

City of Phoenix Engineering & Architectural Services Department Green Building Initiatives

For additional information, please visit <http://phoenix.gov/sustainability/>

For a copy of the LEED checklist, please visit <http://www.usgbc.org/>

Background

The City of Phoenix is committed to sustainable design and construction. The following timeline tracks the development of the program:

- ♻️ 2000: City General Plan encourages green building construction techniques
- ♻️ 2000 – 2001: Researched possible rating systems
- ♻️ 2002: Adopted USGBC LEED process
- ♻️ 2002 – 2005: Used pilot projects to gain experience
- ♻️ 2005: Pilot program led to informed decision on Green Bldg policy
- ♻️ 2005: Phoenix City Council adopts “Green Building” Guidelines: Design and build City buildings to **LEED Certified** standard

LEED Indicators

- ♻️ Sustainable Sites
- ♻️ Water Efficiency
- ♻️ Energy & Atmosphere
- ♻️ Materials & Resources
- ♻️ Indoor Environmental Quality
- ♻️ Innovation in Design

LEED Certified City Projects

Fire Station #50



- LEED Certified – April 2004
- 2.6 acre site, 13,500 ft² building

Desert Broom Library



- Opened February 2005
- LEED Certified – November 2006

Phoenix Convention Center West Building

- Opened July 2006
- LEED Silver -- May 2008
- 3 acre site, 872,000 ft² building

Glenrosa Service Center

- Opened September 2005
- LEED Gold Certified – July 2008
- 14,000 ft² building

LEED Registered City Buildings

Cesar Chavez Library

- Opened August 2006
- LEED certification in progress
- 25,000 ft² building

Nina Mason Pulliam Rio Salado Audubon Center

- Opened in April 2009
- LEED certification in progress
- 7,200 ft² building

ASU Cronkite School of Journalism / KAET Channel 8

- Opened August 2008

- LEED certification in progress
- 206,000 ft² building

Rio Salado Audubon Center

- Construction began in fall 08

ASU College of Nursing and Healthcare Innovation

- Under construction

Fire Station # 72

- In design

Fire Training Academy / Command center

- Under construction

Sustainable Design Elements



Concrete Floors (Desert Broom Library)



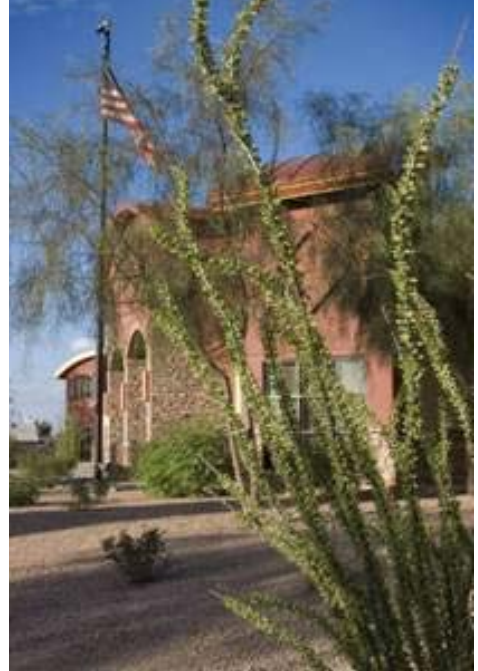
Skylights (Desert Broom Library)



(Cesar Chavez Library)



Chairs made of recycled automotive seatbelts and battery cases
(Phoenix Convention Center)



Water Efficient Landscaping
(Fire Station #50)



Stormwater Management (Fire Station #50)



Use of daylight & views
(Cesar Chavez Library)



Reflectors used to prevent light pollution
(Phoenix Convention Center)



Energy Management System
(Phoenix Convention Center)

New Technologies

Photovoltaic Solar Panels



Pervious Concrete



Cool Roof Systems



Roof Before Treatment



After a Cool Roof was Installed

Activities

Green Building Expo

Phoenix Convention Center, November 7 & 8, 2008.

City of Phoenix LEED Accredited Staff

- Bonnie Fish
- Luz Coleman
- Theresa Foster
- Gregory Gilliam
- Juan Giron
- Cynthia Parker
- Phil McNeely
- Tauny Woo
- Cheryl Sutton
- David Hensley
- Samuel Hanna
- Linda Palumbo