

LEED for Homes Project Snapshot

Community Partnership of So. Az.

Sonrisa Apartments

7166 S. Missiondale Rd., Tucson

LEED PLATINUM

30%

Expected Energy Savings
Based on HERS Score

96%

Construction Waste
Diverted from Landfill



Photo courtesy of: Pima County

STRATEGIES AND RESULTS

The Sonrisa Apartments were developed for the Community Partnership of Southern Arizona and funded by HUD. The site is home to 10 one-bedroom units, providing affordable housing and supportive services for single adults age 18 to 24 who have a serious mental illness. Sonrisa also provides behavioral-health-centered life-skills training to promote independence and prevent homelessness.

Sustainable measures include managing water and air infiltration, insulated windows, passive solar design, energy-efficient fixtures, appliances, and mechanical equipment; low-VOC finishes, water efficient fixtures, rainwater harvesting, and drought resistant landscaping.

EXEMPLARY PERFORMANCE

Framing Efficiencies: SIP roof panels and ceiling joist spacing greater than 16" o.c.

Irrigation: additional water efficient measures include 100% drip irrigation, installation of controller for each watering zone, installation of rain delay sensor for irrigation controller, and integration of harvested rainwater with the drip irrigation system.

Materials and Resources: Highly durable interior and exterior finishes including vented (rainscreen) wall systems, metal roofing, concrete floors, plywood wall panels, and non-paper faced gypsum board in wet areas.

LEED™ Facts

Sonrisa



LEED for Homes

Certification awarded 4/29/13

Platinum 82.5

Innovation and Design 7.5/11

Location and Linkages 8/10

Sustainable Sites 14.5/22

Water Efficiency 11/15

Energy & Atmosphere 15.5/38

Materials & Resources 14/16

Indoor Environmental Quality 11/21

Awareness & Education 1/3

*Out of 136 possible points

PROJECT BASICS

Project Type	Multifamily
Conditioned Space	6,200 s.f.
Apartments	10
Buildings	three
Lot Type	Infill
Construction Type	New Construction

KEYS TO SUCCESS

Roof Insulation	R 40 SIPs Panels
Wall Insulation	R 21
Windows	U 0.29 / SHGC 0.22
Heat Pump	SEER 15 / HSPF 8.5
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

Community Partnership for Southern Arizona is a non-profit whose mission is to provide high-quality behavioral health services.

Poster Frost Mirto architects is committed to environmentally sensitive Sonoran Desert design. 520.882.6310

Sellers and Sons contractor 520.295-1384

LEED for Homes Provider

Pima County 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 through the building industry.

www.usgbc.org/homes



The information provided is based on that stated in the LEED™ project certification submittal. 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.