

## Campus Sustainability Plan

The **Campus Sustainability Plan (CSP)** is a dynamic document providing a roadmap of major steps toward achieving sustainability over the next twenty years. The Plan's short-term and long-term objectives incorporate environmental, societal, and economic responsibility. The main elements of the Plan are the goals and actions developed by the following eleven teams made up of individuals from all parts of the campus.

**The University of California, Santa Barbara** is committed to global leadership in sustainability through education, research, and action.

### ACADEMICS & RESEARCH

Promote curriculum and research that address the relationship between humans and the environment with consideration of social, economic, and environmental sustainability.

### BUILT ENVIRONMENT

Create superior places to study, work, and live that enhance the health and performance of building occupants through sustainable planning, design, construction, operations, retrofits, and biomimicry.

### COMMUNICATION

Share UCSB's innovative sustainability efforts, achievements, and best practices with the campus, regional, and national communities.

### ENERGY

Create a carbon neutral campus through energy efficiency, conservation, on-site and off-site generation, and strategic procurement of clean and renewable energy.

### FOOD

Create a regional and organic closed loop food system that includes sustainable criteria for purchasing, food preparation and service, presentation, cleaning and waste disposal, equipment, and supplies.

### LABS, SHOPS & STUDIOS

Reduce the environmental impact of laboratory practices while maintaining high-level research opportunities through design, training, and behavioral modification.

### LANDSCAPE & BIOTIC ENVIRONMENT

Protect and maintain the natural environment through restoration, preservation, and education while enhancing the campus as a living classroom.

### PROCUREMENT

Support education, research, and public service through the procurement of resources that promote sustainable market transformations.

### TRANSPORTATION

Maximize the potential of alternative transportation methods to minimize local emissions and to encourage the transition to a non-petroleum based system.

### WASTE

Reduce landfill waste generated on campus by expanding recycling programs and encouraging the use of "cradle-to-cradle" products.

### WATER

Reduce potable water use through implementation of efficiency measures, collection technologies, re-processing, and re-use.

### THE BIG EIGHT POLICIES

- Alternative Fuel/Ultra Efficient Vehicles Purchasing
- Bicycle Path/Parking Requirements for New Construction
- Energy Star™ Equipment Purchasing
- Minimum LEED™ Gold Certification for New Construction
- Sustainable Furniture Purchasing
- Sustainable Laboratory Assessments/Practices
- Recycled-Content Paper Purchasing
- Renewable Energy Production On-Campus and Off-Site

## Raising the Bar

In July 2010, UCSB became the first University of California campus to implement eight interim sustainability policies that direct the campus toward becoming the most environmentally responsible university in the world.

The policies are the product of almost two years of work by the Chancellor's Sustainability Committee and went into effect July 1, 2010 pending formal campus policy approval. Co-chaired by Bruce Tiffney (Dean of the College of Creative Studies) and Ron Cortez (Associate Vice Chancellor of Administrative Services), the committee is made up of 19 UCSB students, staff, and faculty members, including two Nobel laureates.



*"I very much appreciate the dedicated efforts and contributions of our faculty and staff colleagues, and especially our students. Together we are making UC Santa Barbara a living laboratory not only for innovative research, but also for pioneering practices in environmental conservation and sustainability."*

Chancellor Henry Yang

**MEGAN CARNEY**, Department of Anthropology

## Student Spotlight

**STUDENTS ARE AN INTEGRAL PART** of UCSB's mission to leave a smaller footprint. One such student is **Megan Carney** who has inspired the campus through her dedication to establishing sustainable food sources. Megan originally became interested in food sustainability as an undergraduate at UCLA where she founded a student-run organic garden and assembled a food services working group to address campus food policy.

As a graduate student at UCSB, Megan expanded her efforts as she helped create guidelines for sustainable food services that were added to the entire UC system's sustainability policy in fall 2009. These guidelines require all UC dining services to procure 20% of their food from sustainable sources by 2020. Megan helped implement this policy into UCSB's Residential Dining Services which purchased 23% of its food from sustainable sources in 2010. Megan also contributed to other UCSB Residential Dining Services projects including: establishing the Community Sustainable Foods Group, launching the trayless dining campaign, starting Sustainability Week, creating Meatless Monday, and featuring climate friendly food for Earth Day in the Dining Commons.

