



Green Building Case Study Student Resource Building (SRB)



Building Highlights:

LEED Certification Type: New Construction (NC)

LEED Certification Level: Pending

Size: 63,000 gross sq ft

Cost: \$24 million

Funding Source: Student Services

Completion Date: February 2007

Contacts:

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Architects: Sasaki Associates, Inc.

Engineers: ARUP

Contractors: Rogers-Quinn Construction, Inc.

Landscape: Sasaki Associates, Inc.

www.sustainability.ucsb.edu



Why this Building?

The Student Resources Building embodies a program that supports UCSB's goals for diversity and sustainability. From the start, the design team conceptualized sustainable initiatives including building siting, day-lighting, natural ventilation, interior air quality, water conservation, materials selection, and building community. This process resulted in the informed, achievable, and budgeted set of goals and measures that shaped the sustainable solutions and ensured stellar building performance and LEED certification.

Green Achievements:

- Surpasses Title 24 by 21%
- Purchase of over 1 million kWh of clean energy – enough to supply building's energy needs for two years and prevent over 1 million lbs of CO₂ from entering atmosphere
- Passive ventilation system linked to temperature control system with operable perimeter and atrium windows
- AC system for interior spaces linked to campus-wide chilled-water loop
- Transparent glass & metal curtain along North-facing wall to maximize day-lighting across open atrium
- Motion sensor lighting controls
- Sun shading blinds, overhanging sun screens and exterior window glazing
- Extensive, real-time, transparent energy use monitoring and metering
- Waterless urinals, low flow toilets & faucets with motion sensors
- Minimal wall coverings including low VOC paints and post-consumer nylon panels
- Recycled rubber (vinyl) flooring
- Low VOC, recycled carpeting
- Forest Stewardship Council certified wood
- Shade tree grove to reduce heat-island effects
- Drought tolerant landscaping and reclaimed water irrigation