



SCOTTSDALE ELDORADO PARK FIRE STATION #1

Scottsdale, AZ



Eldorado Park Fire Station #1 provides emergency response coverage to south Scottsdale, and has the highest number of emergency calls in the City. The Station features nine dormitories, individual showers, administrative offices, a kitchen, dining room and a large community room. The station has a three-bay Apparatus Bay with separate locker areas, medical storage and exercise room totaling 11,000 SF. The station earned LEED Platinum certification, exceeding the City of Scottsdale’s mandate to earn LEED Gold certification for all municipal buildings. Green Ideas implemented several sustainable strategies into the project including deep roof and awning overhangs, recycled and low-emitting building materials, natural daylighting and renewable energy provided by onsite photovoltaics. Nearly all workspaces have daylighting and access to views providing fire station crews with a pleasant indoor environment.

ARCHITECT
WLC ARCHITECTS

LEED CONSULTANT
GREEN IDEAS

CONTRACTOR
CALIENTE CONSTRUCTION

SUSTAINABLE STRATEGIES

- High-performance, reflective roofing system reduces the Urban Heat Island Effect
- Architectural shading features control solar heat gain
- Renewable energy generated by onsite photovoltaic panels provides 24% of the building’s energy
- Low-flow fixtures reduce domestic water use
- 100% of water used for irrigation supplied from excess water from the evaporation cooler system
- Building material with high-recycled content was sourced from local vendors
- Low VOC-emitting materials for the building’s interior creates enhanced Indoor Environmental Quality

PROJECT RESULTS

- LEED** for New Construction PLATINUM level achieved
- 47%** energy cost savings above ASHRAE 90.1-2004 energy standard
- 94%** of work spaces have daylighting and access to exterior views
- 50%** reduction of potable water for domestic use
- 77%** of construction waste was diverted from the landfill

LEED Facts

LEED for New Construction v2.2
Size: 11,000 SF
Certification Date: July 2012



POINTS ACHIEVED	53/69
Sustainable Sites	12/14
Water Efficiency	4/5
Energy & Atmosphere	15/17
Materials & Resources	4/13
Indoor Environmental Quality	14/15
Innovation in Design	4/5

Think

Design

Build



Green Ideas®

www.Egreenideas.com