



# University of California, San Diego

The following information was submitted through the [STARS Reporting Tool](#) to be shared with Sierra magazine for consideration in their Cool Schools publication.

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*The information presented in this submission is self-reported and has not been verified by AASHE or a third party. If you believe any of this information is erroneous, please see the [process for inquiring](#) about the information reported by an institution.*

# Education & Research

## Co-Curricular Education

This subcategory seeks to recognize institutions that provide their students with sustainability learning experiences outside the formal curriculum. Engaging in sustainability issues through co-curricular activities allows students to deepen and apply their understandings of sustainability principles. Institution-sponsored co-curricular sustainability offerings, often coordinated by student affairs offices, help integrate sustainability into the campus culture and set a positive tone for the institution.

<b>Credit</b>
Student Sustainability Educators Program
Student Sustainability Outreach Campaign
Sustainability in New Student Orientation
Sustainability Outreach and Publications
Student Group
Organic Garden
Model Room in a Residence Hall
Themed Housing
Sustainable Enterprise
Sustainability Events
Outdoors Program
Themed Semester or Year

# Student Sustainability Educators Program

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## Responsible Party

**Kristin Hansen**  
Sustainability Analyst  
Auxiliary & Plant Services

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## Criteria

Institution coordinates an ongoing peer-to-peer sustainability outreach and education program for degree-seeking students. The institution:

- Selects or appoints students to serve as educators and formally designates the students as educators,
- Provides formal training to the educators in how to conduct outreach, and
- Offers faculty or staff and/or financial support to the program.

This credit focuses on programs for degree-seeking students enrolled in a for-credit program. Continuing education and/or non-credit students are excluded from this credit.

Student clubs or groups, which are covered by *Co-Curricular Education Tier Two Credit 1*, are not eligible for this credit unless the group meets the criteria outlined above.

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"---" indicates that no data was submitted for this field

## Total number of degree-seeking students enrolled at the institution :

27834

## Program name (1st program) :

EcoNauts

## Number of students served by the program to whom peer-to-peer sustainability outreach and education is offered (1st program) :

9862

## A brief description of the program, including examples of peer-to-peer outreach activities (1st program) :

UC San Diego's Housing\*Dining\*Hospitality (HDH) student EcoNaut\*program started in September, 2009. EcoNauts assist in the environmental education & outreach to the students who live on-campus at UC San Diego. EcoNauts were screened by a questionnaire, followed by an individual interview, and a group activity interview.

## A brief description of how the student educators are selected (1st program) :

UC San Diego's Housing\*Dining\*Hospitality (HDH) student EcoNaut program started in September, 2009. EcoNauts assist in the environmental education & outreach to the students who live on-campus at UC San Diego. EcoNauts were screened by a questionnaire, followed by an individual interview, and a group activity interview.

**A brief description of the formal training that the student educators receive (1st program) :**

UC San Diego's HDH Sustainability Manager spent a week reviewing the current HDH programs with new EcoNauts and discussing current environmental concerns and issues for the campus.

**A brief description of the staff and/or other financial support the institution provides to the program (1st program) :**

UC San Diego's HDH funds the EcoNaut program. There are seven student EcoNauts and a Sustainability Manager in HDH.

**The website URL for 1st Program :**

<http://hds.ucsd.edu/majorplanet/>

**Program name (2nd program) :**

Green Campus

**Number of students to whom peer-to-peer sustainability outreach and education is offered (2nd program) :**

27325

**A brief description of the program, including examples of peer-to-peer outreach activities (2nd program) :**

UC San Diego's Green Campus works to integrate sustainability into course curricula, build general campus awareness about environmental issues and implement projects targeting energy use, student involvement and operational changes. Green Campus interns also promote facility energy efficiency, green building practices and water conservation on campus and in the community by increasing awareness about energy and other sustainability related issues. Green Campus interns must apply and interview.

**A brief description of how the student educators are selected (2nd program) :**

Green Campus interns must apply and interview with representatives from the Alliance to Save Energy as well as the Building Commissioning and Sustainability team at UC San Diego..

**A brief description of the formal training that the student educators receive (2nd program) :**

Green Campus interns receive formal training in performing energy audits and other energy related topics twice per year during semi-annual Green Campus statewide meetings.

LEED-accredited professionals also provide training on LEED related topics to Green Campus interns. A lead intern holds weekly meetings to help coordinate campus projects and assessments.

**A brief description of the staff and/or other financial support the institution provides to the program (2nd program) :**

The Green Campus Program is funded, supported, and supervised by the Alliance to Save Energy and UC San Diego Auxiliary & Plant Services.

**The website URL for 2nd program :**

<http://greencampus.ucsd.edu/>

**Program name (3rd program) :**

AQUAholics

**Number of students to whom peer-to-peer sustainability outreach and education is offered (3rd program) :**

27325

**A brief description of the program, including examples of peer-to-peer outreach activities (3rd program) :**

UC San Diego's AQUAholics is a coalition between students, staff and faculty on combating UC San Diego's water use addiction. Rather than a workgroup, it is a resource for networking and collaboration between different areas of campus already working on water conservation and management. AQUAholics seeks to send a consistent message of water conservation to the campus community that represents all these efforts of water conservation and aims to accelerate the growth of new collective efforts. UC San Diego AQUAholics are the people who consume water on campus.

**A brief description of how the student educators are selected (3rd program) :**

Anyone who uses water can become an AQUAholics by recognizing the importance of water conservation.

**A brief description of the formal training that the student educators receive (3rd program) :**

In response to California's water crisis and UC San Diego's high water use, students, staff, and faculty formed the collaborative "AQUAholics" and developed a 12-Step Recovery Program to reduce UC San Diego's dependency on water and to create resources for water conservation education and outreach.

**A brief description of the staff and/or other financial support the institution provides to the program (3rd program) :**

UC San Diego department champions are encouraged to attend AQUAholics meetings and use AQUAholics as a resource for water conservation. (Facilities Management, Housing, Dining and Hospitality, Environment, Health and Safety, The Student Sustainability Collective, The Sustainability Resource Center, The Social and Environmental Sustainability Committee, The Sustainability Solutions Institute, AQUAholics Student Intern, Sports Facilities, University Center, Academics, Medical Centers).

**The website URL for 3rd program :**

<http://www.aquaholicsucsd.com/>

**Program name (All other programs) :**

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**Number of students to whom peer-to-peer sustainability outreach and education is offered (All other programs) :**

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**A brief description of the program, including examples of peer-to-peer outreach activities (All other programs) :**

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**A brief description of how the student educators are selected (All other programs) :**

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**A brief description of the formal training that the student educators receive (All other programs) :**

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**A brief description of the staff and/or other financial support the institution provides to the program (All other programs) :**

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**The website URL for all other programs :**

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# Student Sustainability Outreach Campaign

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## Responsible Party

**Michelle Perez**

Sustainability Analyst

Facilities Management

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## Criteria

Institution holds at least one sustainability-related outreach campaign directed at students. The campaign yields measurable, positive results in advancing sustainability. The sustainability-related outreach campaign may be conducted by the institution, a student organization, or students in a course.

To measure if the campaign yields measurable, positive results, institutions should compare pre-campaign performance to performance during or after the campaign.

The campaign could take the form of a competition (such as a residence hall conservation competition), or a collective challenge (such as a campus-wide drive to achieve a specific sustainability target).

The campaign may focus on one or more sustainability issues, but educating students is a primary feature of the campaign.

The campaign may reach additional campus members (faculty, staff, visitors, etc.) as long as students are one of the audiences of the campaigns.

The following impacts are not sufficient for this credit:

- Increased awareness
  - Additional members of a mailing list or group
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*"---" indicates that no data was submitted for this field*

## Does the institution hold a campaign that meets the criteria for this credit? :

Yes

## The name of the campaign(s) :

Shut the Sash Fumehood Campaign

## A brief description of the campaign(s) :

The UC San Diego Annual Shut the Sash Competition is a 5-week campaign sponsored by the Green Campus Program, Facilities Management, Environmental Health & Safety, and the Biology Department. The first competition began in January 2009 and has happened every year since. The campaign involves 11 labs in a challenge to reduce their energy consumption and improve air quality by closing the sashes on fume hoods when not in use. The "Shut the Sash" competition helps promote energy savings by challenging laboratories to save more energy than other laboratories from a set baseline.

**A brief description of the measured positive impact(s) of the campaign(s) :**

The Shut the Sash Competition educated researchers, raised awareness of lab energy efficiency and showed real savings in energy use and cost. On average, there was a 27 percent reduction in sash heights over a five-week period in 2009. The Shut the Sash competition and awareness campaign also saves 21,734 kWh/year of \$1695.25 annually, assuming sash heights stay at a similar level.

**The website URL where information about the sustainability outreach campaign(s) is available :**

<http://shutthesash.wordpress.com/>

# Sustainability in New Student Orientation

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## Responsible Party

**Kristin Hansen**  
Sustainability Analyst  
Auxiliary & Plant Services

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## Criteria

Institution includes sustainability prominently in its new student orientation activities and programming. Sustainability activities and programming are made available to all new students and are intended to educate about the principles and practices of sustainability.

Because orientation activities vary from one institution to another, prominent inclusion of sustainability may not take the same form on each campus. When reporting for this credit, each institution will determine what prominent inclusion of sustainability means given its particular context.

As this credit is intended to measure sustainability being infused throughout the institution, program or discipline-level orientations are not included in this credit.

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*"---" indicates that no data was submitted for this field*

## Does the institution include sustainability prominently in new student orientation? :

Yes

## A brief description of how sustainability is included prominently in new student orientation :

During Welcome Week, UC San Diego's Thurgood Marshall College sponsors an informational session called Triton Voices- Diversity and Community, which teaches students about social justice and provides insight into what it means to be a member of the UC San Diego community. During Welcome Week Thurgood Marshall College also sponsors an International Day of Peace Celebration that gives student an opportunity to participate in a community service project and make a pinwheel promoting the UC San Diego community effort towards peace. Both of these events help to promote social sustainability on campus. The Resident Advisors (RA'S) for Freshman and Sophomores living on campus are educated about campus sustainability and conservation during their training process through EcoBootcamp. The RA's are then able to pass on sustainability information to new students living on campus beginning during orientation and continuing throughout the year.

## The website URL where information about sustainability in new student orientation is available :

<http://welcomeweek.ucsd.edu/index.php?go=allcolleges&p=all>

# Sustainability Outreach and Publications

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## Responsible Party

**Kristin Hansen**  
Sustainability Analyst  
Auxiliary & Plant Services

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## Criteria

Institution produces outreach materials and/or publications that foster sustainability learning and knowledge. The publications and outreach materials may include the following:

- A central sustainability website that consolidates information about the institution's sustainability efforts
  - A sustainability newsletter
  - A vehicle to publish and disseminate student research on sustainability
  - Building signage that highlights green building features
  - Food service area signage and/or brochures that include information about sustainable food systems
  - Signage on the grounds about sustainable groundskeeping strategies employed
  - A sustainability walking map or tour
  - A guide for commuters about how to use alternative methods of transportation
  - A guide for green living and incorporating sustainability into the residential experience
  - Regular coverage of sustainability in the main student newspaper, either through a regular column or a reporter assigned to the sustainability beat
  - Other
- 

"---" indicates that no data was submitted for this field

**Does the institution have a central sustainability website that consolidates information about the institution's sustainability efforts? :**

Yes

**A brief description of the central sustainability website that consolidates information about the institution's sustainability efforts :**

UC San Diego's Sustain 2.0's website offers a place for students, faculty, staff, and partners of the university to connect with each other, explore UC San Diego's countless sustainability initiatives, and find ways to get involved. Sustain 2.0's website highlights initiatives in the following fields: clean energy, climate, education, fuel alternatives, green building, smart grid, transportation alternatives, waste diversion, and water.

**The website URL for the central sustainability website that consolidates information about the institution's sustainability efforts :**

**Does the institution have a sustainability newsletter? :**

Yes

**A brief description of the sustainability newsletter :**

UC San Diego's Sustainability Program Office and the Sustainable Solutions Institute (SSI) publish newsletters highlighting sustainability efforts at UC San Diego.

These newsletters focus on campus sustainability efforts. The SustainUCSD newsletter features a Sustainable SuperStar interview with a campus sustainability champion. Achievements, events and resources are also highlighted.

The SSI quarterly sustainability newsletter focuses on Integrated Water Resource Management, the Built Environment, and Greenovation.

**The website URL for the sustainability newsletter :**

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**Does the institution have a vehicle to publish and disseminate student research on sustainability? :**

Yes

**A brief description of the vehicle to publish and disseminate student research on sustainability :**

One of the outstanding features of the Environmental Systems Major Program (ESYS) is the three quarter upper-division Senior Internship/Project sequence to be taken senior year. The Environmental Systems program places a significant value on interdisciplinary problem solving and all majors are expected to complete an integrative Senior Project in their final year. These students present their conclusions and research to the UCSD community through an annual event. The Senior Project is designed by the student to focus on an interdisciplinary environmental problem or research topic. Appropriate topics for the Senior Project could conceivably include biodiversity conservation, coastal zone management, environmental health, climate change, environmental justice, and/or urban air quality. An important component of the Senior Project is an off-campus or laboratory internship where students might work on, for example, the development of a comprehensive management plan for a threatened ecosystem. The Senior Seminar provides a venue for the presentation and group evaluation of the ESYS Senior Projects.

**The website URL for the vehicle to publish and disseminate student research on sustainability :**

[http://esys.ucsd.edu/overview/about\\_esys.html](http://esys.ucsd.edu/overview/about_esys.html)

**Does the institution have building signage that highlights green building features? :**

Yes

**A brief description of building signage that highlights green building features :**

The Sustainability Resource Center contains placards that describe all of the green building materials and features. These materials and features include an innovative energy-saving DC to DC lighting system, countertops made from recycled paper and glass, and eco-friendly paint. Sustainable flooring types include flooring reclaimed from a demolished building, rapidly renewable, formaldehyde-free bamboo and completely recyclable carpeting.

Additionally, Housing Dining & Hospitality has placards that discuss green building features at multiple LEED certified spaces.

