

LEED for Homes Project Snapshot

Green Park Construction LLC
2104 Greenview Rd.
Northbrook, Illinois
LEED CERTIFIED

60% Expected Energy Savings
 Based on HERS Score

90% Construction Waste
 Diverted from Landfill



Photo Courtesy of: Ihab Riab, Green Park Construction LLC

STRATEGIES AND RESULTS

This home was constructed with environmentally friendly materials and products. The goal was to build a home that didn't have a negative impact on the environment and would contribute to the home's overall efficiency.

The result is beautiful home outfitted with natural bamboo hardwood floors, geothermal heating and cooling, superior insulation and Anderson Triple Pane Windows. The home has greatly reduced utilities due to its design, costing \$150 a month or \$1,700 a year due to temperature moderation, and water conserving faucets and toilets.

EXEMPLARY PERFORMANCE

This home utilizes geothermal heating and cooling, which brings up 55 degree air from the earth's crust, to effectively moderate the home's temperature. The Superior Wall Foundation was precast in Michigan with 5000 psi concrete and placed on crushed stone footing for increased moisture resistance.

Due the concrete foundation and sealing of cracks and joints in the foundation, the house has good protection against pests like termites. All ducts were installed in conditioned space. The lawn consists of "No Mow Grass" which does not require fertilizer, mowing, or watering in its maintenance.

LEED™ Facts

2104 Greenview Rd.



LEED for Homes
 Certification Awarded 4/29/2013

Certified **71***

Innovation in Design 7/11

Location & Linkages 8/10

Sustainable Sites 10/22

Water Efficiency 3/15

Energy & Atmosphere 28/38

Materials & Resources 4/16

Indoor Environmental Quality 9/21

Awareness & Education 2/3

*Out of 136 possible points

PROJECT BASICS

Project Type	Single Family
Conditioned Space	7,160 sq ft
Bedrooms	6
Bathrooms	4
Lot Type	Infill
Construction Type	New Construction

KEYS TO SUCCESS

Air Filtration	MERV 10
Roof Insulation Value	R40
Insulation	SIP Panels (R24)
HVAC Type	Geothermal
No-Mow Lawn	
Natural Bamboo Flooring	
Reduced Envelope Leakage of 5.0 ACH50	

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

Ihab Riab
 -Project Team Leader (Green Park Construction LLC)

Daniel Stone
 -Stone and Land, LLC (Landscape Architect)

Steve Wald
 -Ruff Landscaping

Jim Wicker
 -NW Consulting Engineers

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.