGIES AND RESULTS

This home which includes a 700-square-foot garage with radiant heat, uses a 6-zone geothermal radiant heating and cooling system. Ninety-five percent of the lighting is LED. The insulation is wood-fiber cellulose and recycled materials. There is no carpet; all the floors are hardwoods, ceramic tile and linoleum. Automated clearstory windows for whole-house ventilation. All the paints on the walls and adhesives used with the flooring meet LEED's standards for low volatile organic compound emissions. It just missed being the first single-family home in northeast Indiana for LEED certification.

EXEMPLARY PERFORMANCE

The exterior of the home was constructed using commercial grade metal siding and standing seam roof. The home was designed for a 4 kilowatt photovoltaic system to harness year-around southern sun exposure. With the use of these technologies, the home will have the potential to be "off-the-grid" and be able to operate completely independently of all traditional public utility services. Recycled, re used and locally harvested wood.

"It will stand up to an F4 tornado," Thornsbury said.

LEED™ Facts

Feitler Residence



LEED for Homes
Certification Awarded September 2010

Gold 92*

Innovation in Design 7/11

Location & Linkages 3/10

Sustainable Sites 17/22

Water Efficiency 9/15

Energy & Atmosphere 24.5/38

Materials & Resources 10.5/16

Indoor Environmental Quality 19/21

Awareness & Education 2/3

*Out of 136 possible points

PROJECT BASICS

Project Type	Single Family
Conditioned Space	3,500 sq ft
Bedrooms	3
Bathrooms	2+1/2
Lot Type	Previously Developed
Construction Type	New Construction

KEYS TO SUCCESS

95% of Lighting	LED
12" ICFs	R-Value24
Renewable Ready	Solar

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

Milestone Construction, Inc.
Viridian Architectural Design, Inc.

LEED for Homes Provider

AES

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 submittals. 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.