**The website URL for building signage that highlights green building features :**

<http://sustainability.ucsd.edu/involve/src/index.html>

**Does the institution have food service area signage and/or brochures that include information about sustainable food systems? :**

Yes

**A brief description of food service area signage and/or brochures that include information about sustainable food systems :**

After a five year campaign, UC San Diego has signed the strongest University fair trade policy in the nation. By making a commitment to promote Fair Trade Certified Products, UC San Diego supports livable wages, humane working conditions and guarantees against the use of child labor. The Fair Trade Policy states that Official Fair Trade Certified label shall be displayed in the immediate and visible vicinity where products are served and/or sold, and signage shall be displayed by main entrance or cashier informing customers that the food service operation offers Fair Trade Products. To view UC San Diego's Fair Trade policy visit,

<http://adminrecords.ucsd.edu/ppm/docs/541-2.pdf>

**The website URL for food service area signage and/or brochures that include information about sustainable food systems :**

<http://hds.ucsd.edu/fairtrade/>

**Does the institution have signage on the grounds about sustainable grounds-keeping strategies employed? :**

Yes

**A brief description of signage on the grounds about sustainable grounds-keeping strategies employed :**

30% of water used for campus landscaping is from recovered, reclaimed, or untreated sources through UC San Diego's purple pipe system. With each new construction, landscape piping for reclaimed water is installed and water-wise plants are used for landscaping. UC San Diego has retrofitted nearly 7,900 standard sprinklers with high efficiency rotating nozzles saving nearly 10.3M gals and \$82,000/year. New controllers save an additional 55Mgals/yr. Signs on campus highlight UC San Diego's reclaimed water system as well as areas where natural vegetation has been planted to reduce water use.

Additionally UC San Diego is connecting its irrigation systems to the campus-wide weather monitoring system for improved irrigation control based on campus microclimate data. Data is provided by the UC San Diego Decision Making using Real-time Observations for Environmental Sustainability (DEMROES) system, which measures water lost from evapotranspiration and determines whether watering is necessary. Evapotranspiration rates vary with the weather, peaking on sunny, dry, windy summer days.

**The website URL for signage on the grounds about sustainable grounds-keeping strategies employed :**

<http://ucsd.edu/conservewater/above-and-beyond/index.html>

**Does the institution have a sustainability walking map or tour? :**

Yes

**A brief description of the sustainability walking map or tour :**

UC San Diego offers sustainability tours. The content of the tour is tailored for the audience, but most cover the following:

1. Housing-Dining-Hospitality
2. Water-Wise Landscaping
3. Sustainable Health Practices
4. University Printing Practices
5. Green Education
6. Alternative and Efficient Energy Usage
7. Green Buildings, Operations and Maintenance
8. UC San Diego Libraries
9. UC San Diego's Sustainability Resource Center
10. UC San Diego's The Zone
11. Recycling
12. Scripps Oceanography
13. Campus Transportation Alternatives and Commute Solutions

Sustainability walking tours were part of UC San Diego's Green Open House celebration. To learn more about this tour, visit:

<http://50th.ucsd.edu/goh/walking-tour.php>

**The website URL of the sustainability walking map or tour :**

<http://50th.ucsd.edu/goh/walking-tour.php>

**Does the institution have a guide for commuters about how to use alternative methods of transportation? :**

Yes

**A brief description of the guide for commuters about how to use alternative methods of transportation :**

UC San Diego's Transportation Services Commute Solutions office coordinates all rideshare programs available for UC San Diego faculty, staff and students. Additionally, UC San Diego's Sustain 2.0's website provides a section detailing transportation alternatives at UC San Diego. It provides resources for bikers, zip car users, shuttle and bus commuters, and carpoolers and vanpoolers. It also highlights UC San Diego's Greenline shuttles.

**The website URL for the guide for commuters about how to use alternative methods of transportation :**

<http://sustainability.ucsd.edu/initiatives/transportation-alternatives.html>

**Does the institution have a guide for green living and incorporating sustainability into the residential experience? :**

Yes

**A brief description of the guide for green living and incorporating sustainability into the residential experience :**

UC San Diego's Housing\*Dining\*Hospitality provides a guide for students living on campus on the Major Planet website. It includes definitions for sustainability and zero waste, practical advice for making sustainable lifestyle changes, and helpful links for further information.

**The website URL for the guide for green living and incorporating sustainability into the residential experience :**

<http://hds.ucsd.edu/majorplanet/ucando.asp>

**Does the institution have regular coverage of sustainability in the main student newspaper (either through a regular column or a reporter assigned to the sustainability beat)? :**

No

**A brief description of regular coverage of sustainability in the main student newspaper, either through a regular column or a reporter assigned to the sustainability beat :**

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**The website URL for regular coverage of sustainability in the main student newspaper, either through a regular column or a reporter assigned to the sustainability beat :**

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**Does the institution produce another sustainability publication or outreach material not covered above? (1st material) :**

Yes

**A brief description of this material :**

The Sustainability 2.0 pamphlet gives general information for the public about UCSD's commitments and initiatives to sustainability as a part of UC San Diego's goal to become a carbon-neutral campus. The pamphlet features individual sheets that highlight campus sustainability efforts including on campus recycling, transportation, interdisciplinary research, water, pollution prevention and renewable energy resources. The brochure was designed to be a "flex brochure" so that updates would not require printing of the entire brochure, but instead of just the individual topic sheets.

**The website URL for this material :**

<http://sustainability.ucsd.edu/>

**Does the institution produce another sustainability publication or outreach material not covered above? (2nd material) :**

Yes

**A brief description of this material :**

UC San Diego is proud to promote paperless communications for sustainability through our SustainUCSD Facebook and Twitter pages where we reach tens of thousands of individuals. With the help of student volunteers, our social media network is one of the most followed University sustainability programs!

**The website URL for this material :**

<http://greencampus.ucsd.edu/>

**Does the institution produce another sustainability publication or outreach material not covered above? (3rd material) :**

Yes

**A brief description of this material :**

Table Talks: UC San Diego's EcoNauts spent 3 months in 7 different dining halls at all different prime hours talking one on one to students about recycling, composting, and trash.

Rush EKO: EcoNauts planned a week's worth of educational activities targeting students who live on campus. Students were invited to "join" EKO in the style of a fraternity rush event.

**The website URL for this material :**

<http://ucsdlivingoncampus.blogspot.com/2010/02/rush-eko.html>

**Does the institution produce another sustainability publication or outreach material not covered above? (4th material) :**

Yes

**A brief description of this material :**

Additionally, UC San Diego's Green Campus students send out a monthly newsletter regarding energy audits, current projects, updates on past project follow ups, and other green initiatives related to UC San Diego. To learn more or to view a newsletter, visit

<http://greencampus.ucsd.edu/news.html>

**The website URL for this material :**

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**Does the institution produce another sustainability publication or outreach material not covered above? (5th material) :**

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**A brief description of this material :**

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**The website URL for this material :**

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**Does the institution produce another sustainability publication or outreach material not covered above? (6th material) :**

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**A brief description of this material :**

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**The website URL for this material :**

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**Does the institution produce another sustainability publication or outreach material not covered above? (7th material) :**

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**A brief description of this material :**

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**The website URL for this material :**

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**Does the institution produce another sustainability publication or outreach material not covered above? (8th material) :**

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**A brief description of this material :**

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**The website URL for this material :**

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## Responsible Party

**Kristin Hansen**  
Sustainability Analyst  
Auxiliary & Plant Services

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"---" indicates that no data was submitted for this field

### Does the institution have an active student group focused on sustainability? :

Yes

### The name and a brief description of each student group :

UC San Diego's Student Sustainability Collective (SSC) functions as a student-managed subset of the Sustainability Resource Center (SRC). The SRC consists of three general spaces: the SSC, sustainability staff offices, and public outreach space. The Collective provides a space for the community to engage the university in proactive change for sustainability through programming, events, outreach, resources, support, and community. The Student Sustainability Collective at the Sustainability Resource Center was founded on the principles of community, service, collaboration, and empowerment under the belief that engaging and providing resources to the campus community on issues of sustainability will lead to a more sustainable future. Accordingly, the Student Sustainability Collective stresses a high importance in service to students, staff, and faculty. Recognizing the value of social justice and peace, environmentalism, and responsible business policies in view of the challenges posed by inequality, climate change, and other issues, the Student Sustainability Collective is committed to the triple bottom line of sustainability as a foundational principle in daily operations, interactions, decisions, and purchasing practices. In this light, the Student Sustainability Collective is an important part of the Sustainability Resource Center as it seeks to be positive influence in university life and the surrounding community.

### List up to 4 notable recent activities or accomplishments of student group(s) :

The SRC has established seven new hydration stations around campus. These stations are open 24/7 to students to deliver superb drinking water, minus plastic water bottles. Through this zero-waste refill station, for the cleanest and most energy-efficient water on campus is provided with improved sustainability and immediate cost savings.

Emphasis has also been placed by the SRC to eliminate the sale of water bottles throughout all campus dining halls. The campus is now currently in the process of the phasing out of the sale of water bottles, so students are more encouraged to use re-useable bottles and the hydration stations on campus.

Besides, the phasing out the provision of water bottles in campus dining halls, the SRC has also pushed the elimination of the use of water bottles in new student orientations. By giving out re-usable water bottles instead, new students are encouraged to come to UC San Diego with a sustainable mindset.

Finally, the SRC has teamed up with UCSD's Associated Students to create the "Fracking Resolution." This resolution states that the university will not associate with companies that extract natural gas through means of fracking, therefore encouraging companies to mind the negative environmental effects that fracking causes.

### List other student groups that address sustainability :

Green Campus, Engineers for a Sustainable World, USGBC Students, EcoNauts, Aquaholics

**The website URL where information about student group(s) is available :**

<http://studentsustainability.ucsd.edu/>

## Responsible Party

**Kristin Hansen**  
Sustainability Analyst  
Auxiliary & Plant Services

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*"---" indicates that no data was submitted for this field*

### **Does the institution have an on-campus garden where students are able to gain organic farming and/or gardening experience? :**

Yes

### **A brief description of the garden :**

The Urban Farm Initiative is a product of The Sustainable Food Project at UC San Diego. The vision of the Sustainable Food Project is to establish a vibrant experiential learning center such as The Pepper Canyon Farm on the UC San Diego campus that encourages participation in and educates the university's community about sustainable living through the cultivation of sustainably-grown food. On 8,800 sq. feet in Pepper Canyon, The Urban Farm Initiative grows a variety of organic seasonal crops allowing the UC San Diego community to learn how to grow rich organic food in urban and suburban landscapes.

Additionally, UC San Diego Ellie's Garden just had their final event before summer in which they teamed up with I-House, SCERC, Garden of Eden, and Slow Food to create a Harvest Day Picnic using their own grown vegetables and fruits.

### **The website URL where information about the garden is available :**

<http://SustainabilityResourceCenter.ucsd.edu/ssc-catagories/food/>

# Model Room in a Residence Hall

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## Responsible Party

**Krista Mays**  
Sustainability Manager  
Housing

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*"---" indicates that no data was submitted for this field*

**Does the institution have an occupied, formally designated model room in a residence hall that is open to students during regular hours and demonstrates sustainable living principles? :**

Yes

**A brief description of the model room :**

UC San Diego's newest on-campus housing complex for transfer students, The Village, offers a model apartment for tours. The Village meets LEED Silver standards. The 15-story apartment tower has exterior sunshades, includes sustainable materials and has native landscaping that requires little irrigation water. There are long-term savings from the latest energy- and water-conservation technologies and individual units are illuminated during the day primarily with natural light. Each apartment has its own electrical meter to discourage discretionary energy consumption. The apartments are heated with a high-efficiency heating system and residents cool their units on warm days by simply opening windows: there is no air conditioning.

**The website URL where information about the model room in the residence hall is available :**

<http://hdh.ucsd.edu/thevillage/faq.asp>

# Themed Housing

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## Responsible Party

**Kristin Hansen**  
Sustainability Analyst  
Auxiliary & Plant Services

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"---" indicates that no data was submitted for this field

**Does the institution have sustainability-themed housing (residential floor or hall, or theme house) where residents learn about sustainability together and to which residents must apply? :**

Yes

**A brief description of the themed housing, including name(s) and descriptions of theme(s) :**

UC San Diego offers students the chance to live in International House (I-House), a wonderfully vibrant on-campus community dedicated to the promotion of international awareness and intercultural understanding at UC San Diego and around the world. Roughly 260 people from over 30 countries choose to make I-House their home each year. I-House sponsors many programs, including I-Cares. I-Cares is the volunteer service club within the I-House community. Previous I-Cares projects have included on-campus projects, projects based in the San Diego community, and some projects based in Mexico. Past events include Green Week (environmental sustainability), trips to an orphanage in Mexico, and tutoring local high school students.

**The website URL where information about the themed housing is available :**

<http://ihouse.ucsd.edu/>

**The total number of residents in themed housing. :**

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## Responsible Party

**Kristin Hansen**  
Sustainability Analyst  
Auxiliary & Plant Services

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"---" indicates that no data was submitted for this field

### **Does the institution have a student-run enterprise, such as a cafe, through which students gain sustainable business skills? :**

Yes

### **A brief description of the enterprise :**

UC San Diego is home to various co-operative organizations. The UC San Diego Co-ops are not-for-profit organizations that provide students, faculty, and staff with the highest quality merchandise and services at the lowest prices possible. For many, the Co-ops are a place to buy low-priced healthy food and textbooks and provide offbeat alternatives to the items and the atmosphere offered by mainstream merchant at UC San Diego. At US San Diego, there is The Che Cafe, The Food Co-op, The General Store Co-op, and Groundworks Books. Fundamentally, all of the Co-ops are an educational experiment in non-hierarchical organization. All members of the UC San Diego community are invited to participate in this experiment. Membership in a Co-op provides students with a chance to experience a non-hierarchical work environment and collective decision-making. By being a member, students receive discounts at all Co-ops, an equal voice in making decisions in the evolution of their Co-op, and a role in defining the atmosphere of the Co-op. Membership in the co-ops is open to anyone who wishes to continually volunteer about two hours a week at any Co-op.

### **The website URL where information about the sustainable enterprise is available :**

<http://groundwork.ucsd.edu/coops.html>

# Sustainability Events

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## Responsible Party

**Kristin Hansen**

Sustainability Analyst  
Auxiliary & Plant Services

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"---" indicates that no data was submitted for this field

### **Does the institution hold major events related to sustainability, such as conferences, speaker series, or symposia, that have students as the intended audience? :**

Yes

### **A brief description of the event(s) :**

On the Sustainability Solutions Institutes website, there is a section detailing all short-term sustainability events on campus at UC San Diego. Of these events, the quarterly Greenovation 2.0 Series builds upon the popular Greenovation Forum, a public outreach program to showcase UC San Diego sustainability research and technologies, in conjunction with experts from private industry, government and the non-profit community and includes two new components: 1) Rady Cleantech to Market (C2M) certificate educational program and 2) a Sustainability Solutions track in the UCSD Entrepreneurial Challenge.

