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

STRATEGIES AND RESULTS

Akon 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 ½ 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%.

PROJECT BASICS

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Single Family</th>
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<tbody>
<tr>
<td>Conditioned Space</td>
<td>1824 sq ft</td>
</tr>
<tr>
<td>Bedrooms</td>
<td>5</td>
</tr>
<tr>
<td>Bathrooms</td>
<td>2</td>
</tr>
<tr>
<td>Lot Type</td>
<td>Infill</td>
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<tr>
<td>Construction Type</td>
<td>Gut Rehab</td>
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</tbody>
</table>

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
- On-Site Performance Tests
- Custom Durability Planning Checklist
- Third-Party Verified Documentation

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 Drifrancesco
- 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