LEED for Homes Project Snapshot

Feitler Residence
Viridian
Auburn, Indiana
LEED GOLD

Expected Energy Savings
Based on HERS Score
50%

Construction Waste
Diverted from Landfill
58%

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.

PROJECT BASICS

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<tr>
<th>LEED™ Facts</th>
<th>Feitler Residence</th>
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<tr>
<td>LEED for Homes Certification Awarded</td>
<td>September 2010</td>
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<tr>
<td>Gold</td>
<td>92</td>
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<td>Innovation in Design</td>
<td>7/11</td>
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<td>Location &amp; Linkages</td>
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<td>Sustainable Sites</td>
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<td>Energy &amp; Atmosphere</td>
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<td>Awareness &amp; Education</td>
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"Out of 136 possible points"

KEYS TO SUCCESS
95% of Lighting
LED
12” ICFs
R-Value 24
Renewable Ready

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