The goal of Greenovation 2.0 is to build awareness and foster connections that will enhance the impact of UC San Diego on the growth of the clean tech sustainability sector in our region and beyond. Over time, SSI aspires to build partnerships with other organizations to support sustainability innovation and the commercialization process. This involves identifying the opportunity/need, funding and conducting research, developing and demonstrating the practical application of the research, and creating a viable business opportunity. Through the Greenovation process, SSI hopes to give students, faculty, and researchers the tools, connections, and opportunities to put their creativity to work and realize the societal benefits that a great research university can offer.

Net Impact at UC San Diego also has a portion of their website dedicated to sustainability projects and events ranging from UC San Diego's sustainability walk to Rady School of Management's solar PV project. Lastly, Green Campus also provides a calendar and newsletter section on their website detailing upcoming sustainability events and ways to get involved ranging from news about campus energy assessments to news about green majors, courses, and internships on campus. Further, in February 2010, UC San Diego sponsored a Greenovation Form. According to their website Greenovation Forum: Nature and Sustainability, presented research and commercial activities based on nature's lessons. Ranging from pharmaceuticals derived from marine organisms to nature-inspired energy saving technology for storing biological samples without freezers, speakers from Scripps Institution of Oceanography, the San Diego Zoological Society, and Biomatrix will describe their research, their commercial impact, and the innovative partnerships between San Diego's non-profit organizations and industry that are helping create a more sustainable future and support our region as a world leader in clean tech innovation.

The Birch Aquarium at the Scripps Institution of Oceanography houses an exhibit exploring global warming entitled "Feeling The Heat." According to their website, Feeling The Heat is an award-winning exhibit presenting the science of global climate change, backed by a half century of groundbreaking research from Scripps Institution of Oceanography.

<http://esi.ucsd.edu/>

<http://radynetimpact.org/>

<http://greencampus.ucsd.edu/>

<http://ssi.ucsd.edu/greenovation/>

<http://www.aquaholicsucsd.com/>

[http://aquarium.ucsd.edu/Exhibits/Feeling\\_the\\_Heat/](http://aquarium.ucsd.edu/Exhibits/Feeling_the_Heat/)

**The website URL where information about the event(s) are available :**

[http://ssi.ucsd.edu/index.php?option=com\\_content&view=article&id=143&Itemid=2](http://ssi.ucsd.edu/index.php?option=com_content&view=article&id=143&Itemid=2)

# Outdoors Program

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## Responsible Party

**Thomas Rottler**

Director of Outdoor Recreation

Campus Recreation

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*"---" indicates that no data was submitted for this field*

**Does the institution have a wilderness or outdoors program that organizes hiking, backpacking, kayaking, or other outings for students and follows Leave No Trace principles? :**

Yes

**A brief description of the program :**

UC San Diego's Outback Adventures offers 1-8 day outdoor trips that help the campus community connect with nature and develop a sense of place. Each trip incorporates Leave No Trace ethics and explores the wild places of southern California, Baja California and the Southwest. The trips give participants the skills needed to enjoy a lifetime of environmentally responsible outdoor adventure. Incoming students can participate in a 4-8 day Wilderness Orientation adventure to start their UC San Diego experience. Some UC San Diego courses and seminars are held in the outdoors and some courses include field trips for a hands-on learning experience.

**The website URL where information about the program is available :**

<http://recreation.ucsd.edu/outb/>

# Themed Semester or Year

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## Responsible Party

**Kristin Hansen**  
Sustainability Analyst  
Auxiliary & Plant Services

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### Submission Note:

Worked with Kelly OSullivan, Director, Programs Abroad Office

"---" indicates that no data was submitted for this field

**Has the institution chosen a sustainability-related theme for its themed semester, year, or first-year experience during the past three years? :**

Yes

**A brief description of the themed semester, year, or first-year experience :**

SIT Study Abroad

<http://sit.edu/>

is one organization who is an affiliated partner of UC San Diego that offers UCSD students an array of immersion programs for undergraduates focused on sustainability.

India: Sustainable Development and Social Change:

[http://www.sit.edu/studyabroad/overview\\_ind.cfm?cp=2012SFA](http://www.sit.edu/studyabroad/overview_ind.cfm?cp=2012SFA)

Australia: Sustainability and Environmental Action:

[http://www.sit.edu/studyabroad/ssa\\_asm.cfm?cp=2012SFA](http://www.sit.edu/studyabroad/ssa_asm.cfm?cp=2012SFA)

<http://muir.ucsd.edu/environment/environment.shtml>

<http://muir.ucsd.edu/40Gifts/>

<http://icenter.ucsd.edu/pao/gs/2010/Dublin/>

**The sustainability-related book that was chosen, if applicable :**

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**The website URL where information about the theme is available :**

[http://www.sit.edu/studyabroad/ssa\\_asm.cfm?cp=2012SFA](http://www.sit.edu/studyabroad/ssa_asm.cfm?cp=2012SFA)

# Curriculum

This subcategory seeks to recognize institutions that have formal education programs and courses that address sustainability. One of the primary functions of colleges and universities is to educate students. By training and educating future leaders, scholars, workers, and professionals, higher education institutions are uniquely positioned to prepare students to understand and address sustainability challenges. Institutions that offer courses covering sustainability issues help equip their students to lead society to a sustainable future.

<b>Credit</b>
Sustainability Course Identification
Sustainability-Focused Courses
Sustainability-Related Courses
Sustainability Courses by Department
Sustainability Learning Outcomes
Undergraduate Program in Sustainability
Graduate Program in Sustainability
Sustainability Immersive Experience
Sustainability Literacy Assessment
Incentives for Developing Sustainability Courses

# Sustainability Course Identification

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## Responsible Party

**Dave Weil**

Director of Building Commissioning and Sustainability  
Facilities Management

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## Criteria

### Part 1

Institution has developed a definition of sustainability in the curriculum. The definition was developed by a committee comprised of at least three faculty members who teach courses in different departments. The committee may include students, staff, and other stakeholders as well. The definition does not have to be formally adopted.

In order to report on other STARS Curriculum credits, the definition of sustainability in the curriculum should distinguish between courses that focus or concentrate on the concept of sustainability throughout the course and courses that relate to an aspect of sustainability or include sustainability as part of the course.

- Sustainability-focused courses concentrate on the concept of sustainability, including its social, economic, and environmental dimensions, or examine an issue or topic using sustainability as a lens.
- Sustainability-related courses incorporate sustainability as a distinct course component or module or concentrate on a single sustainability principle or issue.

### Part 2

Institution has identified its sustainability-focused and sustainability-related course offerings. A course is either sustainability-focused or sustainability-related; no course should be identified as both sustainability-focused and sustainability-related. Each institution is free to choose a methodology to identify sustainability courses that is most appropriate given its unique circumstances. Asking faculty or departments to self-identify sustainability courses using the definition in Part 1 or looking at the stated learning outcomes and course objectives associated with each course may provide a richer view of sustainability course offerings than simply reviewing course descriptions, but it is not required.

### Part 3

Institution makes its sustainability course inventory publicly available online. The identification can be incorporated into the course catalog or posted as a stand-alone document.

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*"---" indicates that no data was submitted for this field*

**Has the institution developed a definition of sustainability in the curriculum? :**

Yes

**A copy of the institution's definition of sustainability in the curriculum? :**

UC San Diego has adopted a definition of sustainability that is outlined in the UCSD Principles of Sustainability. According to the Principles of Sustainability listed on the Sustainability 2.0 website, UC San Diego generally defines sustainability as taking from the Earth only what it can provide indefinitely, thus leaving future generations no less than we have access to ourselves. UC San Diego acknowledges that sustainability should be a foundational value of all campus operations, including curriculum. According to the Principles of Sustainability, UC San Diego is committed to encouraging the incorporation of sustainability concepts in all academic disciplines and across all levels of education and campus operations. Although these principles stress the importance of sustainability in academics, the Advisory Committee on Sustainability is currently working to establish a formal curriculum-explicit definition of sustainability.

**Has the institution identified its sustainability-focused and sustainability-related course offerings? :**

Yes

**A brief description of the methodology the institution followed to complete the inventory :**

According to the report, the criteria for a course to be identified as an “environmental” or “sustainable” course was based on a list of undergraduate and graduate courses originally posted on the

<http://conserve.ucsd.edu>

and

<http://sustain.ucsd.edu>

websites. This list was compiled in 2005 by Mr. Chris Cohen (now at the Scripps Institution of Oceanography) and identifies courses listed in the UC San Diego General Catalog with an “environmental” or “sustainable” emphasis. Instead of developing a new definition for “sustainable or “environmental” courses, SSI used Mr. Cohen’s list as a starting point and adopted a broad construction of “environmental” and “sustainable” courses.

**Does the institution make its sustainability course inventory publicly available online? :**

Yes

**The website URL where the sustainability course inventory is posted :**

[http://aps-web.ucsd.edu/sustainability/FM/PDFs/SSI\\_Env\\_Ed\\_Report.pdf](http://aps-web.ucsd.edu/sustainability/FM/PDFs/SSI_Env_Ed_Report.pdf)

# Sustainability-Focused Courses

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## Responsible Party

**Barbara Sawrey**

Vice Chancellor Academic Affairs  
Undergraduate Education

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## Criteria

Institution offers sustainability-focused academic courses.

This credit does not include continuing education and extension courses, which are covered by *PAE Credit 21: Sustainability in Continuing Education*.

---

"---" indicates that no data was submitted for this field

## The number of sustainability-focused courses offered :

14

## The total number of courses offered :

6319

## Number of years covered by the data :

Two

## A list of sustainability-focused courses offered :

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## The website URL where the publicly available sustainability course inventory that includes a list of sustainability-focused courses is available :

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## A copy of the sustainability course inventory :

[https://stars.aashe.org/media/secure/65/2/17/386/Collection of Sustainability Cours](https://stars.aashe.org/media/secure/65/2/17/386/Collection%20of%20Sustainability%20Courses.pdf)

# Sustainability-Related Courses

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## Responsible Party

**David Woodruff**

Director of Sustainability Solutions Institute  
Sustainability Solutions Institute

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## Criteria

Institution offers sustainability-related academic courses.

This credit does not include continuing education and extension courses, which are covered by *PAE Credit 21: Sustainability in Continuing Education*.

---

"---" indicates that no data was submitted for this field

## The number of sustainability-related courses offered :

257

## The total number of courses offered :

6319

## Number of years covered by the data :

Two

## A list of sustainability-related courses offered :

The current list will be updated on the [sustain.ucsd.edu](http://sustain.ucsd.edu) website Summer 2012.

## The website URL where the sustainability course inventory that includes a list of sustainability-related courses is posted :

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## A copy of the sustainability course inventory :

[Sustainability Courses Offered 2009-10 Academic Year.pdf](#)

# Sustainability Courses by Department

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## Responsible Party

**Barbara Sawrey**

Vice Chancellor Academic Affairs  
Undergraduate Education

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## Criteria

Institution's academic departments (or equivalent) offer sustainability-related and/or sustainability- focused courses.

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### Submission Note:

Includes departments and the Division of Biological Sciences, Rady School of Management, School of International Relations and Pacific Studies, and Scripps Institution of Oceanography; and excludes minors, projects, programs, joint programs, and medical school related programs.

*"---" indicates that no data was submitted for this field*

**The number of departments that offer at least one sustainability-related or -focused course :**

19

**The total number of departments that offer courses :**

28

**A list of departments that offer sustainability courses :**

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**The website URL where the publicly available sustainability course inventory that includes a list of departments that offer sustainability courses is available :**

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**A copy of the sustainability course inventory :**

[Collection of Sustainability Courses.pdf](#)

# Sustainability Learning Outcomes

## Criteria

Institution's students graduate from programs that include sustainability as a required learning outcome or include multiple sustainability learning outcomes.

For this credit, learning outcomes at the course level count if the course is required to earn the degree. This credit includes graduate as well as undergraduate programs. For this credit, "programs" include majors, minors, concentrations, certificates, and other academic designations. Programs that include co-curricular aspects may count as long as there is an academic component of the program.

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This credit was marked as **Not Pursuing** so Reporting Fields will not be displayed.

# Undergraduate Program in Sustainability

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## Responsible Party

**Barbara Sawrey**

Vice Chancellor Academic Affairs

Undergraduate Education

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## Criteria

Institution offers at least one sustainability-focused undergraduate major, degree program, or equivalent.

The degree program does not have to include sustainability in its name to count for this credit. Environmental Studies programs, for example, count as long as the program covers the social, economic, and environmental dimensions of sustainability. A program that focuses exclusively on environmental or social issues, however, would not be sufficient to earn this credit.

Concentrations within a major (e.g. a concentration on sustainable business within the business major) do not count for this credit.

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*"---" indicates that no data was submitted for this field*

## Does the institution offer an undergraduate degree program that meets the criteria for this credit? :

Yes

## The name of the sustainability-focused, undergraduate degree program (1st program) :

Environmental Systems - Environmental Policy

## The website URL for the program (1st program) :

<http://esys.ucsd.edu/>

## The name of the sustainability-focused, undergraduate degree program (2nd program) :

Environmental Engineering Program

## The website URL for the program (2nd program) :

[http://www.jacobsschool.ucsd.edu/undergrad/undergrad\\_academic/academic\\_majors/EnvironEBS.shtml](http://www.jacobsschool.ucsd.edu/undergrad/undergrad_academic/academic_majors/EnvironEBS.shtml)

## The name of the sustainability-focused, undergraduate degree program (3rd program) :

Environmental Systems- Ecology, Behavior, and Evolution

## The website URL for the program (3rd program) :

<http://physicalsciences.ucsd.edu/programs/esys/esys-major.html>

## The name and website URLs of all other sustainability-focused, undergraduate degree program(s) :

[STARS Reporting Tool](#) | [AASHE](#) | [Sierra Magazine](#)

Ecology, Behavior & Evolution

<http://biology.ucsd.edu/undergrad/majors/EBE.html>

Scripps Institution of Oceanography at UC San Diego Undergraduate Programs

Minor

- Earth Science

<http://sioundergrad.ucsd.edu/>

# Graduate Program in Sustainability

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## Responsible Party

**Barbara Sawrey**

Vice Chancellor Academic Affairs

Undergraduate Education

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## Criteria

Institution offers at least one sustainability-focused degree program or equivalent for graduate students.

The degree program does not have to include sustainability in its name to count for this credit. Environmental Studies programs, for example, count for this credit as long as the program covers the social, economic, and environmental dimensions of sustainability. A program that focuses exclusively on environmental or social issues, however, would not be sufficient to earn this credit.

Concentrations within a degree program (e.g. a concentration on sustainable business within an MBA program) do not count for this credit.

