

University of Arkansas Green Buildings - FY '18



Overview

This report outlines green building certifications at the University of Arkansas: Green Globes and Leadership in Energy & Environmental Design. In 2007, the university committed to building all new construction and major renovation projects to meet LEED Silver requirements as part of the UA's commitment to the American College and Universities Presidents' Climate Commitment. These certification programs are third party verification systems. Nearly one million gross square feet (GSF) of green building space was constructed between FY 2004 and 2018.

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Green Building Certification Systems Defined

Leadership in Energy & Environmental Design (LEED)

Building projects earn points to achieve different levels of certification. LEED certification provides strategies to achieve high performance in key areas of human and environmental health, sustainable site development, water savings, energy efficiency, materials selection and indoor environmental quality. Certification levels are Certified, Silver, Gold and Platinum.

Green Globes

A streamlined, online assessment and rating tool that automatically generates a report, ratings, achievements, and recommendations through a questionnaire. 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.

Green Building Inventory

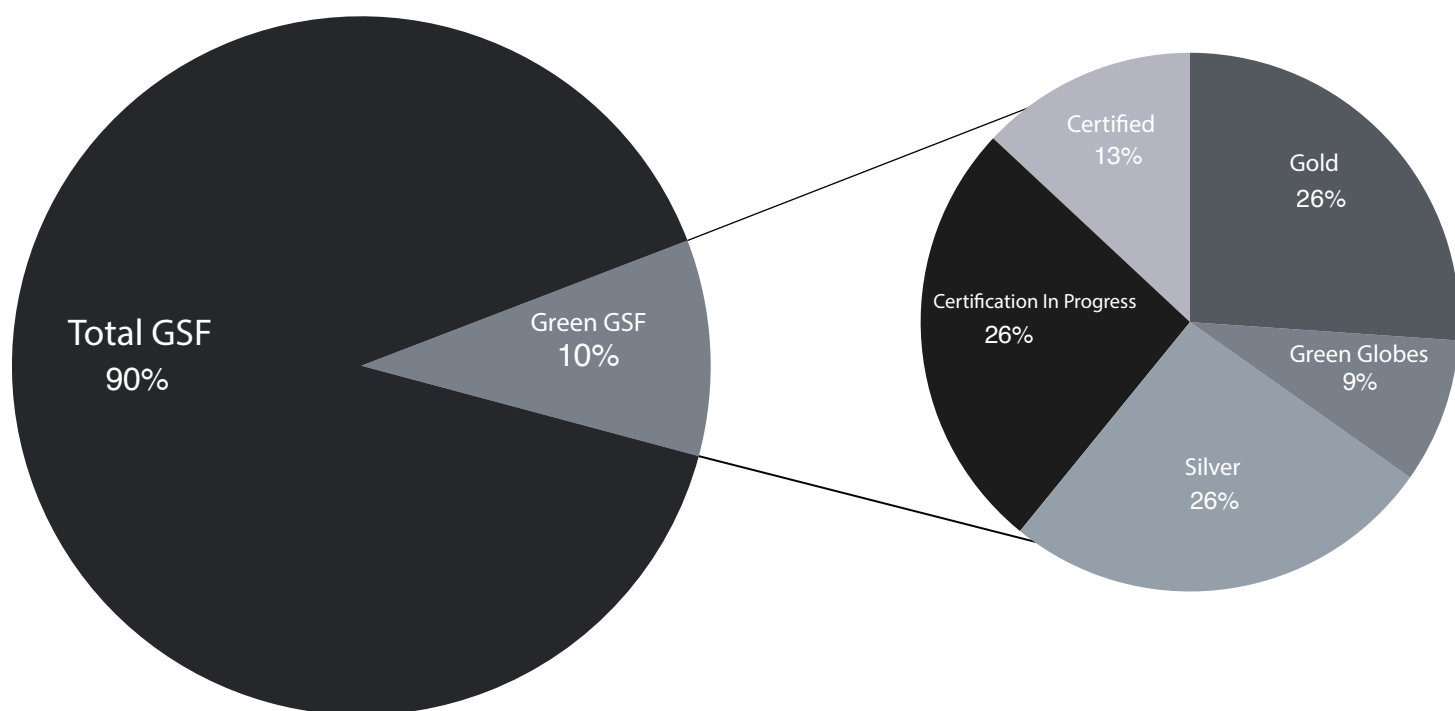
The University of Arkansas constructed twenty certified buildings since FY 2004, totaling 916,116 GSF that belongs to certified green buildings (Table 1). This represents 10% of the total campus GSF (Figure 1).

