



SCOTTSDALE SENIOR CENTER AT GRANITE REEF

Scottsdale, AZ

The Scottsdale Senior Center at Granite Reef earned LEED Gold certification, making it the first building to meet the City of Scottsdale's policy to build all facilities to achieve LEED Gold certification and the first senior center in the State of Arizona to earn LEED certification. This showcase of sustainable design consists of a dance hall, billiards and table tennis rooms, dining and kitchen facilities, a fitness/exercise room, computer lab, office spaces and classrooms. The Center is one of the most energy-efficient buildings in the city because the building envelope and mechanical systems were designed to dramatically exceed energy standards. The local utility company partnered to install integrated photovoltaic systems which are showcased in the courtyard shade structure. Depending on the time of year, this system generates between 15% and 100% of the Center's power needs.



ARCHITECT
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GREEN IDEAS

CONTRACTOR
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SUSTAINABLE STRATEGIES

- Generation of onsite renewable energy through 40kW photovoltaic (PV) system
- High-performance, reflective roofing system reduces the Urban Heat Island Effect
- Low VOC-emitting materials for the building's interior creates enhanced Indoor Environmental Quality
- Wood products used in the project were harvested from Forest Stewardship Council certified forests
- Building materials with high-recycled content were sourced from local vendors
- Comprehensive Recycling, Green Housekeeping and Education Programs were implemented to minimize ongoing environmental impacts

PROJECT RESULTS

- LEED** for New Construction GOLD level achieved
- 47%** energy cost savings above ASHRAE 90.1-1999 energy standard
- 30%** reduction in potable water for domestic use
- 52%** savings of potable water use for irrigation
- 79%** of construction waste was diverted from the landfill

LEED Facts

LEED for New Construction v2.1
Size: 37,500 SF
Certification Date: May 2007



POINTS ACHIEVED	42/69
Sustainable Sites	7/14
Water Efficiency	3/5
Energy & Atmosphere	10/17
Materials & Resources	7/13
Indoor Environmental Quality	10/15
Innovation in Design	5/5

Think

Design

Build



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