---

*"---" indicates that no data was submitted for this field*

## Does the institution offer a graduate degree program that meets the criteria for this credit? :

Yes

## The name of the sustainability-focused, graduate-level degree program (1st program) :

Marine Biodiversity and Conservation

## The website URL for the program (1st program) :

<http://cmbc.ucsd.edu/>

## The name of the sustainability-focused, graduate-level degree program (2nd program) :

MAS Scripps Institution of Oceanography

## The website URL for the program (2nd program) :

<http://scrippseducation.ucsd.edu/>

## The name of the sustainability-focused, graduate-level degree program (3rd program) :

PhD. Scripps Institution of Oceanography

## The website URL for the program (3rd program) :

<http://scrippseducation.ucsd.edu/>

**The name and website URLs of all other sustainability-focused, graduate-level degree program(s) :**

Earth Sciences, BS/MS Scripps Institution of Oceanography; Ocean Sciences, Marine Biology, PhD, Scripps Institution of Oceanography; Rady School of Business, also IR/PS has numerous sustainability graduate degrees.

Graduate degrees at Scripps:

<http://scrippseducation.ucsd.edu>;

Masters in Advanced Studies and IGERT at Scripps:

<http://cmbc.ucsd.edu/>

# Sustainability Immersive Experience

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## Responsible Party

**Kristin Hansen**  
Sustainability Analyst  
Auxiliary & Plant Services

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## Criteria

Institution offers at least one immersive, sustainability-focused educational study program. The program(s) may take place off-campus, overseas, or on-campus.

For this credit, the program meets one or both of the following criteria:

- it concentrates on sustainability, including its social, economic, and environmental dimensions or
- it examines an issue or topic using sustainability as a lens.

Immersive programs offered in partnership with outside entities may count for this credit. Programs offered exclusively by outside entities do not count for this credit.

---

"---" indicates that no data was submitted for this field

## Does the institution offer a program that meets the criteria for this credit? :

Yes

## A brief description of the sustainability-focused immersive experience(s) offered by the institution :

UC San Diego offers a global seminar in Dublin, Ireland entitled Sustainability and Organic Food: Intensive Writing Courses (Muir 40 & 50).

The following is a description from the course syllabus:

As the global population continues to expand, so does the need for nutritionally sound, economically feasible food products. Large-scale intensive farming, whether of crops or herds, currently relies on technological innovations in seed, genetically modified organisms (GMOs), pesticides, antibiotics and other human-engineered resources. More recently, a movement toward sustainable farming blossomed in Ireland. Oftentimes, advocates of each of these two methods are strongly debated in the public, political, and economic global arenas. In this seminar, we will examine such debates over sustainable agriculture and intensive farming in the heart of the organic farming movement in Ireland. Farmers and activists, and politicians, especially in Ireland, have been at the forefront of the no GMO, organic farming movement. As such, the country offers opportunities for us to examine first-hand the economic, legal, and political contests over organic farming – who supports it, who challenges it, and who stands to profit or lose from its adoption. In keeping with the goals and requirements of MCWP 50, you will be asked to examine and analyze published arguments about this topic in an effort to understand their content and structure. You will also be asked to develop your own argument based on research, which will examine an issue relevant to the course.

**The website URL where information about the immersive experience is available :**

<http://icenter.ucsd.edu/pao/gs/2010/Dublin/index.html>

# Sustainability Literacy Assessment

## Criteria

### *Part 1*

Institution conducts an assessment of the sustainability literacy of its students. The sustainability literacy assessment focuses on knowledge of sustainability topics, not values or beliefs.

### *Part 2*

Institution conducts a follow-up assessment of the same cohort group using the same instrument.

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This credit was marked as **Not Pursuing** so Reporting Fields will not be displayed.

# Incentives for Developing Sustainability Courses

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## Responsible Party

**Kristin Hansen**  
Sustainability Analyst  
Auxiliary & Plant Services

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## Criteria

Institution has an ongoing program or programs that offer incentives for faculty in multiple disciplines or departments to develop new sustainability courses and/or incorporate sustainability into existing courses or departments. The program aims to increase student learning of sustainability.

Incentives may include release time, funding for professional development, and trainings offered by the institution.

Incentives for expanding sustainability offerings in academic, non-credit, and/or continuing education courses count for this credit.

---

*"---" indicates that no data was submitted for this field*

## Does the institution have a program that meets the criteria outlined above? :

Yes

## A brief description of the program(s) :

Sustainability Across the Curriculum is workshop open to any UC San Diego faculty, is designed for faculty who want to incorporate ideas about the environment and sustainability into existing curricula across a wide range of disciplines (this was offered in 07-08 and 08-09). The Greenovation Forum series is an innovative set of monthly forums bringing together experts from various sectors to discuss 'Knowledge, Action and Sustainability'.

## A brief description of the incentives that faculty members who participate in the program(s) receive :

A modest research stipend (\$1000) was provided to faculty participants in the sustainability across the curriculum workshop. There is no incentive for attending the Greenovation Forum – except for the delicious, organic, local-food reception before the events.

## The website URL where information about the program is available :

<http://ssi.ucsd.edu/greenovation/>

# Research

This subcategory seeks to recognize institutions that are conducting research related to or focused on sustainability. Conducting research is a major function of many colleges and universities. By researching sustainability issues and refining theories and concepts, higher education institutions can continue to help the world understand sustainability challenges and develop new technologies, strategies, and approaches to address those challenges.

<b>Credit</b>
Sustainability Research Identification
Faculty Engaged in Sustainability Research
Departments Engaged in Sustainability Research
Sustainability Research Incentives
Interdisciplinary Research in Tenure and Promotion

# Sustainability Research Identification

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## Responsible Party

**David Woodruff**

Director of Sustainability Solutions Institute  
Sustainability Solutions Institute

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## Criteria

### Part 1

Institution has developed a definition of sustainability research. The definition was developed by a committee comprised of at least three faculty members from different departments who conduct research. The committee may include students, staff, and other stakeholders as well. The definition does not have to be formally adopted.

### Part 2

Institution has identified its sustainability research activities and initiatives. This research inventory should include all research centers, laboratories, departments, and faculty members whose research focuses on or is related to sustainability.

### Part 3

Institution makes its sustainability research inventory publicly available online.

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*"---" indicates that no data was submitted for this field*

## Has the institution developed a definition of sustainability research? :

Yes

## A copy of the institution's definition of sustainability research :

UC San Diego has adopted a definition of sustainability that is outlined in the UC San Diego Principles of Sustainability. According to the Principles of Sustainability listed on the Sustainability 2.0 website, UC San Diego generally defines sustainability as taking from the Earth only what it can provide indefinitely, thus leaving future generations no less than we have access to ourselves. UC San Diego acknowledges that sustainability should be a foundational value of all campus operations, including curriculum. According to the Principles of Sustainability, UC San Diego is committed to encouraging the incorporation of sustainability concepts in all academic disciplines and across all levels of education and campus operations. Although these principles stress the importance of sustainability in academics, the Advisory Committee on Sustainability is currently working to establish a formal curriculum-explicit definition of sustainability.

## Has the institution identified its sustainability research activities and initiatives? :

No

## A brief description of the methodology the institution followed to complete the inventory :

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**Does the institution make its sustainability research inventory publicly available online? :**

No

**The website URL where the sustainability research inventory is posted (required if claiming Part 3 of the credit) :**

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# Faculty Engaged in Sustainability Research

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## Responsible Party

**David Woodruff**

Director of Sustainability Solutions Institute  
Sustainability Solutions Institute

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## Criteria

Institution's faculty members conduct research on sustainability topics.

Any level of sustainability research by a faculty member is sufficient to be included for this credit. In other words, a faculty member who conducts both sustainability research and other research may be included.

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### Submission Note:

Because UC San Diego does not officially track faculty members engaged in sustainability research, this conservative estimate is based on the number of instructional faculty involved in sustainability research and the total number of instructional faculty.

"---" indicates that no data was submitted for this field

### The number of faculty members engaged in sustainability research :

434

### The total number of faculty members engaged in research :

1190

### Names and department affiliations of faculty engaged in sustainability research :

Scripps Institute of Oceanography:

<http://sio.ucsd.edu/Research/People/Faculty/>

Environmental Systems:

<http://esys.ucsd.edu/faculty/faculty.htm>

Urban Studies and Planning:

<http://usp.ucsd.edu/faculty/faclist.html>

Ethnic Studies:

<http://www.ethnicstudies.ucsd.edu/faculty.shtml#temp>

Ecology, Behavior, and Evolution:

<http://biology.ucsd.edu/bioresearch/fac-sections.html#ebe>

**The website URL where the sustainability research inventory that includes the names and department affiliations of faculty engaged in sustainability research is posted :**

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**A copy of the sustainability research inventory that includes the names and department affiliations of faculty engaged in sustainability research :**

[Collection of Sustainability Courses.pdf](#)

**Brief descriptions of up to 4 recent notable accomplishments by faculty engaged in sustainability research, including names and department affiliations :**

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**The website URL where information about sustainability research is available :**

<http://sustainability.ucsd.edu/initiatives/education.html>

# Departments Engaged in Sustainability Research

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## Responsible Party

**Barbara Sawrey**

Vice Chancellor Academic Affairs

Undergraduate Education

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## Criteria

Institution's academic departments include faculty members who conduct sustainability research.

Any level of sustainability research by a faculty member in a department is sufficient for this credit.

---

*"---" indicates that no data was submitted for this field*

### **The total number of academic departments that conduct research :**

112

### **The number of academic departments in which at least one faculty member engages in sustainability research :**

28

### **A list of academic departments in which at least one faculty member engages in sustainability research :**

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### **The website URL where the sustainability research inventory that includes the departments engaged in sustainability research is posted :**

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### **A copy of the sustainability research inventory that includes the departments engaged in sustainability research :**

[Collection of Sustainability Courses-1.pdf](#)

# Sustainability Research Incentives

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## Responsible Party

**David Woodruff**

Director of Sustainability Solutions Institute  
Sustainability Solutions Institute

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## Criteria

### Part 1

Institution has an ongoing program to encourage students in multiple disciplines or academic programs to conduct research in sustainability. The program provides students with incentives to research sustainability. Such incentives may include, but are not limited to, fellowships, financial support, and mentorships.

### Part 2

Institution has an ongoing program to encourage faculty from multiple disciplines or academic programs to conduct research in sustainability topics. The program provides faculty with incentives to research sustainability. Such incentives may include, but are not limited to, fellowships, financial support, and faculty development workshops.

---

*"---" indicates that no data was submitted for this field*

## Does the institution have a program to encourage student sustainability research that meets the criteria for this credit? :

Yes

## A brief description of the institution's program(s) to encourage student research in sustainability :

UC San Diego's Environmental Systems Program and the Urban Studies and Planning program both require all students to complete a senior internship/research project that can be focused on sustainability. The Marine Sciences minor has a "research track" which encourages research in environmental/earth/marine sciences. Other majors (Earth Sciences and Ecology, Behavior, and Evolution) encourage independent undergraduate research in sustainability topics through formal units (199s) and summer projects. The Sustainability Solutions Institute offers opportunities for students to be involved in sustainability research on campus. Additionally, UC San Diego's Muir College sponsors the interdisciplinary environmental studies minor. It also sponsors a Freshman Seminar, ENVR87-The Greening of Muir College, in which first-year students get hands-on experience doing research projects in areas of sustainability relating to Muir College. Themes of past seminars have included: water use, energy use, and waste disposal.

## The website URL where information about the student research program is available :

<http://sustain.ucsd.edu/>

## Does the institution have a program to encourage faculty sustainability research that meets the criteria for this credit? :

Yes

**A brief description of the institution's program(s) to encourage faculty research in sustainability :**

The Sustainability Solutions Institute (SSI): SSI's mission is to encourage interdisciplinary research to generate solutions to the pressing environmental problems of today. Sustainability 2.0 is the summary of the overall campus effort to combine this research and operations.

**The website URL where information about the faculty research program is available :**

<http://ssi.ucsd.edu/>

# Interdisciplinary Research in Tenure and Promotion

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## Responsible Party

**David Woodruff**

Director of Sustainability Solutions Institute  
Sustainability Solutions Institute

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## Criteria

Institution gives positive recognition to interdisciplinary, transdisciplinary, and multidisciplinary research during faculty promotion and tenure decisions.

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*"---" indicates that no data was submitted for this field*

## Does the institution's treatment of interdisciplinary research meet the criteria for this credit? :

Yes

## A brief description or a copy of the institution's policy regarding interdisciplinary research :

Organized Research Units (ORU's) exist at UC San Diego to promote multidisciplinary Research and are intended to provide a supportive infrastructure for interdisciplinary research complementary to the academic goals of departments of instruction and research. Prior to their establishment, ORU's must go through a structured review process that includes a supporting recommendation from the Academic Senate. Each ORU is headed by a tenured faculty director and receives financial support and space from the campus to enable it to function. Professional researchers and technical staff can hold their appointments with the ORU, which then serves as their home academic unit. Other units on campus, of a less formal character, may designate themselves as a center or a project, but they are not ORU's unless they have been officially approved as such.

## The website URL where information about the treatment of interdisciplinary research is available :

<http://research.ucsd.edu/orus/index.html>

# Operations

## Buildings

This subcategory seeks to recognize institutions that are taking steps to improve the sustainability performance of their buildings. Buildings are generally the largest user of energy and the largest source of greenhouse gas emissions on campuses. Buildings also use significant amounts of potable water. Institutions can design, build, and maintain buildings in ways that provide a safe and healthy indoor environment for inhabitants while simultaneously mitigating the building's impact on the outdoor environment.

<b>Credit</b>
Building Operations and Maintenance
Building Design and Construction
Indoor Air Quality

# Building Operations and Maintenance

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## Responsible Party

**Michelle Perez**

Sustainability Analyst

Facilities Management

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## Criteria

Institution owns and operates buildings that are:

1) Certified under the LEED® for Existing Buildings: Operations & Maintenance (O&M) Green Building Rating System,

and/or

2) Operated and maintained in accordance with sustainable operations and maintenance guidelines and policies that cover the following:

- Impacts on the surrounding site
  - Energy consumption
  - Usage of environmentally preferable materials
  - Indoor environmental quality
  - Water consumption
- 

"---" indicates that no data was submitted for this field

## **Total building space that meets "Eligible Buildings Criteria" :**

17178435 *Square Feet*

## **Building space that is maintained in accordance with sustainable building operations and maintenance guidelines or policies but is NOT certified under LEED for Existing Buildings: O&M :**

17041633 *Square Feet*

## **Building space that is LEED for Existing Buildings: O&M Certified :**

0 *Square Feet*

## **Building space that is LEED for Existing Buildings: O&M Silver certified :**

54390 *Square Feet*

## **Building space that is LEED for Existing Buildings: O&M Gold certified :**

82412 *Square Feet*

## **Building space that is LEED for Existing Buildings: O&M Platinum certified :**

STARS Reporting Tool | AASHE | Sierra Magazine

0 Square Feet

**The website URL where a copy of the institution's guidelines or policies for sustainable building operations and maintenance is available :**

<http://sustainability.ucsd.edu/initiatives/green-building.html>

**An electronic copy of the guidelines or policies :**

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**The date(s) the policies or guidelines were adopted :**

June 2004

**A brief description of how the institution ensures compliance with sustainable building operation and maintenance guidelines and policies :**

Sustainable building operation and maintenance guidelines and policies are ensured through the collaboration, leadership and support of Facilities Management (FM) Staff, Building Commissioning and Sustainability (BCAS) Staff, and the HDH Sustainability Manager. Guidelines and policies are developed, vetted, and then carried out by the appropriate staff members. Campus wide goals set out by the Climate Action Plan and consistent LEED Existing Building and Operations and Maintenance projects ensure that all areas of the campus are aligned.

