

# LEED for Homes Project Snapshot

Lloyd Construction Company

Las Abuelitas Housing

440 E. 26<sup>th</sup> Street

LEED Platinum

97%

Expected Energy Savings  
Based on Energy Modeling

97%

Construction Waste  
Diverted from Landfill



Photo courtesy of: \*Charles Pifer – Poster Frost Mirto

## STRATEGIES AND RESULTS

The complex, built on a small urban infill site, is a model of sustainable design and efficiency. The complex features leading edge technologies such as a closed-loop glycol solar hot water system, state-of-the-art rainwater harvesting, and an advanced photovoltaic system. Several of the units qualify as “Net Zero”, meaning that they produce as much energy through renewable resources as they consume. Las Abuelitas also taps into the regional tradition of passive solar design courtyard housing. A network of secure outdoor walkways connects shaded private patios to outdoor community spaces such as a playground, a “Common Green”, a Community Garden, and a play court. This combination of environmental response strategies – old and new - gives the development an architectural expression unique to its time and place.

## EXEMPLARY PERFORMANCE

- At the framed sections of the exterior walls, a sophisticated rainscreen wall system was used to further reduce solar heat gain.
- In addition to the LEED Platinum living units, the Las Abuelitas community building is the first Net-Zero certified building in Pima County. To attain this, the team increased the insulation levels in the walls and roof to as high as R50.

Other Awards:

- 2014 State and Local Energy Report Residential Energy Award for New Construction
- 2014 Brian Mickelsen Housing Hero award for Exemplary Urban Multifamily Project
- 2014 Tucson Electric Power BrightEE Award - Non-Profit Category

## LEED™ Facts

Las Abuelitas



LEED for Homes

Certification awarded June 4 2014

Platinum 86.5\*

Innovation and Design 7 / 11

Location and Linkages 8 / 10

Sustainable Sites 11.5 / 22

Water Efficiency 11 / 15

Energy & Atmosphere 33 / 38

Materials & Resources 10 / 16

Indoor Environmental Quality 6 / 21

Awareness & Education 0 / 3

\*Out of 136 possible points

## PROJECT BASICS

Project Type	Multifamily Housing
Conditioned Space	13,116 s.f.
Apartments	12
Buildings	5
Lot Type	Urban
Construction Type	Masonry and Frame

## KEYS TO SUCCESS

Roof Insulation	43
Wall Insulation	24
Windows	U 0.3 / SHGC 0.21
Heat Pump	SEER 15 / HSPF 8.0
Landscaping	Drought Tolerant
Irrigation	High Efficiency
Plumbing Fixtures	High Efficiency

## 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

Owner: Primavera Foundation  
Architect: Poster Frost Mirto  
Contractor: Lloyd Construction Co.

LEED for Homes Provider  
Pima County Development Services

LEED for Homes Green Rater  
Amy Patze/Daran Wastchak

## 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 through the building industry.



[www.usgbc.org/homes](http://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.