

Glendale, AZ

The mission of the Gary K. Herberger Young Scholars Academy is “to provide profoundly gifted young people advanced educational opportunities commensurate with their abilities, strengths and interests.” The 19,489 SF educational facility is located on the Arizona State University (ASU) West Campus in Glendale, Arizona. The building is designed to serve the needs of the Herberger Young Scholars Academy and blend with the ASU West Campus exterior building environment. The building supports hands-on academic spaces and classrooms, staff work areas, storage, and general building support areas.



ARCHITECT
MIAA

LEED CONSULTANT
GREEN IDEAS

CONTRACTOR
HAYDON BUILDING CORP.

SUSTAINABLE STRATEGIES

- Occupancy sensors and lighting controls were installed to provide energy savings as well as occupant control
- Low-emitting materials were used to reduce the harmful effect of VOCs
- Efficient HVAC&R equipment uses refrigerants that fall well below the maximum threshold for combined contributions to ozone depletion and global warming potential
- CO2 sensors were installed in densely occupied spaces to enhance indoor air quality
- Native, adaptive landscaping reduces the amount of potable water needed for irrigation
- An on-going commitment to renewable energy generation by Arizona State University allowed this project to offset annual energy consumption

PROJECT RESULTS

- LEED** for New Construction GOLD level achieved
- 39%** energy cost savings above ASHRAE 90.1-2007 standard
- 24%** reduction of potable water for domestic use
- 69%** reduction of potable water for irrigation
- 15%** of annual energy consumption is offset by a photovoltaic system

LEED Facts

LEED for New Construction v3
Size: 19,489 SF
Certification Date: 1-18-18



POINTS ACHIEVED		71/110
	Sustainable Sites	17/26
	Water Efficiency	2/10
	Energy and Atmosphere	29/35
	Materials and Resources	4/14
	Indoor Environmental Quality	9/15
	Regional Priority	4/4
	Innovation in Design	6/6