**The names and certification levels of all buildings that are certified under LEED for Existing Buildings: O&M :**

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**The names of all buildings operated and maintained in accordance with similar sustainable operations and maintenance guidelines and policies :**

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# Building Design and Construction

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## Responsible Party

**Michelle Perez**

Sustainability Analyst

Facilities Management

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## Criteria

Institution-owned buildings that were constructed or underwent major renovations in the past three years are:

1) Certified under the LEED® for New Construction and Major Renovations, LEED for Commercial Interiors, and/or LEED for Core and Shell Green Building Rating Systems,

and/or

2) Designed and built in accordance with green building guidelines and policies that cover the following topics:

- Impacts on the surrounding site
  - Energy consumption
  - Usage of environmentally preferable materials
  - Indoor environmental quality
  - Water consumption
- 

"---" indicates that no data was submitted for this field

## **New building space that meets "Eligible Buildings Criteria" :**

1555221 *Square Feet*

## **New building space that was designed and constructed in accordance with green building policies or guidelines but not LEED certified :**

0 *Square Feet*

## **New building space that is LEED Certified :**

20372 *Square Feet*

## **New building space that is LEED Silver certified :**

0 *Square Feet*

## **New building space that is LEED Gold certified :**

548698 *Square Feet*

**New building space that is LEED Platinum certified :**

133706 *Square Feet*

**The website URL where a copy of the institution's guidelines or policies for green building is available :**

[http://www.universityofcalifornia.edu/sustainability/documents/policy\\_sustain\\_prac.pdf](http://www.universityofcalifornia.edu/sustainability/documents/policy_sustain_prac.pdf)

**An electronic copy of the guidelines or policies :**

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**The date(s) the policies or guidelines were adopted :**

June 2004, September 2009, August 2011

**A brief description of how the institution ensures compliance with green building design and construction guidelines and policies :**

All new construction is built to LEED standards. Facilities, Design and Construction (FD&C) includes LEED consultants in all construction projects. LEED consultants work with Building Commissioning and Sustainability Staff to ensure they are aligned with Campus goals and appropriately apply campus baseline credits.

**The names of all buildings that are certified under the LEED for New Construction and Major Renovations, LEED for Commercial Interiors, and/or LEED for Core and Shell Green Building Rating Systems :**

Health Sciences Graduate Housing, Muir College Housing, North Campus Housing Phase 2, Revelle College Housing, Mesa Childhood Development Center, Sustainability Resource Center, Goody's, Stewart Commons, The Zone, Seaside Forum

**The names of all buildings designed and constructed in accordance with green building guidelines and policies but not LEED certified :**

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# Indoor Air Quality

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## Responsible Party

**Michelle Perez**

Sustainability Analyst

Facilities Management

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## Criteria

Institution has adopted an indoor air quality management policy, plan, and/or practices that include regular auditing or monitoring and a mechanism for occupants to register complaints. Policies and plans adopted by entities of which the institution is part (e.g. state government or the university system) may count for this credit as long as the policies apply to and are followed by the institution.

---

"---" indicates that no data was submitted for this field

## Occupied building space covered by an indoor air quality plan, policy, and/or practices that include regular auditing or monitoring and a mechanism for occupants to register complaints :

10350028 *Square Feet*

## Total occupied building space :

10350028 *Square Feet*

## A brief description of the institution's indoor air quality plan, policy, and/or practices :

Indoor environmental concerns include odors, air temperature and ventilation problems, floods, leaks, sewage backups, mold, and other general safety issues. The campus' policy ensures heating, ventilation and air conditioning meet ASHRAE standards for ventilation and thermal comfort, addresses design guidelines and general safety issues related to indoor air quality. It is the responsibility of all employees to inform supervisors of any IAQ issues. If necessary, Environment, Health & Safety and/or Facilities Management will resolve.

## The website URL where information about the institution's indoor air quality initiatives is available :

<http://blink.ucsd.edu/safety/environment/indoor/#Indoor-air-quality>

# Climate

This subcategory seeks to recognize institutions that are measuring and reducing their greenhouse gas emissions. Global warming is expected to have myriad negative impacts throughout the world, including increased frequency and potency of extreme weather events, sea level rise, species extinction, water shortages, declining agricultural production, and spread of diseases. The impacts are expected to be particularly pronounced for poor communities and countries.

<b>Credit</b>
Greenhouse Gas Emissions Inventory
Greenhouse Gas Emissions Reduction
Air Travel Emissions
Local Offsets Program

# Greenhouse Gas Emissions Inventory

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## Responsible Party

**Valerie Fanning**  
Compliance Officer  
Environmental Health & Safety

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## Criteria

### Part 1

Institution has conducted a GHG emissions inventory covering its Scope 1 and Scope 2 emissions. The GHG emissions inventory is publicly available, either through the American College & University Presidents' Climate Commitment reporting site, the institution's website, or another public website.

### Part 2

Institution has conducted a GHG emissions inventory covering Scope 3 emissions. The GHG emissions inventory is publicly available, either through the American College & University Presidents' Climate Commitment reporting site, the institution's website, or another public website.

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*"---" indicates that no data was submitted for this field*

### **The website URL where the GHG emissions inventory is posted :**

<https://www.climateregistry.org/CARROT/public/reports.aspx>

### **Does the inventory include all Scope 1 and 2 emissions? :**

Yes

### **Does the inventory include emissions from air travel? :**

No

### **Does the inventory include emissions from commuting? :**

No

### **Does the inventory include embodied emissions from food purchases? :**

No

### **Does the inventory include embodied emissions from other purchased products? :**

No

**Does the inventory include emissions from solid waste disposal? :**

No

**Does the inventory include another Scope 3 emissions source not covered above? :**

No

**If yes, please specify :**

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**Does the inventory include a second Scope 3 emissions source not covered above? :**

No

**If yes, please specify :**

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**Does the inventory include a third Scope 3 emissions source not covered above? :**

No

**If yes, please specify :**

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**Does the inventory include a fourth Scope 3 emissions source not covered above? :**

No

**If yes, please specify :**

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# Greenhouse Gas Emissions Reduction

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## Responsible Party

**Valerie Fanning**

Compliance Officer

Environmental Health & Safety

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## Criteria

Institution reduced its net Scope 1 and Scope 2 GHG emissions per weighted campus user compared to a 2005 baseline.

For this credit, off-site, institution-catalyzed carbon offsets (i.e. those popularly known as “local offsets”) count in full. Purchased carbon offsets that have been verified by a third party may count towards a portion of the reduction. Purchased offsets that have not been third-party verified do not count.

To conduct a GHG emissions inventory, campuses may use any methodology and/or calculator that is consistent with the Greenhouse Gas Protocol's Corporate Accounting and Reporting Standards.

The baseline GHG emissions inventory should include the same emissions sources as the performance year emissions inventory.

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## Submission Note:

UC San Diego can best ensure accuracy by reporting metrics currently tracked by Transportation Services, which meticulously documents the total number of commuters during its annual survey of pedestrian and vehicle traffic.

This survey focuses on tracking all commuter data for transportation and greenhouse gas purposes, but it does not distinguish between student, faculty, staff or campus visitors. Over a decade of data has been collected in this manner and demonstrates a significant increase in alternative transportation usage by commuters. The current number is the most precise representation of UC San Diego commuters currently available.

“---” indicates that no data was submitted for this field

## Scope 1 and 2 gross GHG emissions, 2005 :

196844.42 Metric Tons of CO2 Equivalent

## Off-site, institution-catalyzed carbon offsets generated, 2005 :

0 Metric Tons of CO2 Equivalent

## Third-party verified carbon offsets purchased, 2005 :

0 Metric Tons of CO2 Equivalent

## On-campus residents, 2005 :

8724

**Non-residential/commuter full-time students, faculty, and staff members, 2005 :**

48786

**Non-residential/commuter part-time students, faculty, and staff members, 2005 :**

0

**Scope 1 and 2 gross GHG emissions, performance year :**

189306.66 *Metric Tons of CO2 Equivalent*

**Off-site, institution-catalyzed offsets generated, performance year :**

0 *Metric Tons of CO2 Equivalent*

**Carbon offsets purchased, performance year :**

4720 *Metric Tons of CO2 Equivalent*

**List the start and end dates of the GHG emissions performance year :**

Jan 2010 to Dec 2010

**On-campus residents, performance year :**

10718

**Non-residential/commuter full-time students, faculty, and staff members, performance year :**

53420

**Non-residential/commuter part-time students, faculty, and staff members, performance year :**

0

**Time period for weighted campus user (list the consecutive 12 month period that most closely overlaps with GHG performance year) :**

2010

# Air Travel Emissions

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## Responsible Party

**Valerie Fanning**  
Compliance Officer  
Environmental Health & Safety

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*"---" indicates that no data was submitted for this field*

## Does the institution have policies and/or programs in place to reduce emissions from air travel? :

Yes

## A brief description of the policies and/or programs :

As stated in the 2008 Climate Action Plan (CAP), UC San Diego plans to reduce greenhouse gas emissions (of which air travel emissions comprises 11%) to 2000 levels by 2013, 1990 levels by 2020, and reach climate neutrality by 2025. Additionally, the CAP outlines the following specific per-capita goals for reducing air travel emissions: 11% reduction each year from 2009-2010, based on the previous year's emissions, 7% reduction each year from 2011-2020, based on the previous year's emissions, and a 5% reduction each year from 2021-2050, based on the previous year's emissions.

## The website URL where information about the policies and/or programs is available :

[http://sustainability.ucsd.edu/\\_files/UCSD\\_Climate\\_Action\\_Plan\\_12-08.pdf](http://sustainability.ucsd.edu/_files/UCSD_Climate_Action_Plan_12-08.pdf)

# Local Offsets Program

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## Responsible Party

**Valerie Fanning**

Compliance Officer

Environmental Health & Safety

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*"---" indicates that no data was submitted for this field*

### **Does the institution have a local offsets program through which the institution seeks to offset its greenhouse gas emissions by implementing projects that reduce GHG emissions in the local community? :**

No

### **A brief description of the program :**

As leaders in the community, UC San Diego has several student groups that work with greening our local community. These groups include Net Impact, Green Campus, the Student Sustainability Collective, and several others.

As a global sustainability leader, UCSD is committed to reducing its operational resource footprint. Through Dr. Charles David Keeling's cutting edge work, UCSD was a pioneer in climate change research. Continuing UCSD's legacy, the campus has made a strong commitment to reducing its operational impact on the region by implementing a robust GHG emission reduction program. Starting with leadership at the top, the campus' 'Climate Solutions Working Group,' comprised of senior leadership, researchers, operational staff, and administrators, implements a broad range of sustainability initiatives, including management of the University's comprehensive Climate Action Plan. Political and business leaders routinely attend the meetings of this group to discuss strategies for leveraging UC San Diego's environmental leadership. Additionally, UCSD's Advisory Committee on Sustainability (ACS) provides perspective to campus administration regarding academic programs, faculty planning, campus operations, and areas for improvement regarding campus sustainability and climate change programs. Specific initiatives include:

- **Cogeneration:** The campus operates a 30-megawatt natural-gas-fired combined heat and power system that provides 85% of the campus's annual electricity needs. The plant has received an Environmental Protection Agency Energy Star CHP Award for its high efficiency and low emissions: the plant's 70% operating efficiency helps the campus save reduce its environmental impact.
- **Photovoltaics:** The 1.5-megawatt PV system on campus includes a combination of conventional flat panels, sun-tracking/concentrating PV, and a PV energy storage demonstration project. The campus has just completed an 834 off-campus PV installation that includes a combination of rooftop, ground mount, and carport PV arrays. In 2012 the campus will begin installation of an additional 764 kW of onsite PV.
- **Fuel Cell:** UCSD's renewable energy 2.8-megawatt fuel cell brought on line in 2011 is the largest on any college campus, providing about 10% of UC San Diego's total energy needs. Using methane gas currently flared at the local wastewater treatment facility, the plant provides enough energy to power 2,800 homes.
- **Building retrofits:** The campus is in the midst of a \$73 million program to increase the energy efficiency of 25 of its older buildings, with a goal of lowering their combined energy consumption by at least \$6 million a year. An earlier \$60 million program is saving the university \$12 million a year in energy costs.
- **LEED building standards:** All new construction projects must achieve LEED Silver certification or better, which ensures that structures maximize energy savings, water efficiency, CO2 emissions reduction, improved indoor environmental quality, and stewardship of resources and sensitivity to their impacts. Major renovation projects must also pursue LEED certification and by UC policy the campus is pursuing LEED certification for many of its existing buildings.

- **Green Grid:** The San Diego Supercomputer Center, the largest data center on the UC San Diego campus, joined The Green Grid, a global consortium of companies dedicated to advancing energy efficiency in data centers and computing systems.
- **Central Utilities Plant:** The plant’s control room has become the hub of an evolving campus microgrid, managing the cogeneration plant, steam and chilled-water system, and photovoltaic and fuel-cell generation. The energy management system helps the campus efficiently manage its energy use, thereby helping to reduce energy consumption and emissions.
- **Energy Innovation Park:** UC San Diego has developed an “Energy Innovation Park” on the east campus to showcase several of UCSD’s innovative energy systems, including the 2.8-megawatt fuel cell, a high-efficiency, sun-tracking photovoltaic array, CNG fueling station and a chiller plant to provide cold water to the nearby facilities.
- **Energy Dashboard:** Cutting-edge technology developed at UC San Diego is helping to improve the efficiency of the campus’s energy management system while also lowering greenhouse gas emissions. The innovative system monitors and helps control energy use down to the plug/office level, while providing real-time energy use data for individual users.
- **Student initiatives:** Undergraduates have deployed a network of weather-monitoring stations to help the university use ocean breezes to cool buildings, identify the sunniest rooftops to expand its solar-electric system, and use water more efficiently in irrigation. Students are also directly involved in promoting energy efficiency through the campus’ Green Campus program, funded by the local utilities. Through this program students get hands-one experience in performing energy audits, while providing energy use data to the campus that often leads to the implementation of energy efficiency projects that provide measurable savings.

