



LEE H. BROWN CONSERVATION LEARNING CENTER

Tucson, Arizona

Dedicated in early 2008 the Lee H. Brown Conservation Learning Center is the newest addition to the Reid Park Zoo. The collaborative vision between the Tucson Zoological Society, the Reid Park Zoo and the Architect resulted in a building that embodies the amazing adaptations animals and plants have made to survive in our desert environment. The 10,000 SF Learning Center serves as an extension of the "Wild Solutions" exhibit, which teaches zoo visitors how this building relates to its natural environment. Targeting the highest achievable level of LEED certification represented a major commitment by the project team. As a result of their dedication and skill the Center is the first LEED Platinum certified building in Southern Arizona, the third in the entire State, and the first LEED Platinum building in any zoo or aquarium.



OWNER
CITY OF TUCSON

ARCHITECT
SWAIM ASSOCIATES, LTD.

CONTRACTOR
ADOLFSON & PETERSON

SUSTAINABLE STRATEGIES

- Solar hot water system with dedicated photovoltaic panels to conserve energy
- ICF walls for superior insulation
- Operable fenestrations on North/South walls allow for natural ventilation
- Onsite rainwater and greywater harvesting systems
- Pervious concrete parking lot
- Shading structures along the south facade were salvaged from the Tucson General Hospital
- Remote Energy Management Control System (EMCS) monitors HVAC
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PROJECT RESULTS

- LEED** for New Construction PLATINUM level achieved
- 75%** energy cost savings above ASHRAE 90.1-1999 energy standard
- 48%** of building electricity supplied by onsite 14 kW photovoltaic system
- 100%** savings of potable water use for irrigation
- 79%** of construction waste was diverted from the landfill

LEED Facts

LEED for New Construction v 2.1
Square Footage: 10,000 SF
Certification Date: 12/8/2008



POINTS ACHIEVED	58/69
Sustainable Sites	9/14
Water Efficiency	5/5
Energy and Atmosphere	15/17
Materials and Resources	10/13
Indoor Environmental Quality	15/15
Innovation and Design Process	4/5

Think

Design

Build



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