

LEED for Homes Project Snapshot

David Gulyas
Gulyas Residence
Bloomington, IN
LEED PLATINUM

60% Expected Energy Savings
 Based on HERS Score

50% Construction Waste
 Diverted from Landfill



Photo Courtesy of: David Gulyas

STRATEGIES AND RESULTS

The Gulyas project achieved great results from an integrated design team approach, drawing on the expertise of a LEED experienced architect, an engineer very knowledgeable in "Passive House" design and modeling, and enthusiastic sub-contractors. The use of structural insulated panels, high performance doors and windows, and an energy recovery ventilation system produced astonishing results in energy efficiency and indoor air quality.

EXEMPLARY PERFORMANCE

The project was optimally sited with regard to location and linkages, and had been previously developed. In addition, the house achieved remarkable indoor air quality by integrating an energy recovery ventilation system, and not employing any combustion devices such as a furnace, or gas appliances. The house can now easily get to net zero energy with the future addition of a renewable energy system such as a photo-voltaic system.

LEED™ Facts

Gulyas Residence



LEED for Homes
 Certification Awarded October, 2010

Platinum 96*

Innovation in Design 5 / 11

Location & Linkages 10 / 10

Sustainable Sites 13 / 22

Water Efficiency 8 / 15

Energy & Atmosphere 27 / 38

Materials & Resources 12 / 16

Indoor Environmental Quality 19 / 21

Awareness & Education 2 / 3

*Out of 136 possible points

PROJECT BASICS

Project Type	Single Family
Conditioned Space	1800 sq ft
Bedrooms	3
Bathrooms	2
Lot Type	Previously Developed
Construction Type	New Construction

KEYS TO SUCCESS

Wall Insulation	SIP panels
Roof Insulation	SIP panels
Air Filtration	MERV12
Windows	U.18
Energy Recovery Ventilation	

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

Design and Engineering -
 Marko Spiegel, CTI, Inc.

Builder -
 Chris Sturbaum, Golden Hands
 Construction

Consultant - David Gulyas

Energy and Green Rater -
 Mark Jansen, Energy Efficient Homes
 Midwest

LEED for Homes Provider -
 Alliance for Environmental
 Sustainability

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.