**The website URL where information about the program is available :**

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# Dining Services

This subcategory seeks to recognize institutions that are supporting a sustainable food system. Modern industrial food production often has deleterious environmental impacts. Pesticides and fertilizers used in agriculture can contaminate ground and surface water, which has potentially dangerous impacts on wildlife and human health. Furthermore, the often long-distance transportation of food to institutions produces greenhouse gas emissions and other pollution. Additionally, farm workers are often paid substandard wages, subjected to harsh working conditions, and exposed to dangerous pesticides. Institutions can use their food purchases to support their local economies; encourage safe, environmentally-friendly farming methods; and help alleviate poverty for farmers.

Please note that while dining services can also play an important role in conserving energy and water, reducing waste, and purchasing environmentally preferable materials other than food, STARS measures these impacts across the institution instead of by department; therefore, the benefits of these actions are captured in the Energy, Water, Waste, and Purchasing subcategories, respectively.

<b>Credit</b>
Food and Beverage Purchasing
Trayless Dining
Vegan Dining
Trans-Fats
Guidelines for Franchisees
Pre-Consumer Food Waste Composting
PostConsumer Food Waste Composting
Food Donation
Recycled Content Napkins
Reusable Container Discounts
Reusable To-Go Containers

# Food and Beverage Purchasing

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## Responsible Party

**Krista Mays**

Sustainability Manager

Housing

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## Criteria

This credit includes food and beverage purchases for on-campus dining services operated by the institution or the institution's primary on-site contractor. Institution purchases food and beverages that meet at least one of the following criteria:

- Grown and processed within 250 miles of the institution
- Third-party certified (USDA Certified Organic, Marine Stewardship Council Blue Ecolabel, Food Alliance, Fair Trade, Certified Humane Raised and Handled)

Food and beverage purchases that meet multiple criteria listed above should not be double-counted.

This credit includes food and beverage purchases for on-campus dining operations and catering services operated by the institution or the institution's primary dining services contractor (e.g. Aramark, Bon Appétit Management Company, Chartwells, Sodexo). On-site franchises, convenience stores, vending machines, or concessions are excluded from this credit unless they are operated by the institution or the institution's primary on-site contractor..

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*"---" indicates that no data was submitted for this field*

## Percentage of food expenditures that meet one or more of the criteria for this credit (0 - 100) :

35

## A brief description of the sustainable food and beverage purchasing program :

Dining Services is committed to supporting Fair Trade. All of our dining locations offer exclusively Fair Trade coffee, tea and sugar, and at least one Fair Trade choice of ice cream and chocolate.

Organic and local options are also provided in dining halls. Eggs, for example, are organic and free range. Fruits and vegetables are often purchased after the Wednesday Farmer's Market outside the Roots Cafe.

## The Website URL where information about the institution's sustainable food and beverage purchasing efforts is available :

<http://hdh.ucsd.edu/diningservices/>

**Responsible Party**

**Krista Mays**  
Sustainability Manager  
Housing

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This credit was marked as **Not Pursuing** so Reporting Fields will not be displayed.

## Responsible Party

**Krista Mays**  
Sustainability Manager  
Housing

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"---" indicates that no data was submitted for this field

### **Does the institution offer diverse, complete-protein vegan dining options during every meal? :**

Yes

### **A brief description of the vegan dining program :**

Roots offers exclusively vegan and vegetarian entrees, salads, sides, and smoothies. Roots is the University's first exclusively vegetarian/vegan eatery and lounge. Diners can choose from a delicious variety of hearty entrees, sides, snacks, or smoothies. And unlike many "vegetarian" establishments, Roots features a predominantly Vegan menu.

Ché Café is a student-owned and operated co-op vegan cafe that holds an all-you-can-eat every Thursday at 5 p.m. It is dedicated to providing cheap, healthy vegan and vegetarian food, all-ages entertainment, and alternative education.

The Food Co-op is a vegan and vegetarian only student-run food store that features a fresh, organic salad bar, bagels, bulk trail mix, soups, and a variety of other foods and drinks. Since its introduction to the campus in 1978, the Food Co-op has committed itself to providing the UCSD community with a natural food alternative, as well as a resource for environmentally conscious products and information. The Food Co-op carries a variety of food and non-food products ranging from baked goods, juices, sandwiches, fresh organic produce, macro-biotic and ethnic foods to cruelty-free cosmetics and environmentally safe cleaning agents. Many foods are stocked in bulk to reduce the price to the customer and the waste of packaging.

UC San Diego also works with students and campus stakeholders to identify desired menu options, locate sources locally, and advertise options to students. At every meal, 20% of main courses and up to 80% of side dishes are vegetarian or vegan. Also the students/administration Fair Trade Committee ensures Fair Trade options are available at all campus-run venues. A weekly local/organic farmers market is held where students can use their dining dollars.

### **The website URL where information about the program, policy, or practice is available :**

<http://hdh.ucsd.edu/diningservices/>

**Responsible Party**

**Krista Mays**  
Sustainability Manager  
Housing

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*"---" indicates that no data was submitted for this field*

**Does the institution use frying oil that does not include trans-fats and seek to avoid foods that include trans-fats in its dining operations? :**

Yes

**A brief description of the trans-fats avoidance program, policy, or practice :**

UC San Diego's oils used in production, including frying oil, are trans-fat free. UC San Diego seeks to avoid trans-fats in all recipes. UC San Diego orders only trans-fat free margarines or uses butter or oil when appropriate. UC San Diego also aims to make the majority of our dishes from scratch to avoid using convenience products that contain trans-fats. UC San Diego's retail Places and Markets are also full of trans-fat free packaged foods options, such as Newman's Own and other varieties.

**The website URL where information about the program, policy, or practice is available :**

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# Guidelines for Franchisees

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## Responsible Party

**Kristin Hansen**

Sustainability Analyst  
Auxiliary & Plant Services

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*"---" indicates that no data was submitted for this field*

## Has the institution adopted sustainability policies or guidelines for food service franchisees operating on campus? :

Yes

### A brief description of the guidelines for franchisees :

Developing and implementing aggressive campus sustainable food goals are critical program components for a sustainable campus. The Campus Sustainable Food Services Work Group (Campus Work Group) members collaborate to define and implement the UC San Diego Sustainable Food Services Plan (Plan). The purpose of the Plan is to ensure achievement of the University of California, Office of the President's Policy on Sustainable Practices (UCOP Policy) as it pertains to food services and to enable achievement of UC San Diego and UC San Diego Medical Centers sustainable food service operations goals.

UC San Diego and UC San Diego Medical Centers Sustainable Food Services Goals include:

-Increase sustainable, local, fair trade, and organic food purchased and served by campus foodservices providers as follows:

-25% by 2016,

-30% by 2021, and

-Re-evaluate goals and revise the definition of "local" during biennial review of this Plan,

-Assess economic, environmental, and resource availability factors associated with individual food products. Outcomes may be used to revise definitions and establish goals to maximize food sourcing within a more closely defined radius. Study topics will include:

-Contract renewals and appropriateness of requiring deadlines or specific actions by vendors, and

-Sustainability of regionally grown foods, (e.g., suitability of crops to growth region, seasonality, water intensity, etc.),

-Socially and environmentally responsible campus and food service operations and practices as defined by UCOP Policy

-Utilize research and education to facilitate engagement in the campus food program and education of the campus community,

-Continued collaboration between campus food service stakeholders,

-Biennial review and update of the campus-specific food service policies and guidelines, and

-Utilizing data obtained from the Sustainability Tracking Assessment and Rating System (STARS), by March 1 of each year for data ending December 31 of the previous year, provide annual food service data.

### Key Policies and Guidelines

a. UCOP requirements

b. AASHE STARS Metrics

c. Real Food Challenge Core Principles

d. Green Business Certification

e. UCOP and UC San Diego Procurement Guidelines

f. Campus Specific Guidelines and Policies

-Fair Trade Policy

-Styrofoam Policy

Vendors are in the process of transitioning to eco-friendly product packaging and have been encouraged to use and sell Fair Trade products. Cooking grease from restaurant vendors is collected, recycled, and re-used in other products. University Centers hosted a Fair Trade and Sustainability Exposition in 2010 to encourage vendors to incorporate sustainable practices into their business. A campus-wide vendor assessment of Fair Trade activities was conducted in April 2010 and can be viewed at

<http://hds.ucsd.edu/fairtrade/images/fairtrade.pdf>

**The website URL where information about the guidelines is available :**

[http://www.ucop.edu/ucophome/coordrev/policy/sustainable\\_practices2009.pdf](http://www.ucop.edu/ucophome/coordrev/policy/sustainable_practices2009.pdf)

# Pre-Consumer Food Waste Composting

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## Responsible Party

**Krista Mays**  
Sustainability Manager  
Housing

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"---" indicates that no data was submitted for this field

### Does the institution have a pre-consumer food waste composting program? :

Yes

### A brief description of the pre-consumer food waste composting program :

Pre-consumer food scraps are collected from campus dining halls and taken to a central compactor which is then taken to the City's Greenery Food Scrap composting program. The Dining Hall pre-consumer food scrap program collection averages 4 tons/week.

UC San Diego's Compost Team collects pre-consumer waste from UC San Diego and composts it using tumblers and vermiculture. UC San Diego's Compost Team is a group of students dedicated to composting UC San Diego's organic waste. Students formed the team in late 2007. They run a program that brings organic waste from the Food Co-op to a compost site located on campus. The program is growing and other campus organizations are in line to participate as well such as Pete's Coffee located in the new RIMAC Annex complex.

### The overall percentage of meals for which pre-consumer scraps are composted :

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### The percentage of meal plan meals for which pre-consumer scraps are composted :

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### The percentage of retail facility meals for which pre-consumer scraps are composted :

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### The percentage of conference meals for which pre-consumer scraps are composted :

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### The website URL where information about the composting program is available :

<http://compost.ucsd.edu/>

# PostConsumer Food Waste Composting

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## Responsible Party

**Krista Mays**  
Sustainability Manager  
Housing

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"---" indicates that no data was submitted for this field

### Does the institution have a postconsumer food waste composting program? :

No

### A brief description of the postconsumer food waste composting program :

A Post-consumer food waste composting program at UC San Diego is in the planning phase and will be implemented after the current pre-consumer composting phase of the program is further established.

### The percentage of overall meals for which postconsumer composting is available :

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### The percentage of meal plan meals for which postconsumer composting is available :

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### The percentage of retail facilities for which postconsumer composting is available :

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### The percentage of conference meals for which postconsumer composting is available :

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### The website URL where information about the composting program is available :

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# Food Donation

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## Responsible Party

**Krista Mays**  
Sustainability Manager  
Housing

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"---" indicates that no data was submitted for this field

### Does the institution donate leftover or surplus food? :

Yes

### A brief description of the food donation program :

Once a week at prior to UC San Diego's Housing\*Dining\*Hospitality (HDH) shut down periods, the San Diego Rescue Mission picks up UC San Diego's leftover food. In an effort to be sustainable, HDH has greatly reduced our waste, which has limited our donations, but nonetheless the program is a success.

### The website URL where information about the food donation program is available :

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## Recycled Content Napkins

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### Responsible Party

**Krista Mays**  
Sustainability Manager  
Housing

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*"---" indicates that no data was submitted for this field*

### Does the institution use recycled content napkins in its dining service operations? :

Yes

### A brief description of the purchasing behavior :

UC San Diego uses recycled content napkins in all Dining Halls.

### The website URL where information about the purchasing is available :

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## Reusable Container Discounts

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### Responsible Party

**Krista Mays**  
Sustainability Manager  
Housing

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"---" indicates that no data was submitted for this field

### Does campus dining operations offer discounts to customers who use reusable mugs instead of disposable cups in to-go food service operations? :

Yes

### A brief description of the reusable mug program :

UC San Diego provides discounted rates for reusable mugs or bottles for cold beverages. \$0.05 for mugs \$0 .99 for reusable bottle as compared to \$1.59 for a glass of soda.

### Amount of the discount offered for using reusable mugs :

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### Description of other reusable food- or beverage-related programs (e.g. incentives for use of reusable bags, dishware, to-go containers) :

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### The website URL where information about the reusable mug discount program is available :

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## Reusable To-Go Containers

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### Responsible Party

**Krista Mays**  
Sustainability Manager  
Housing

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*"---" indicates that no data was submitted for this field*

**Does campus dining operations provide reusable containers for to-go food that are returned for cleaning and reuse? :**

Yes

**A brief description of the reusable to-go container program :**

Dining halls have a default serving using china and reusables. Students can take their food out of the dining facility on the reusables. 56 Drop off locations, called "Toby's Spots", are located throughout Housing areas so students can drop off their serveware when they are done with it.

**The website URL where information about the reusable to-go container program is available :**

<http://hdh.ucsd.edu/diningservices/>

# Energy

This subcategory seeks to recognize institutions that are reducing their energy consumption through conservation and efficiency, and switching to cleaner and renewable sources of energy such as solar, wind, geothermal, and low-impact hydropower. For most institutions, energy consumption is the largest source of greenhouse gas emissions, which cause global warming. Global warming is expected to have myriad negative impacts throughout the world, including increased frequency and potency of extreme weather events, sea level rise, species extinction, water shortages, declining agricultural production, and spread of diseases. The impacts are expected to be particularly pronounced for poor communities and countries. In addition to causing global warming, energy generation from fossil fuels, especially coal, produces air pollutants such as sulfur dioxide, nitrogen oxides, mercury, dioxins, arsenic, cadmium and lead. These pollutants contribute to acid rain as well as health problems such as heart and respiratory diseases and cancer. Coal mining and oil and gas drilling can also damage environmentally and/or culturally significant ecosystems. Nuclear power creates highly toxic and long-lasting radioactive waste. Large-scale hydropower floods habitat and disrupts fish migration.

Implementing conservation measures and switching to renewable sources of energy can help institutions save money and protect them from utility rate volatility. Renewable energy may be generated locally and allow campuses to support local economic development. Furthermore, institutions can help shape markets by creating demand for cleaner, renewable sources of energy.

<b>Credit</b>
Building Energy Consumption
Clean and Renewable Energy
Timers for Temperature Control
Lighting Sensors
LED Lighting
Vending Machine Sensors
Energy Management System
Energy Metering

# Building Energy Consumption

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## Responsible Party

**Anna Levitt**

Assistant Campus Energy Manager  
Facilities Management

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## Criteria

Institution has reduced its total building energy consumption per gross square foot of building space compared to a 2005 baseline.

