



How GREEN is the WREC?

Wildcat Recreation Center
California State University, Chico

Architect: Sasaki Associates, Inc.
San Francisco, Calif.

Contractor: Otto Construction
Sacramento, Calif.



WILDCAT RECREATION CENTER
A PROGRAM OF ASSOCIATED STUDENTS
CALIFORNIA STATE UNIVERSITY, CHICO



LEED Gold Certification

The Associated Students of California State University, Chico take pride in working toward being green and sustainable in every possible way. This has been apparent in every stage of the planning and construction of the Wildcat Recreation Center and the efforts have paid off.

The Wildcat Recreation Center (WREC) is proud to be a LEED Gold certified gym.

LEED (Leadership in Energy and Environmental Design) is a rating system developed by the United States Green Building Council.

To obtain LEED status, the building had to be constructed with minimal environmental impact, on a sustainable site, with low energy, water, and waste features, as well as be designed with high environmental health quality standards.

The Wildcat Recreation Center is a showcase for sustainability. From sensible use of natural resources, maximizing the use of regional and recycled products, to reclamation of the building site, the WREC serves as a model for green building.



US Green Building Council

Mission Statement: The U.S. Green Building Council is the nation's foremost coalition of leaders from across the building industry working to promote buildings that are environmentally responsible, profitable and healthy places to live and work.

For more information on the USGBC and LEED certification go to the following web site: www.usgbc.org

The site of the Wildcat Recreation Center formerly housed old warehouses which sat on land that was contaminated by industrial activities. These chemicals were safely removed and hauled away for proper storage, and old lead and heavy metal tanks were taken to be recycled.

Site Demolition & Recycling

During demolition of these buildings, 97% of the building material was recycled or reused. Some of the wood was re-milled and used to build the WREC front desk and benches throughout the building. Scrap steel went to a local metal recycler. Much of the asphalt and concrete was ground and recycled on site or used as road base nearby. Scrap drywall was ground into gypsum, and used as a soil amendment at the University Farm. Scrap wood was sent to the co-generation plant in nearby Oroville, California to be used as biofuel and converted to electricity.

The WREC building site was chosen for its close proximity to the campus, student housing, and public transportation. Alternative transportation is encouraged by the bicycle and skateboard racks featured in the plaza, as well as additional parking stalls for mopeds and motorcycles.



Efficiency

The WREC lessens the impact on natural resources through the use of a variety of energy saving products.

The pool is heated in large part by solar power. Rainwater is captured in bioswales and treated before being released into the stormwater system.

Outside air is pre-conditioned before regular heating and cooling, lessening the energy used in conditioning the space.

The wood products used in the group exercise rooms and basketball courts, have been certified by the Forest Stewardship Council (FSC) regarding their sustainable harvesting and manufacturing methods.

An electric traction elevator was installed, providing several advantages over a hydraulic elevator. Traction elevators use far less energy, save space and create no environmental concerns over hydraulic fluids.

The WREC has 40% more efficient shower heads and waterless urinals, which not only reduce water use, but also decreases the need to heat, clean and pump the water.

Insulation in the walls is made from old blue jeans and recycled newspaper. Almost every material used in construction and furnishing of the building contains some recycled content. The bathroom stalls, for example, contain 80% recycled content.



Breathe easy...

Indoor Air Quality – All paints and adhesives in the building are low volatile organic compound (VOC), to ensure higher air quality, both for the environment and for student health. Air quality in the building meets MERV 13 standard. To compare, hospitals meet MERV 14 standards in their most critical areas.



More Features...

The indoor track is a Mondo Super X Performance track, the same track type used at the eight Olympic Games prior to Beijing in 2008. The material is composed of natural renewable rubber, natural fillers and color pigments that are free of lead and other heavy metals. Ten Mondo rubber flooring surfaces recently received GREENGUARD Indoor Air Quality Certification.

The glass used throughout the building allows maximum light transmission while minimizing heat loss/gain. It provides for more natural lighting without affecting heating and cooling loads.

The WREC supports the Associated Students-led “Take Back the Tap” campaign on campus by offering filtered water at bottle filling locations and encouraging the use of refillable water containers over single-use disposable ones. The WREC does not sell bottled water, to reduce landfill waste, demand for plastic, and in consideration of user’s health.

Keeping it Green

All cleaning products used in the Wildcat Recreation Center are Green Seal Certified and custodial staff are trained in “green” cleaning practices.

All bathroom paper products are recycled content and also meet Green Seal certification standards.

Attractive recycling casework is built in and accessible throughout the facility.