



New Queen Creek Library Environmentally-Friendly Features

The Queen Creek Town Council approved the use of green building techniques for the design and construction of the new library and the application for LEED certification of the building.

Green buildings are buildings that use resources like energy, water, renewable materials and land more efficiently than other buildings.

LEED

- Leadership in Energy and Environmental Design
- Green building rating system used by the U.S. Green Building Council
- Nationally accepted benchmark for third-party certification of green buildings

LEED Focuses on Five Areas

- Sustainable site development
- Water savings
- Energy efficiency
- Materials selection
- Indoor environmental quality

LEED Features of the new Queen Creek Library

- Bicycle racks for parking/securing bicycles to encourage bicycle use
- Exterior lighting design that reduces light pollution
- Water-efficient landscaping outside of turf areas
- Solar-reflective insulating foam used on the roof to diminish the heat island effect
- Low-water use fixtures
- Low-energy use systems
- Recycled and regional materials used in construction
- Recycling of construction waste
- Low-emitting materials used in paints, carpets and adhesives
- Natural lighting used to offset the use of electric lighting
- Use of green housekeeping products after the library opens

It is estimated that the 2 percent increase in upfront construction costs will be recouped by the Town within six to nine years due to savings from energy- and water-efficient systems.