

LEED for Homes Project Snapshot

Lutz Construction
1240 E Blacklidge Drive
Tucson, Az
LEED PLATINUM

70% Expected Energy Savings
 Based on HERS Score

19% Construction Waste
 Diverted from Landfill



Photo Courtesy of: Rich Franz-Under

STRATEGIES AND RESULTS

This is the latest iteration of the construction technique of the father-son team of David and Drew Lutz.. This is an energy efficient, water efficient home in the right location.

The basic strategy was to build a well insulated, solid house using insulated concrete forms (ICF) know as Mickey Block. This provides a durable, air tight, termite proof wall. Add foam insulation at the roof and high performance windows to complete the high efficiency exterior envelope. Two 2-ton, 14 SEER Air Conditioners cool the home, one for each floor, eliminating the problems with stack effect.

EXEMPLARY PERFORMANCE

The irrigation system achieved additional credit for exemplary performance due to all of the water saving techniques employed.

LEED™ Facts

1240 E Blacklidge



LEED for Homes
 Certification Awarded 9/14/2010

Platinum **91.5***

Innovation in Design 2/11

Location & Linkages 10/10

Sustainable Sites 16/22

Water Efficiency 12/15

Energy & Atmosphere 31.5/38

Materials & Resources 9/16

Indoor Environmental Quality 11/21

Awareness & Education 0/3

*Out of 136 possible points

PROJECT BASICS

Project Type	Single Family
Conditioned Space	2011 sq ft
Bedrooms	3
Bathrooms	2+1/2
Lot Type	Infill
Construction Type	New Construction

KEYS TO SUCCESS

Wall Insulation Value	R-24
Roof Insulation Value	R-30
Window U Value/SHGC	.30/.30
HVAC Efficiency	SEER 14
On Site PV	3.2 KW
Rainwater Harvesting Storage	1,000 gallons
Greywater System	Installed

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

Lutz Construction is a Father-son team that has been serving the Tucson area for the last 25 years focusing on custom remodels, additions, and new construction. The team specializes in energy efficient construction methods including LEED, Energy Star, ICF (Insulated concrete forms), SIPs (Structural insulated panels), and Autoclaved concrete. We believe in a truly hands-on approach to building, being involved in all aspects of a project from design to completion.

LEED for Homes Provider

PC Development Services

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.