Table 1. List of certified green buildings on campus

BUILDING	GSF	YEAR BUILT	CERTIFICATION SYSTEM	CERTIFICATION ATTAINED	CERTIFICATION DATE
Pat Walker Health Center Addition	22,500	2018	LEED BD+C: New Construction v3 - LEED 2009	In progress	-
Library Storage Building	18,500	2018	LEED BD+C: New Construction v3 - LEED 2009	In progress	-
Gearhart Hall	68,266	2016	LEED BD+C: New Construction v3 - LEED 2009	Gold	2017
Faulkner Performing Arts Center	40,882	2016	LEED BD+C: New Construction v3 - LEED 2009	Silver	2017
Lambda Chi Alpha Fraternity	23,000	2016	LEED BD+C: New Construction v3 - LEED 2009	In progress	-
Jerry and Gene Jones Family Student-Athlete Success Center	59,108	2016	LEED BD+C: New Construction v3 - LEED 2009	In progress	-
Basketball Performance Center	65,700	2015	LEED BD+C: New Construction v3 - LEED 2009	Gold	2016
Champions Hall / Classroom and Lab Building	67,190	2015	LEED BD+C: New Construction v3 - LEED 2009	Gold	2016
University Housing Office	19,659	2014	LEED BD+C: New Construction v3 - LEED 2009	In progress	-
Vol Walker Hall Renovation and Addition	90,995	2013	LEED BD+C: New Construction v3 - LEED 2009	Gold	2014
Founders Hall	78,500	2013	LEED BD+C: New Construction v3 - LEED 2009	Silver	2014
Peabody Hall	27,229	2013	LEED BD+C: New Construction v3 - LEED 2009	Certified	2014
Hillside Auditorium	36,750	2013	LEED BD+C: New Construction v3 - LEED 2009	Silver	2014
Fred Smith Football Center	82,000	2013	LEED BD+C: New Construction v3 - LEED 2009	Silver	2014
Jean Tyson Child Development Study Center	23,398	2012	LEED BD+C: New Construction v3 - LEED 2009	Gold	2013

Davis Hall Restoration and Renovation	13,572	2011	LEED BD+C: New Construction v3 - LEED 2009	Silver	2012
Nanoscale Science and Engineering Building	77,691	2011	LEED BD+C: New Construction v2 - LEED 2.2	Gold	2012
Duncan Avenue Apartments	57,800	2008	Green Globes	One Globe	2009
Duncan Avenue Community Center	3,400	2008	Green Globes	Two Globes	2009
Innovation Center at ARTP	40,000	2004	LEED BD+C: New Construction v2 - LEED 2.3	Certified	2004

Figure 1. Total campus GSF versus certified green building GSF



Summary

The University of Arkansas committed to build a green campus. As of fiscal year 2018, there are twenty green buildings certified by a third party verification system, eighteen of which are LEED. Over 916,000 GSF of green building space was constructed between FY 2004 and 2018. Additional buildings are scheduled for certification in the future. As depicted in the University of Arkansas Climate Action Plan 2018, buildings on campus contribute to the majority of the campus carbon footprint. Continuing to use third party green building codes to align campus buildings with industry standards will be essential to leading by example.

32%

Over the past 10 years, the GHG emissions per square foot of building have decreased by 32%.