In 2009, Megan was awarded a grant from The Green Initiative Fund (TGIF) to serve as UCSB's Sustainable Food Coordinator and to organize the Real Food Challenge student intern program. Her work led to the creation of a Real Food Challenge newsletter, website, and blog that help the program conduct research and share best practices in sustainable dining. The Real Food Challenge also hosted World Food Day, which is part of a national event that draws attention to global food insecurity and hunger. Megan also oversaw the "Food for Thought (and Action)" lecture series which challenged students to

engage food system issues and educated them about how to make more socially and environmentally responsible food choices.

Not only has Megan influenced food practices at UCSB and across the entire UC system, she has also engaged the local Santa Barbara community in her projects. She coordinates the Santa Barbara County Food Policy Council, a grassroots organization that brings together stakeholders from diverse food-related sectors to examine how the food system is operating and to develop recommendations for improvement. The Council's goals include: encouraging the use of local foods in restaurants, advocating for locally-produced food, establishing a countywide composting program, and implementing energy efficiency measures at local farms.

Megan's accomplishments reflect UCSB's commitment to reducing its environmental impacts and sharing best practices in sustainability with the surrounding community.



For more detailed information please visit our website:

[sustainability.ucsb.edu](http://sustainability.ucsb.edu)

or call 805.893.8367

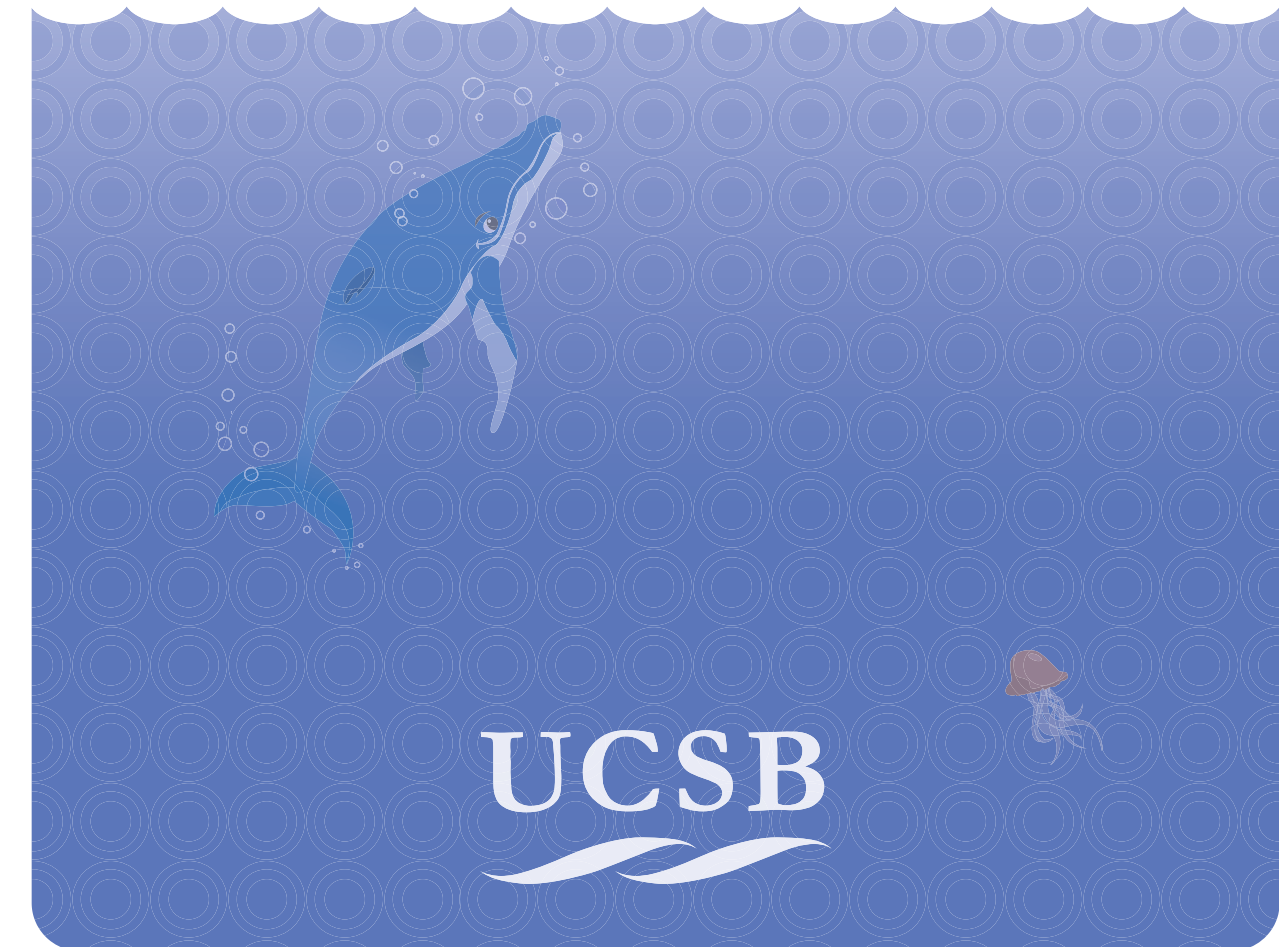


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# Leave No Footprint Behind

Building a Better Tomorrow at UCSB



# UCSB

## Bioswale Drainages

Landscape Elements Cleanse Runoff and Maintain Biodiversity



