

LEED for Homes Project Snapshot

**ASCA YouthBuild
Garfield House
Akron, OH
LEED PLATINUM**

35% Expected Energy Savings
Based on HERS Score

95% Construction Waste
Diverted from Landfill



Photo Courtesy of: SaintGobain


STRATEGIES AND RESULTS

Akron Summit Community Action, Inc. along with their YouthBuild program was responsible for the construction of this home. This program allows Akron's students to receive hands on green building and job training. "LEED Platinum certification was achieved and extra points were awarded to the home for the following: building in a high-density housing area (an area with 7 units per acre or more); already-existing structure; within 1/2 miles of public transit; and a silt fence was used to prevent construction dirt and debris from traveling to neighboring homes."

EXEMPLARY PERFORMANCE

The home also received a Energy Star® Water Management System certification because the home successfully water-managed its foundation, wall and roof assembly and building materials. Drought tolerant plants were installed along with slow growing grass that doesn't need to be mowed as often or fertilized. The home also harvest rainwater, and as a result of its efforts reduced irrigation demand by 57%.

LEED™ Facts
Garfield House



LEED for Homes
Certification Awarded May 2013

Platinum **92***

Innovation in Design 10/11

Location & Linkages 10/10

Sustainable Sites 16/22

Water Efficiency 8/15

Energy & Atmosphere 19/38

Materials & Resources 14/16

Indoor Environmental Quality 13/21

Awareness & Education 2/3

*Out of 136 possible points

PROJECT BASICS

Project Type	Single Family
Conditioned Space	1824 sq ft
Bedrooms	5
Bathrooms	2
Lot Type	Infill
Construction Type	Gut Rehab

KEYS TO SUCCESS

Flooring	90%_hardwood
Flooring	45%_Locally_Produced
HVAC	non-HCFC_refrigerants
Insulation	CertaSpray_Closed_Cell
Reduced irrigation demand by 57%	
Installed heat recovery system	
W/in 1/2 mi. of transit providing 125 rides/weekday	

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

Akron Summit Community Action, Inc.
& YouthBuild Akron
Saint-Gobain Corporation Foundation

CertainTeed - Innovative Sustainable
Building Materials

Robert Mack
Bruce Beckwith - HVAC
Joe Difrancesco
Anthony Tomin - Plumbing
Jean Marie Hartman - Landscaping

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.