



# 2008 Annual Report on Sustainability Policy

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# Introduction

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- **Dec 2002** – Regents requested feasibility study for Green Building/Clean Energy policy
- **July 2003** – Regents approved Green Building/Clean Energy policy principles, require annual progress report
- **June 2004** – Presidential Policy and Policy Guidelines issued
- **Jan 2006** – Policy expanded to include sustainable transportation and climate change
- **Mar 2007** – Policy expanded to:
  - include operations, waste reduction, and purchasing
  - further define climate protection and building renovations
- **Mar 2008** – Regents pass action item urging UCOP to add sustainable food goals to the Policy and to “strongly consider” increasing Green Building goals



## Highlights of 2008 Accomplishments

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1. Green Building
2. Clean Energy
3. Climate Protection
4. Sustainable Transportation
5. Sustainable Operations
6. Recycling and Waste Management
7. Environmentally Preferable Purchasing
8. Faculty, Staff and Student Collaboration
9. External Recognition





# 1. Green Building

## 15 LEED Certified Buildings to date

- 2 LEED Platinum, 4 LEED Gold, 7 LEED Silver, 2 LEED Certified
- 4 LEED projects certified in 2008

## 119 New Construction projects with green building goals since 2004

- 51 LEED Certified, 48 LEED Silver, 19 LEED Gold, 1 LEED Platinum
- 43 new projects established green building goals in 2008

## UC projects are designed to exceed Title 24 by 20%

- Estimated \$5.4M in annual operational savings to-date from 180 projects
- \$5.5 in incentive payments expected from these projects



Kolligian Library, UCM – LEED Gold



Tahoe Research Center, UCD – LEED Platinum



## 2. Clean Energy

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\$12M in annual savings from energy efficiency projects (2004- 2008):

- Over 150 projects implemented through utility partnership
- \$22M in grants from utilities

### Solar PV

- UCI, UCSD completing installation of 1 MW each
- UCSF Mission Bay: 250 kW
- Smaller systems in place at UCSB, UCB

Strategic energy plan completed



UC Berkeley's 100 kW PV array, located on Martin Luther King Student Center roof



UC Berkeley Vice Chancellor Nathan Brostrom accepts the campus's Flex Your Power Award from Gov. Schwarzenegger.





## 3. Climate Protection

- Most campuses completed climate action plans in December 2008
- All campuses joined California Climate Action Registry
- All campuses reported emissions to American College and University Presidents Climate Commitment
- UC Santa Cruz, City, County implementing climate compact



UCSC Chancellor Blumenthal signs the Climate Action Compact as Santa Cruz's Mayor and County Supervisor Look On. Photo by Guy Lasnier.



Logo of the Cal Climate Action Partnership



## 4. Sustainable Transportation

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- Campuses tracking transportation-related GHGs which account for 26% of UC's carbon footprint
- Campuses expanding Transportation Demand Management Programs



The debut of UC Irvine's first shuttle to run exclusively on biodiesel



Zipcar car share program at UC Santa Cruz





## 5. Sustainable Operations

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Three LEED-EB Certified UC buildings:

- **2008:** UCSB Rec Cen (LEED Silver)
- **2007:** UCOP Franklin building (LEED Silver)
- **2005:** UCSB Girvetz Hall (LEED Silver)

UCSC, UCLA, UCSD, UCSF have submitted projects to USGBC for LEED-EB certification

UC Santa Barbara plans to certify 25 LEED-EB buildings in five years

UC Merced plans to certify all its buildings through LEED-EB



UCOP Franklin Building, LEED-EB Silver (2007)



UCSB Recreation Center, LEED-EB Silver (2008)

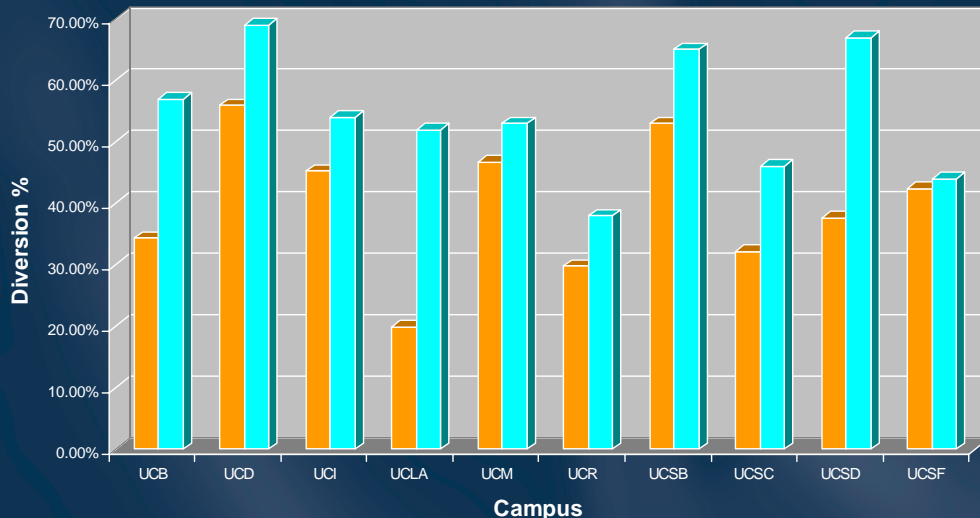




## 6. Waste Reduction

- UCD: Zero Waste Stadium
- All campuses increased diversion rates in '07-'08
- Seven campuses above 50% diversion rate goal

Diversion Rate by Campus  
2006 vs. 2007



UC Davis's zero-waste Aggie Stadium



## 7. Sustainable Purchasing

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- Vendors required to track UC sustainable product purchases
- >10% of UC's tracked purchases are for green products, up from 3% in 2007
- Sustainable product offerings now available in 24 strategically product categories (increased from 17 last year)
- All office equipment must be ENERGY STAR certified



UC's environmentally preferable purchasing guidelines encourage the use of EPEAT™, ENERGY STAR™, and Green Seal™-certified products.



# Student/Faculty/Staff Collaboration

## Focus the Nation

- National teach-in on global warming solutions, all 10 campuses participated

UCSC: Green Business certification at 8 of 11 dining facilities

UCSB: training students to be campus sustainability ambassadors

Campus living laboratories provide students with hands-on service learning opportunities

- UCSD: DEMROES program
- UCB: Building Sustainability @ Cal



UCSC Student and staff organizers of the 8<sup>th</sup> annual campus Earth Summit



UCSD's Dr. Jan Kiessle and students at one of 30 wireless weather monitoring stations; by collecting real-time data on conditions these stations help UCSD maximize natural cooling and solar PV potential.





## External Recognition

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**BusinessWeek**

**Los Angeles Times**



**TIME**



- UC Sustainability initiatives mentioned in over 100 news stories, including articles in the national news media
- UC won 20 sustainability awards in 2008, including the state's highest environmental honor
- UC was recognized as a leader in all high education sustainability rankings in 2008, including first annual Princeton Review rankings.

**SIERRA**

The San Diego  
**Union-Tribune.**

**Forbes**

**San Francisco Chronicle**  
NORTHERN CALIFORNIA'S LARGEST NEWSPAPER



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