

Abbreviated-University of Arkansas Green Buildings FY 13



Project Statement

- This report outlines green building at the University of Arkansas.
- There are two certification systems used on campus:
 - Green Globes
 - Leadership in Energy & Environmental Design.
- In 2007, the university committed to building all new construction and major renovation projects to meet LEED Silver requirements.

Certifications

Green Building Certification Systems

- Leadership in Energy & Environmental Design (LEED): LEED is a program that provides third-party verification of green buildings. LEED certification provides independent, third-party verification that a building, home or community was designed and built using strategies aimed at achieving high performance in key areas of human and environmental health: Sustainable site development, water savings, energy efficiency, materials selection and indoor environmental quality.
- Green Globes: The Green Globes assessment and rating system is a third party verification tool that applies to building projects of any type and size. It is a streamlined online assessment and rating tool that automatically generates a report, ratings, achievements, and recommendations through a questionnaire.

LEED Certification Levels

Within LEED, there are different rating systems to more specifically fit individual projects. The number of points a project earns determines the level of LEED certification that the project will receive. Typical certification thresholds are:

- Certified: 40-49 points
- Silver: 50-59 points
- Gold: 60-79 points
- Platinum: 80+ points

Green Globes Rating Scale

Those buildings that achieve 35% or more of the 1,000 points possible in the Green Globes rating system are eligible candidates for a certification of one, two, three, or four Green Globes. The Green Globes system provides higher levels of achievement based on the number of points a building acquires.

- 35-54% One Green Globe

- Demonstrates a commitment to environmental efficiency practices
- 55-69% Two Green Globes
 - Demonstrates excellent progress in the reduction of environmental impacts and use of environmental efficiency practices.
- 70-84% Three Green Globes
 - Demonstrates leadership in applying best practices regarding energy, water, and environmental efficiency.
- 85-100% Four Green Globes
 - Demonstrates national leadership and excellence in the practice of energy, water, and environmental efficiency to reduce environmental impacts.

Building Identification

There are six buildings on the University of Arkansas campus that have been certified by a green building certification program as of fiscal year 2013. LEED is the most common certification program used, with three of the five buildings. The first LEED building is the Innovation Center, which achieved Certified in 2004. The certification process can take time, but more buildings are scheduled to attain certification by FY 14.

Table 1. List of certified green buildings on campus as of FY13

Building	GSF	Year Built	Certification System	Certification Attained	Certification Date
Davis Hall Restoration and Renovation	13572	2011	LEED-NC v2009	Silver	05/22/2012
Nanoscale Science Engineering Building	77691	2011	LEED NC 2.2	Gold	02/23/2009
Innovation Center	40000	2004	LEED NC 2.1	Certified	09/09/2004
Duncan Avenue Apartments	57800	2008	Green Globes	One Globe	04/22/2009
Duncan Avenue Community Center	3400	2008	Green Globes	Two Globes	04/22/2009

192,463 GSF building space belong to certified green buildings.

Two percent of the 7.8 million square feet on campus is certified green building space. The university has other buildings built to “LEED Silver standards” that are not included in this report. Without officially recording the construction process through the LEED reporting system, there is no way to confirm the buildings sustainability level.

Project Summary

The University of Arkansas committed to build green on campus, and is taking steps to ensure that buildings are sustainable. As of fiscal year 2013, there are five green buildings certified by a third party verification system, three of which are LEED. The University of Arkansas has built one LEED Gold building, one LEED Silver building, and one LEED Certified building. Through Green Globes, there are two buildings with One Globe and Two Globe ratings.