

LEED for Homes Project Snapshot

**HEARTLAND HOUSING
PRAIRIE APARTMENTS
MILWAUKEE, WI
LEED GOLD**

34% Expected Energy Savings
Based on HERS Score

75% Construction Waste
Diverted from Landfill



Photo Courtesy of: Al Gartzke, Gartzke Photography LLC

STRATEGIES AND RESULTS

The Prairie Apartments facility is a collaboration between Heartland Housing of Chicago and Guest House of Milwaukee. Prairie Apartments was designed to allow people in short-term shelter, transitional programs, and substandard housing to live independently with access to support services. The 18,900 square, four-story, 24-unit apartment building is divided into 12 studio and 12 one-bedroom apartments which opened in early 2009. Six units are ADA accessible. The Guest House provides important on-site case management and counseling, and the stylish building gives residents something many thought they'd never have—a beautiful place to call home.

EXEMPLARY PERFORMANCE

As a strong sustainable measure and to gain creative LEED points, the existing foundation wall, which constitutes the lower level perimeter walls, and the pre-cast concrete slab structure of the first floor was reused and integrated into the new superstructure above. Prairie Apartments' one-bedroom and studio units boast sunny windows and hardwood floors, and each unit has its own kitchen and bathroom with low-flow fixtures. Energy Star qualified compact fluorescent fixtures as well as Energy Star qualified appliances and programmable thermostats were used throughout. The improvements should save more than 4,000 therms of natural gas and about 72,500 kilowatt hours annually.

LEED™ Facts Prairie Apartments



LEED for Homes
Certification Awarded February 2010

Gold 70.5*

Innovation in Design 5/11

Location & Linkages 10/10

Sustainable Sites 14.5/22

Water Efficiency 5/15

Energy & Atmosphere 15.5/38

Materials & Resources 8.5/16

Indoor Environmental Quality 10/21

Awareness & Education 2/3

*Out of 136 possible points

PROJECT BASICS

Project Type	Multifamily
Conditioned Space	18,900 sq ft
Units	24
Buildings	1
Lot Type	Infill
Construction Type	Affordable

KEYS TO SUCCESS

Windows	ENERGY STAR
HVAC Type	High-efficiency boiler
Air Filtration	5.0 ACH at 50 pascals
Lighting	CFLs, occupancy sensors
Projected \$13,000 a year savings on energy costs.	
Very high-efficiency plumbing fixtures.	
Limited turf, installed drought-tolerant landscape.	

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

Prairie Apartments was developed through a partnership with Heartland Alliance of Chicago, Guest House of Milwaukee, and Focus on Energy.

General Contractor: VJS Construction
Architect: Continuum

LEED for Homes Provider:
Alliance for Environmental
Sustainability (AES)
www.leadforhomesillinois.org

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.