## The Green Initiative Fund (TGIF)

Grants Awarded Annually to Reduce Environmental Impact



## Alternative Transportation

EPA Designation as One of the Best Workplaces for Commuters



## Renewable Energy Initiative

A Lock-in Fee to Achieve Zero Net Energy for all Student Affairs Bldgs



## Recognitions

- 2007**
- Governor's Environmental & Economic Leadership Award/Children's Environmental Education (Kids in Nature)
  - Santa Barbara County Green Award for overall sustainability efforts
  - National Wildlife Federation acknowledgement for energy conservation projects

- 2008**
- Energy Efficiency Award/Flex Your Power
  - Go Beyond Award/I2SL and R&D Magazine (LabRATS)
  - Waste Reduction Awards Program (Ellison Hall Sustainability Committee)
  - Green Cleaning Award/American School & University Magazine (UCSB custodians)
  - Honor Award/Architectural Foundation of Los Angeles (SR Building and Sasaki Associates)
  - Professionals Award/American Society of Landscape Architects (Manzanita Village & CCBER)
  - Institution Recycling Network recognition (H&RS kitchen/furniture donations to Jamaica)

- 2009**
- Innovation in Green Community Planning Award of Excellence/American Planning Association-Central Coast (H&RS & Urban Design Associates)
  - Top 10 "Cool Schools" for Sustainable Transportation/Sierra Magazine

- 2010**
- Goleta Valley Beautiful Award/City of Goleta (San Clemente Villages)
  - Bike Friendly Business Gold Award/League of American Bicyclists
  - UC/CSU/IOU Energy Efficiency Partnership Program 2010 Best Practice Awards
    - Student Sustainability Program Award (PACES)
    - Sustainable Food Award (Residential Dining)
    - Water Efficiency and Management Award (CCBER's work on the San Clemente Bioswale)
  - US News Top Ten Eco-Friendly Colleges
  - Princeton Review's 2010 Green Rating Honor Roll (1 of 18 campuses that received a perfect score)
  - Green Business Certification/Santa Barbara County (Coral Tree Café and Courtyard Café)