To aggregate energy consumption data from multiple sources, figures should be converted into MMBtu (one million British thermal units – a standard measure of energy) using the following equivalents:

1 kWh = 0.003412 MMBtu

1 MWh = 3.412 MMBtu

1 therm = 0.1 MMBtu

1 kBtu = 0.001 MMBtu

1 ton-hour = 0.012 MMBtu

1 MJ = 0.000948 MMBtu

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"---" indicates that no data was submitted for this field

## Total building energy consumption, 2005 :

3181620 MMBtu

## Building space, 2005 :

14152000 Gross Square Feet

## Total building energy consumption, performance year :

3362872 MMBtu

## Building space, performance year :

18860959 Gross Square Feet

## List the start and end dates of the energy consumption performance year :

Jan. 1, 2011 – Dec. 31, 2011

## Responsible Party

**Anna Levitt**

Assistant Campus Energy Manager  
Facilities Management

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## Criteria

Institution supports the development and use of clean and renewable energy sources using any one or combination of the following options.

Option 1: Generating electricity from clean and renewable energy sources on campus and retaining or retiring the rights to the environmental attributes of such electricity. (In other words, if the institution has sold Renewable Energy Credits for the clean and renewable energy it generated, it may not claim such energy here). The on-site renewable energy generating devices may be owned and/or maintained by another party as long as the institution has contractual rights to the associated environmental attributes.

Option 2: Using renewable sources for non-electric, on-site energy generation, such as biomass for heating.

Option 3: Catalyzing the development of off-site clean and renewable energy sources (e.g. an off-campus wind farm that was designed and built to supply electricity to the institution) and retaining the environmental attributes of that energy.

Option 4: Purchasing the environmental attributes of electricity in the form of Renewable Energy Certificates (RECs) or other similar renewable energy products that are either Green-e Energy certified or meet Green-e Energy's technical requirements and are verified as such by a third party, or purchasing renewable electricity through the institution's electric utility through a certified green power purchasing option.

Option 5: Using cogeneration technologies to generate electricity more efficiently. Note: generating electricity using cogeneration technology and a renewable fuel, such as biomass, is considered Option 1 and should not be counted twice.

Since this credit is intended to recognize institutions that are generating new sources of clean and renewable energy, neither the electric grid mix for the region in which the institution is located nor the grid mix reported by the electric utility that serves the institution count for this credit.

Technologies that reduce the amount of energy used but do not generate renewable energy do not count for this credit. For example, daylighting, passive solar design, and ground-source heat pumps are not counted in this credit. The benefits of such strategies are captured by *OP Credit 5: Greenhouse Gas Emissions Reductions* and *OP Credit 7: Building Energy Consumption*.

Transportation fuels, which are covered by *OP Credit 14: Campus Fleet*, are not included in this credit.

To aggregate energy consumption data from multiple sources, figures should be converted into MMBtu (one million British thermal units – a standard measure of energy) using the following equivalents:

1 kWh = 0.003412 MMBtu

1 MWh = 3.412 MMBtu

1 therm = 0.1 MMBtu

1 kBtu = 0.001 MMBtu

1 ton-hour = 0.012 MMBtu

1 MJ = 0.000948 MMBTU

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"---" indicates that no data was submitted for this field

**Option 1: Total clean and renewable electricity generated on site during the performance year and for which the institution retains or has retired the associated environmental attributes :**

6456 MMBtu

**Option 2: Non-electric renewable energy generated :**

2242 MMBtu

**Option 3: Total clean and renewable electricity generated by off-site projects that the institution catalyzed and for which the institution retains or has retired the associated environmental attributes :**

0 MMBtu

**Option 4: Total RECs and other similar renewable energy products that the institution purchased during the performance year that are Green-e certified or meet the Green-e standard's technical requirements and are third party verified :**

34926 MMBtu

**Option 5: Total electricity generated with cogeneration technology using non-renewable fuel sources :**

746089 MMBtu

**Total energy consumed during the performance year :**

3362872 MMBtu

**A brief description of on-site renewable electricity generating devices :**

Approximately 10% of the campus' 260 GWh are generated using renewable energy sources. Energy generation systems include:

- A 1.5-megawatt PV system made up of a combination of conventional flat panels, sun-tracking/concentrating PV, and a PV energy storage demonstration project.
- A 2.8 MW that uses renewable methane gas currently flared at the local wastewater treatment facility, the plant provides enough energy to power 2,800 homes.
- Approximately 8 kW's of wind turbines located at the Birch Aquarium "Boundless Energy" exhibit.

**A brief description of on-site renewable non-electric energy devices :**

A 300-kilowatt solar water-heating system installed at the North Campus Housing Phase II project is one of the largest solar-thermal projects at a North American university.

**A brief description of off-site, institution-catalyzed, renewable electricity generating devices :**

UCSD has just completed an 834 kW photovoltaic installation at 5 off-campus sites. The PV systems include a 188 kW ground mounted array, a 196 kW carport structure and 450 kW of rooftop panels.

**A brief description of RECs or other similar renewable energy products purchased during the previous year, including contract timeframes :**

Green-e certified RECs were purchased in 2011 for 21% of the campus's total purchased electricity. The RECs are composed primarily of biomass, wind, and solar PV.

**A brief description of cogeneration technologies deployed :**

54% of the campus's 60 MMBtu/hr heating load (for space heating, lab sterilization, & domestic/industrial water heating for 12 million sq. ft. of buildings) is served by waste steam from the campus's cogeneration plant. Heat recovery from the cogeneration plant also drives 3 steam-expansion chillers that together provide 9,750 refrigeration tons (RT). A 3.8 million gallon chilled water storage tank is connected to the chilled water system, and it permanently load shifts from on peak to off peak 3-6 MW per day. The combined heat and power achieves 70% overall simple efficiency. The two gas turbines in the cogeneration plant use a non-ammonia catalytic emission reduction system that produces only 1.5 ppm NOx.

Thanks to recent regulatory authority for piping "directed biogas", efforts are underway to contract for supplies of remote sources of biogas for use in the gas turbines as a substitute for natural gas. Waste heat from the aforementioned fuel cell, which will utilize renewable methane, will power 300 tons of chilling capacity from an absorption chiller.

**The website URL where information about the institution's renewable energy sources is available :**

<http://sustainability.ucsd.edu/initiatives/energy-production.html>

# Timers for Temperature Control

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## Responsible Party

**Anna Levitt**

Assistant Campus Energy Manager  
Facilities Management

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*"---" indicates that no data was submitted for this field*

### **Does the institution use timers to regulate temperatures based on occupancy hours in at least one building? :**

Yes

### **A brief description of the technology used :**

Most thermostats in offices and labs are centrally controlled for efficient and accurate temperature settings. (See the table below for settings.) In some instances; however, you can make slight manual adjustments to these controls if your workspace is too warm or cool.

### **The percentage of building space (square footage) with timers for temperature control :**

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### **The website URL where information about the practice is available :**

<http://sustainability.ucsd.edu/involve/temperature-settings.html>

## Responsible Party

**Anna Levitt**

Assistant Campus Energy Manager  
Facilities Management

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### Submission Note:

Much of UCSD's campus consists of laboratory and medical facilities that cannot be controlled with lighting sensors.

*"---" indicates that no data was submitted for this field*

### Does the institution use motion, infrared, and/or light sensors to reduce energy use for lighting in at least one building? :

Yes

### A brief description of the technology used :

From 2009 to 2011, the campus completed several lighting retrofits on campus:

1. Installed dual technology (infrared and ultrasonic) motion sensors throughout buildings to control both lighting and HVAC
2. Replaced converted ALL parking lot lights from low pressure sodium fixtures to motion sensor-controlled LED and T5 fluorescent fixtures
3. Eliminated all T12 lamps and magnetic ballasts on campus, replacing them with premium efficiency, low mercury 25W T8 fluorescents and electronic ballasts, and de-lamping in over-lit areas
4. Installed motion sensor-controlled bi-level stairwell fixtures, campus-wide

### The percentage of building space with lighting sensors :

50

### The website URL where information about the institution's use of the technology is available :

<http://sustainability.ucsd.edu/initiatives/energy-production.html>

## Responsible Party

**Anna Levitt**

Assistant Campus Energy Manager  
Facilities Management

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*"---" indicates that no data was submitted for this field*

**Does the institution use Light Emitting Diode (LED) technology in at least one lighting application? LED applications in exit signs and remote controls do not count for this credit. :**

Yes

### **A brief description of the technology used :**

Completed & current LED lighting retrofits on campus:

1. Replaced lighting in three parking lots with occupancy sensor-controlled bi-level LED fixtures
2. Replaced 150W high pressure sodium with 79W LED fixtures at campus gas station
3. Designed a new parking structure with bi-level LED, occupancy sensor-controlled lighting throughout
4. Replacing all decorative incandescent on Library Walk with LEDs
5. Replacing exhibit lighting in Birch Aquarium (currently halogens) with LEDs

Other energy efficiency efforts:

All linear fluorescent lighting on the campus was retrofitted with 25W T8 lamps, premium efficiency ballasts, and occupancy sensor controls within the last 5 years. UCOP Policy requires Energy Star products be purchased when available. Currently, 95% of campus appliances are Energy Star. Between 1995 and 2005 UCSD completed \$60M in energy-saving improvements that cut electricity consumption by 20%. In 2009, UCSD replaced 514 older computer servers with 270 new servers that perform the same functions but with half the energy consumption, saving the university \$680,000/yr. The campus is in the 3rd year of a 5 year, \$73M energy efficiency program to reduce energy consumption in 25 of its older buildings by a combined \$6M/yr.

**The percentage of building space with LED lighting :**

2

**The percentage of parking deck space with LED lighting :**

5

**The percentage of outdoor space that uses LED lighting :**

3

**The percentage of building space with efficient, non-LED lighting (compact fluorescent, automatic daylight shutoff,**

or other energy-saving features) :

90

**The website URL where information about the institution's use of the technology is available :**

<http://sustainability.ucsd.edu/initiatives/energy-production.html>

# Vending Machine Sensors

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## Responsible Party

**Anna Levitt**

Assistant Campus Energy Manager  
Facilities Management

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*"---" indicates that no data was submitted for this field*

## Has the institution installed vending machine motion sensors for at least one vending machine? :

Yes

## A brief description of the technology used :

All campus soda machines have occupancy sensors to control the machine's lighting and compressor, per the campus's latest Master Agreement with the vending machine supplier.

## The percentage of vending machines with sensors :

100

## The website URL where information about the institution's use of the technology is available :

<http://sustainability.ucsd.edu/>

# Energy Management System

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## Responsible Party

**Anna Levitt**

Assistant Campus Energy Manager  
Facilities Management

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### Submission Note:

<http://energy.ucsd.edu/>

"---" indicates that no data was submitted for this field

### **Does the institution use a centralized energy management system that allows it to track energy consumption and performance in multiple buildings in a central location? :**

Yes

### **A brief description of the management system :**

The campus has a Johnson Controls Metasys 4.0 building control system. The entire campus, down to the zone level, can be seen on the Metasys front end system.

UCSD is installing the world's 1st microgrid master controller and optimizer software suite under a \$2M grant that will reschedule on an hourly basis the mix of self generation, grid imports, electric and thermal storage, and demand load as a Virtual Power Plant based upon real time signals from the market, prevailing economics, known efficiencies and predicted environmental emissions, a prototype of the future Smart Grid.

### **The percentage of building space monitored with a centralized energy management system :**

95

### **A description of what systems are shut down during unoccupied periods :**

Air handlers, pumps, chillers, and boilers that serve non-laboratory loads are shut down during unoccupied times (generally, at night and on weekends).

HVAC systems in six buildings are now controlled by occupancy sensors; this is now a campus standard for new buildings and retrofit projects.

Lighting is turned off in unoccupied areas, either by occupancy sensors, central lighting control systems or janitorial staff, depending on the area.

**The website URL where information about the institution's use of the technology is available :**

<http://sustainability.ucsd.edu/initiatives/smart-grid.html>

# Energy Metering

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## Responsible Party

**Anna Levitt**

Assistant Campus Energy Manager  
Facilities Management

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*"---" indicates that no data was submitted for this field*

### **Does the institution meter all energy consumption (electricity, natural gas, purchased steam, etc.) for at least one building? :**

Yes

### **A brief description of the metering system :**

UCSD currently has intelligent, utility-grade ION electricity meters on approximately 60% of the campus's total electricity load, monitoring at the individual building level. These meters monitor energy and power quality, and interface with an existing PowerLogic ION Enterprise® web-enabled software system. Together, this system provides high accuracy energy and demand measurements, historical trending, web compatibility, and control capabilities. The meters have digital and analog inputs and outputs for pulse counting, equipment status/position monitoring, demand synchronization, triggering conditional energy metering, and equipment control or interfacing. In the past 2 years, UCSD has added 98 new digital electric meters; almost every building on campus now has 15-minute electricity monitoring.

In addition to electric meters, the campus has BTU meters on chilled water and hot water inputs on most major buildings on campus. These meters provide 15-minute interval data on temperature, flow and BTU to a central online database.

About 200 meters track lighting electricity use every minute, and provide visual monitoring to occupants (

<http://power.ucsd.edu>

). All new buildings now employ natural daylighting strategies and occupancy-based controls throughout.

### **The percentage of building space with energy metering :**

90

### **The website URL where information about the metering system is available :**

<http://energy.ucsd.edu/>

# Grounds

This subcategory seeks to recognize institutions that plan and maintain their grounds with sustainability in mind. Beautiful and welcoming campus grounds can be planned, planted, and maintained in any region while minimizing the use of toxic chemicals, protecting wildlife habitat, and conserving water and resources.

<b>Credit</b>
Integrated Pest Management
Native Plants
Wildlife Habitat
Tree Campus USA
Snow and Ice Removal
Landscape Waste Composting

# Integrated Pest Management

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## Responsible Party

**Alonso Noble**

Assistant Superintendent

Facilities Management

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## Criteria

Institution's grounds are developed and maintained in accordance with an integrated pest management plan that adheres to the following four-tiered approach:

- 1) Set action thresholds
  - 2) Monitor and identify pests
  - 3) Prevention
  - 4) Control
- 

*"---" indicates that no data was submitted for this field*

## The size of the campus grounds :

1200 Acres

## The size of campus grounds that are maintained in accordance with a four-tiered IPM plan :

1200 Acres

## A brief description of the IPM plan(s) :

UC San Diego uses and conforms to the following definition of integrated pest management (IPM). A pest management strategy that focuses on long-term prevention or suppression of pest problems through a combination of techniques such as encouraging biological control, use of resistant varieties, and adoption of alternate cultural practices such as modification of irrigation or pruning to make the habitat less conducive to pest development. Pesticides are used only when careful monitoring indicates they are needed according to pre-established guidelines, treatment thresholds, or to prevent pests from significantly interfering with the purposes for which plants are being grown.

