

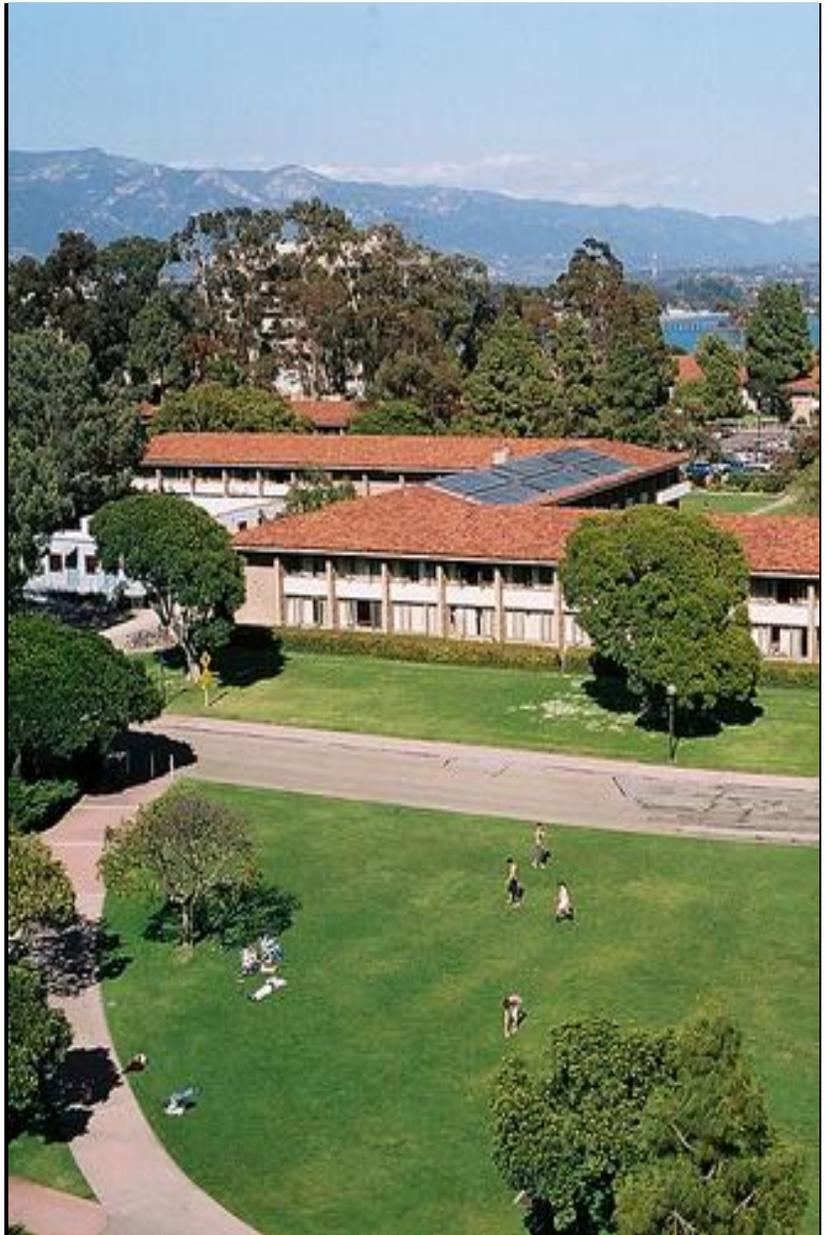


**SANTA ROSA RESIDENCE HALL
UNIVERSITY OF CALIFORNIA,
SANTA BARBARA**

51% energy use reduction

46% water use reduction

112% of electricity procured
from renewable power sources for two
years



LEED® Facts

Santa Rosa Residence Hall

UC Santa Barbara

LEED for Commercial Interiors v2009
Certification awarded May 14, 2013

Gold 65*

Sustainable Sites 10/21

Water Efficiency 11/11

Energy & Atmosphere 20/37

Materials & Resources 6/14

Indoor Environmental
Quality 8/17

Innovation in Design 6/6

Regional Priority Credits 4/4

**Out of possible 110 points*



UCSB Santa Rosa Residence Hall

Greenest Residence Hall on Campus

Santa Rosa: An eco-friendly residence hall renovation

PROJECT BACKGROUND

The Santa Rosa Residence Hall was originally constructed in 1954, and was the first building on campus to house renewable energy generation capacity when the campus installed a roof-mounted solar hot water heating system in the 1970's. During the summer of 2012, Santa Rosa underwent a facelift that improved the energy efficiency, water efficiency, health and comfort of the building dramatically.

DESIGN TO MAXIMIZE ENERGY EFFICIENCY

The project team designed the new heating, ventilation and lighting systems that were installed during the renovation to minimize energy usage while dramatically improving the indoor aesthetics and the comfort of the interior spaces of Santa Rosa.

CONSERVING WATER

By installing low-flow sinks, toilets and other water using fixtures, the Santa Rosa Residence Hall has been able to cut its water use intensity nearly in half. The landscaping requirements, like the rest of campus, are met with recycled water, therefore avoiding a large amount of the energy use and chemical treatment associated with pumping and treating water to drinking standards.

A HEALTHY INDOOR ENVIRONMENT

All of the finish materials used in the renovation contained low or no volatile organic compounds, or VOCs. VOCs are commonly found in paint, adhesives, sealants, carpeting and other building materials. UCSB has committed to using only low-VOC alternatives in this and all other new building and renovation projects.

ABOUT HOUSING & RESIDENTIAL SERVICES

Housing & Residential Services exists as an integral part of the educational program and academic services of UCSB. Inherent in the operation of Housing & Residential Services is the formation and support of an atmosphere that is conducive to living and learning for our residents and for those who use our services. Housing & Residential Services promotes the academic mission of UCSB and creates through support services and development programs a sense of community among students, faculty and staff.

"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



Architect: KBZ Architects
Engineers: Brummel Engineering, MEC
Contractors: Diani Building Corp
Commissioning Agent: Salas O'Brien

Project Size: 82,353 sqft
Total Project Cost: \$5.3 million
Cost per square foot: \$65

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.usgbc.org
202-828-7422

