



**RECREATION CENTER
UNIVERSITY OF CALIFORNIA,
SANTA BARBARA**

24% energy use reduction

41% indoor water use reduction

686,000 kWh of
electricity generated annually by rooftop
photovoltaic panels



LEED® Facts

Recreation Center

UC Santa Barbara

LEED for Existing Buildings: Operations
and Maintenance v2009
Certification awarded December 5, 2013

Gold 62*

Sustainable Sites 18/26

Water Efficiency 8/14

Energy & Atmosphere 10/35

Materials & Resources 7/10

Indoor Environmental
Quality 10/15

Innovation in Design 6/6

Regional Priority Credits 3/4

*Out of possible 110 points

UCSB Recreation Center

Maintaining a High Building Standard

The Rec Cen: Proof that a little money can go a long way

PROJECT BACKGROUND

The original Recreation Center building was constructed in 1994, with an expansion added in 2004. It was first certified under LEED® for Existing Buildings in 2008 where it received Silver certification, and has since made further improvements to the facility in order to reach Gold for its second LEED® EB certification. By incorporating sustainable infrastructure and building maintenance practices, the Recreation Center promotes occupant productivity and a healthy indoor

INCREASING ENERGY EFFICIENCY

Several upgrades were made to increase the Rec Cen's energy efficiency, including a pool cover to considerably reduce evaporation and heat loss. To further cut electricity use, old lighting was replaced with high-efficiency fixtures, and the MAC expansion demonstrated little need to have lights on during the day, by utilizing daylighting.

A 155-kW solar photovoltaic array (the largest on campus) installed in 2008 along with five energy-generating bicycles added in 2010 help offset some of the building's energy use. Real-time electricity, gas, and water meters have been installed to accurately track utility demands.

GREEN PURCHASES AND PRACTICES

The facility's custodial staff follow a rigorous green cleaning policy to minimize chemical use while maximizing cleanliness and occupant health. 81% of purchased cleaning products are environmentally-friendly and sustainable, while 67% of paper and supplies are made from recycled materials. A waste audit revealed that 66% of waste is diverted from the landfill through recycling.

ABOUT THE RECREATION CENTER

The Recreation Center aims to encourage the development of new skills and interests essential to a balanced, healthy and active lifestyle. It is made up of two large exercise buildings, an aquatics complex, tennis courts, expansive fields, and much more. In addition to exercise options, it offers leisure classes, summer camps, and team sports programs. As a whole, the center provides a substantial hub for students, staff, and community members of all ages to enjoy all types of exercise and activity.

"Bringing sustainability through each building's lifecycle – from design and construction to operations and maintenance – has been an area of increasing focus for UC Santa Barbara. With fewer new facilities planned for construction in the short-to-mid term, greater emphasis has been placed on renewing and upgrading existing facilities as a means to lower the campus' environmental impact."

Jordan Sager
Sustainability Manager
UCSB Design & Facilities Division



ABOUT LEED

The LEED® Green Building Rating System™ is the national benchmark for the design, construction, and operations of high-performance green buildings. Visit the U.S. Green Building Council's web site at www.usgbc.org to learn more about LEED and green building.

www.sustainability.ucsb.edu
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