## Earth Friendly Living & Dining

H&RS Trayless Dining Program Reduces Food Waste by 54%



## LEED™+ Portfolio Program

World's First LEED™+ Double Platinum Building



## Faculty Sustainability Champions Program

An Annual Faculty Position to Further Campus Sustainability



## Campus Highlights

- **Environmental Studies Program** (est. 1970)
- **Donald Bren School of Environmental Science & Management** (est.1994)
- **LEED™+ Programs**
  - New Construction: Bren Hall (Double Platinum); San Clemente Villages (Gold); Engineering II Addition (Gold); Student Resources Building (Silver); Marine Science Research Building (Certified); Education & Social Sciences Building (Silver); Tipton Meeting House (Platinum)
  - Existing Buildings: Piloting a volume certification approach in partnership with the U.S. Green Building Council to certify 25 campus buildings through the *LEED™+ Portfolio Program*
- **Laboratory Research and Technical Staff Program (LabRATS)**
  - First program in the U.S. to comprehensively assess laboratory environmental performance
- **The Green Initiative Fund (TGIF)**
  - A student-funded program awarding grants for student, staff, and faculty projects that reduce UCSB's impact on the environment

- **Low Environmental Impact Cleaning Policy (2004)**
  - Green Seal certification on all campus cleaning products and soaps
  - 100% recycled content for all campus toilet tissue, seat covers, and paper towels
- **Housing & Residential Services and the University Center**
  - Extensive recycling programs, food waste composting, Green Seal cleaning products, recycling cooking oil to produce biodiesel, waterless urinals, local/organic produce, fair trade/organic coffee, organic herbs and flowers, solar water heating at the Residence Halls and Dining Commons
  - More Dining Commons initiatives: trayless dining program, sustainably harvested seafood, cage-free and certified humane eggs
- **Ellison Hall Sustainability Committee**
  - 89% waste diversion rate achieved through recycling pods (collecting traditional and non-traditional recyclables) and worm bins for composting food waste
- **Faculty Sustainability Champion Program**
  - Professor David Cleveland, Environmental Studies (2009-10)
  - Professor Eric Matthys, Materials (2010-11)

- **Energy Usage**
  - Commenced \$17 million of energy conservation projects/retrofits through the Strategic Energy Partnership
  - Decreased electrical (31%) and natural gas consumption (23%) per square foot since 1998
  - Installed 133 kW photovoltaic array (Multi Activities Center/RecCen) providing ~100% daily energy demand
- **Alternative Transportation Measures**
  - 80% students & 32% faculty/staff use alternative transportation
  - Host ZipCar, a car sharing program
  - Unlimited student access to MTD bus system
  - 7 miles of Class I bicycle paths
  - Skateboard lanes (1st in UC system)
  - 40 electric & CNG fleet vehicle
- **Other**
  - Signatory to the American College & University Presidents' Climate Commitment, reporting and certifying campus emissions since 2004
  - Landscaping irrigated with reclaimed water (85% of campus)
  - Divert 69% of landfill waste through recycling
  - 90% of campus paper purchases have recycled content

**T**HE DEFINING CHALLENGE of the 21<sup>st</sup> century is **sustainability**—learning to live within the limits of Earth's finite resources in order to protect the planet and its natural settings for future generations.

UC Santa Barbara has long been at the forefront of environmental research and education: creating one of the nation's first academic programs in Environmental Studies in 1970, and opening the Donald Bren School of Environmental Science and Management in 1994. UCSB continues to bring sustainable solutions to the planet by way of the campus.

As UCSB's laboratories and classrooms produce innovative solutions, these same solutions are demonstrated to the world through their implementation into the campus' physical facilities, operational practices, and behavioral programs. For instance, scientists and engineers at the Institute for Energy Efficiency develop energy solutions that are applied to the campus' building systems. The Cheadle Center for Biodiversity and Ecological Restoration investigates best practices in storm water management and the reintroduction of native species to help minimize water pollution and to develop drought-resistant landscaping on campus. The Environmental Studies faculty collaborates with Dining Services staff to increase purchasing of local organic foods and to promote composting. These efforts benefit both the community and UCSB by reducing energy use, transportation costs, carbon emissions, water consumption, and waste generation.

As the goals of sustainability continue to evolve, new challenges provide the everyday stimulus for developing fresh solutions. Some of these solutions will be discovered through the research of our campus' scientists and engineers, while others will result from the insight of our behaviorists, humanists, staff, faculty, and students.

**We all share a future – let's share the solutions that make it better.**