



Green Building Case Study

Marine Science Research Building

Green Achievements:

- Diverted 99.2%, or 33 tons, of construction waste away from landfill
- 30% of construction materials locally or regionally manufactured
- LEED commissioning and specific Fume Hood commissioning. Full-building commissioning in 2007
- Surpasses California Title 24 by more than 15% by design
- 100% renewable wind power for first two years, equivalent to taking 76 cars off the road
- Energy Star® roof
- Daylighting in all interior spaces
- Efficient lighting system and controls
- Extensive metering system to track resource use and air quality
- Waterless urinals, low flow sinks, dual flush toilets reduce water use by 25%, saving almost 670,000 gallons/year
- Reclaimed water used to irrigate drought tolerant landscape
- Passive ventilation in perimeter offices
- Renewable materials in carpet, wood fixtures, and concrete

Building Highlights:

LEED Certification Type: NC (New Construction)

LEED Certification Level: Certified

Size: 60,542 sq ft

Cost: \$26 million

Funding Source: Garamendi

Completion Date: May 2004

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Architects: Zimmer Gunsul Frasca

Engineers: Flack & Kurtz

Contractors: Pinner Construction

Landscape: Wallace Roberts Todd



Why this Building?

The Marine Science Research Building (MSRB) was constructed in 2004, and is located right next door to Donald Bren Hall, UCSB's first LEED Platinum certified building. Considering the subject matter studied within, the close proximity to another high performance building, and Chancellor Yang's Green Building Policy, MSRB's design process included LEED initiatives from the start. The building design process paid special attention to laboratory energy efficiency, water conservation, and installation of optimal lighting technologies.

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