UC San Diego promotes the following Best Management Practices for IPM: If pesticides are to be used, we use the least toxic, most effective, and most specific product. We use organic based products whenever possible. We have greatly reduced and try to eliminate the use of pesticides with the signal word "Warning and Danger". We have been and will continue to be on the forefront of sustainable landscape management.

Landscape Services employs the use of mulch for weed prevention and moisture retention thereby reducing the need to irrigate more often. Landscape techs are also directed to pull weeds whenever possible to reduce the use of chemicals.

**The website URL where information about the IPM plan(s) is available :**

<http://blink.ucsd.edu/safety/environment/pests/>

# Native Plants

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## Responsible Party

**Alonso Noble**

Assistant Superintendent

Facilities Management

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"---" indicates that no data was submitted for this field

## Does the institution prioritize the use of native plant species in landscaping? :

Yes

## A brief description of the native plant program, policy, or practice :

UC San Diego's campus master plan and other approved planning document define the use of native plantings. Excerpts: "Indigenous vegetation should be considered as a landscape fabric that has a coastal sage and chaparral integrity and heritage to it." "The use of grass as a ground cover is discouraged except in sunny locations where students, faculty...may gather on a lawn. Planting areas, to the greatest extent possible, should be covered by a variety of xeric-tolerant, indigenous, and ornamental shrubbery and ground cover."

The landscape management staff values the use of native plants; When reviewing plans for a new landscape, inclusion of appropriate native plantings are verified. For example recommending the use of *Salvia clevelandii* for a shrub in housing project instead of using *Pittosporum crassifolium*. Or employees are the unofficial watch dogs for the protection of existing native habitat adjacent to a new development. Plant material Identification questions during employment hiring include common native plantings.

<http://physicalplanning.ucsd.edu>

This site Includes UC San Deigo's Master Plan, Neighborhood Plans, Guidelines and campus wide landscape Polices.

<http://blink.ucsd.edu/facilities/management/landscaping/index.html>

This site includes all scope of work services by UC San Diego Facilities Management Landscape Services.

## The website URL where information about the program, policy, or practice is available :

<http://physicalplanning.ucsd.edu/>

**Responsible Party**

**Alonso Noble**

Assistant Superintendent

Facilities Management

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*"---" indicates that no data was submitted for this field*

**Does the institution have programs in place to protect and/or create wildlife habitat on institution-owned land? :**

Yes

**A brief description of the wildlife habitat program, policy, or practice :**

27% of main campus is ecological preserve and grove park. UC San Diego owns and manages nearly 102M sq ft of land, of which less than 6% is building footprint. UC San Diego's permanent preserve urban forest of >200,000 trees reduces energy use by 12.9 GWh/yr, sequesters 10,000 tons/yr of CO<sub>2</sub> (5% of UCSD's annual emissions), and traps and filters into the water table 140 million gallons/yr of untreated storm water. Campus owns 4 Natural Reserve sites: Scripps Coastal Reserve, Kendall-Frost Mission Bay Marsh Reserve, Elliot Chaparral Reserve, and Dawson Los Monos Canyon Reserve. Scripps Coastal Reserve is a CA Area of Special Biological Significance, a Marine Life Refuge and Ecological Reserve. Campus rec'd \$2.65M to perform ASBS protection work.

**The website URL where information about the program, policy, or practice is available :**

<http://physicalplanning.ucsd.edu/plans/lrdp.html>

**Responsible Party**

**Alonso Noble**

Assistant Superintendent

Facilities Management

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*"---" indicates that no data was submitted for this field*

**Is the institution recognized by the Arbor Day Foundation's Tree Campus USA program? :**

Yes

**A brief description of the institution's Tree Campus USA program :**

The Arbor Day Foundation has also named UC San Diego a “Tree Campus USA”. Approximately 27% of the campus is ecological preserve and grove park. UC San Diego owns nearly 102M sq ft of land, of which less than 6% is building footprint. UC San Diego’s permanent urban forest preserve has >200,000 trees, reduces energy use by 12.9 GWh/yr, sequesters 10,000 tons/yr of CO<sub>2</sub> (5% of UC San Diego’s annual emissions), and traps and filters into the water table 140 million gals/yr of untreated storm water. Campus also owns 4 Natural Reserve sites: Scripps Coastal Reserve, Kendall-Frost Mission Bay Marsh Reserve, Elliot Chaparral Reserve, and Dawson Los Monos Canyon Reserve. Scripps Coastal Reserve is a CA Area of Special Biological Significance, a Marine Life Refuge and Ecological Reserve. UC San Diego received \$2.65M to perform ASBS protection work.

**The website URL where information about the program, policy, or practice is available :**

<http://ucsdnews.ucsd.edu/newsrel/general/08-09TreeCampus.asp>

## Snow and Ice Removal

"---" indicates that no data was submitted for this field

**Has the institution implemented technologies or strategies to reduce the environmental impacts of snow and ice removal? :**

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**A brief description of the snow and ice removal program, policy, or practice :**

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**The website URL where information about the program, policy, or practice is available :**

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# Landscape Waste Composting

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## Responsible Party

**Alonso Noble**  
Assistant Superintendent  
Facilities Management

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*"---" indicates that no data was submitted for this field*

### Does the institution compost or mulch waste from grounds keeping, including grass trimmings? :

Yes

### A brief description of the composting or mulching program :

The in-house tree crew and seasonal outside tree trimming contractor work in the Housing, Dining and Hospitality areas on campus to chip their cuttings. These wood chips are then used in the landscape for soil moisture retention, erosion control and weed abatement.

### The percentage of landscape waste that is mulched or composted onsite :

65

### The percentage of landscape waste that is mulched or composted off-site :

35

### The website URL where information about the program, policy, or practice is available :

<http://blink.ucsd.edu/facilities/management/landscaping/index.html>

# Purchasing

This subcategory seeks to recognize institutions that are using their purchasing power to help build a sustainable economy. Collectively, colleges and universities spend many billions of dollars on goods and services annually. Each purchasing decision represents an opportunity for institutions to choose environmentally and socially preferable products and services and support companies with strong commitments to sustainability.

<b>Credit</b>
Computer Purchasing
Cleaning Products Purchasing
Office Paper Purchasing
Vendor Code of Conduct
Historically Underutilized Businesses
Local Businesses

# Computer Purchasing

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## Responsible Party

**Edward Johnson**

Senior Director, Chief Procurement Officer  
BFS-Procureents/Contracts

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## Criteria

### *Part 1*

Institution has an institution-wide stated preference to purchase Electronic Product Environmental Assessment Tool (EPEAT) Silver or higher products. This can take the form of purchasing policies, guidelines, or directives. This credit does not include specialized computers for which no EPEAT certified products are available. Policies and directives adopted by entities of which the institution is part (e.g. state government or the university system) may count for this credit as long as the policies apply to and are followed by the institution.

### *Part 2*

Institution purchases Electronic Product Environmental Assessment Tool (EPEAT) Silver and/or Gold registered products for standard desktop and notebook/laptop computers and monitors. This credit does not include specialized computers for which no EPEAT certified products are available.

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### **Submission Note:**

The figures are based on the two largest computer purchasers at UC San Diego: Administrative Computing and Telecommunications and Auxiliary & Plant Services.

*"---" indicates that no data was submitted for this field*

**Does the institution have an institution-wide stated preference to purchase EPEAT Silver or higher computers and monitors? :**

Yes

**The website URL where the EPEAT policy, directive, or guidelines are posted :**

[http://www.universityofcalifornia.edu/sustainability/documents/policy\\_sustain\\_prac.pdf](http://www.universityofcalifornia.edu/sustainability/documents/policy_sustain_prac.pdf)

**A brief description of steps the institution has taken to ensure that the purchasing policy, directives, or guidelines are followed :**

The University of California has a system wide policy that was adopted in March 2008 by the Regents, but only requires a Bronze registration. It reads as follows: "All desktop computers, laptops, and computer monitors purchased by the University are required to have achieved Bronze registration or higher under the Electronic Products Environmental Assessment Tool (EPEAT)." However, UC San

Diego exceeds this policy requirement. Through negotiated contracts with both Dell and Apple, who provide the vast majority of computers to UCSD, most of the systems that are purchased by UC San Diego are EPEAT Gold, with a few being EPEAT Silver. By purchasing from these negotiated contracts, we ensure that UC San Diego exceeds the policy requirements set forth by the Regents.

For UC San Diego Auxiliary & Plant Services, all computer and peripheral purchases are routed through the IT group for action. They have an internal operating procedure to purchase energy efficient systems whenever possible.

**Does the institution wish to pursue points for Part 2 of this credit (expenditures on EPEAT computers)? :**

Yes

**Expenditures on EPEAT Gold desktop and laptop computers and monitors :**

9030965.11 *US/Canadian \$*

**Expenditures on EPEAT Silver desktop and laptop computers and monitors :**

990426.24 *US/Canadian \$*

**Total expenditures on desktop and laptop computers and monitors :**

10021391.35 *US/Canadian \$*

# Cleaning Products Purchasing

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## Responsible Party

**Dave Weil**

Director of Building Commissioning and Sustainability  
Facilities Management

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## Criteria

### Part 1

Institution has an institution-wide stated preference to purchase Green Seal™ or EcoLogo™ certified cleaning products. The stated preference can take the form of purchasing policies, guidelines, or directives to purchase green cleaning products. Policies and directives adopted by entities of which the institution is part (e.g. state government or the university system) may count for this credit as long as the policies apply to and are followed by the institution.

### Part 2

Institution's main cleaning or housekeeping department(s) and/or contractor(s) purchase Green Seal or EcoLogo certified cleaning products. This credit does not include cleaning products for which no Green Seal or EcoLogo certified products are available.

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### Submission Note:

The campus often sites our green cleaning contract commitment in our LEED documentation.

"---" indicates that no data was submitted for this field

**Does the institution have an institution-wide stated preference to purchase Green Seal (tm) or EcoLogo (tm) certified cleaning products? :**

Yes

**The website URL where the green cleaning product purchasing policy, directive, or guidelines are posted :**

[http://www-bfs.ucsd.edu/pur/Strategic\\_Sourcing/EnvironmentallyPreferredPurchasingGuide.pdf](http://www-bfs.ucsd.edu/pur/Strategic_Sourcing/EnvironmentallyPreferredPurchasingGuide.pdf)

**A brief description of steps the institution has taken to ensure that the purchasing policy, directives, or guidelines are followed :**

The broad goals of this policy are to:

- Educate UC San Diego's buyers and suppliers about EPP and how to practice it
- Give preference to environmentally preferred products whenever possible
- Provide lists and resources of EPP product to UC San Diego buyers
- Establish baselines of spend on EPP products
- Set goals, metrics, and measures for future spend as it relates to EPP

Additional information can be found at

<http://blink.ucsd.edu/buy-pay/responsible/environment/epp.html>

**Does the institution wish to pursue points for Part 2 of this credit (expenditures on cleaning products)? :**

Yes

**Expenditures on Green Seal and/or EcoLogo certified cleaning products :**

407657.48 *US/Canadian \$*

**Total expenditures on cleaning products :**

608444 *US/Canadian \$*

**A copy of the sections of the cleaning contract(s) that reference certified green products :**

[IEQ 10.3 - Cleaning Policy Credit Letter.doc](#)

# Office Paper Purchasing

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## Responsible Party

**Edward Johnson**

Senior Director, Chief Procurement Officer  
BFS-Procureents/Contracts

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## Criteria

### *Part 1*

Institution has an institution-wide stated preference to purchase recycled content office paper. This can take the form of purchasing policies, guidelines, or directives to purchase recycled content office paper. Policies and directives adopted by entities of which the institution is part (e.g. state government or the university system) may count for this credit as long as the policies apply to and are followed by the institution.

### *Part 2*

Institution purchases recycled content office paper.

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#### Submission Note:

These figures include paper purchases from the two largest paper suppliers at UC San Diego: Imprints and Business Financial Services-Storehouse.

"---" indicates that no data was submitted for this field

**Does the institution have an institution-wide stated preference to purchase recycled content office paper? :**

Yes

**The URL where the recycled paper policy, directive, or guidelines are posted :**

<http://blink.ucsd.edu/facilities/services/imprints/machines/paper.html#Copy-paper>

**A brief description of steps the institution has taken to ensure that the purchasing policy, directives, or guidelines are followed :**

Paper is purchased through UC system-wide strategically sourced contracts. Paper provided to campus multifunctional printers and copiers is solely 30% recycled product. As of May 2010, 81% is at least 30% post-consumer recycled content.

**Does the institution wish to pursue points for Part 2 of this credit (expenditures on recycled paper)? :**

Yes

**Expenditures on 10-29 percent recycled-content office paper :**

6246.28 *US/Canadian \$*

**Expenditures on 30-49 percent recycled-content office paper :**

489174.70 *US/Canadian \$*

**Expenditures on 50-69 percent recycled-content office paper :**

10963.60 *US/Canadian \$*

**Expenditures on 70-89 percent recycled-content office paper (required if claiming points for Part 2) :**

0 *US/Canadian \$*

**Expenditures on 90-100 percent recycled-content office paper :**

4654.04 *US/Canadian \$*

**Total expenditures on office paper :**

719003 *US/Canadian \$*

# Vendor Code of Conduct

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## Responsible Party

**Edward Johnson**

Senior Director, Chief Procurement Officer  
BFS-Procureents/Contracts

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## Criteria

Institution has and acts on a vendor code of conduct or equivalent policy that sets expectations about the social and environmental responsibility of vendors with whom the institution does business. Policies adopted by entities of which the institution is part (e.g. state government or the university system) may count for this credit as long as the policies apply to and are followed by the institution.

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*"---" indicates that no data was submitted for this field*

**Does the institution have and act on a vendor code of conduct or equivalent policy that sets expectations about the social and environmental responsibility of vendors with whom the institution does business? :**

Yes

**The website URL where the vendor code of conduct or equivalent policy is posted :**

[http://www.universityofcalifornia.edu/sustainability/documents/policy\\_sustain\\_prac.pdf](http://www.universityofcalifornia.edu/sustainability/documents/policy_sustain_prac.pdf)

**A copy of the vendor code of conduct or equivalent policy :**

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**A brief description of programs and strategies institution has implemented to ensure the code is followed, including a brief description of instances when vendor code of conduct has changed purchasing behavior within the last five years, if applicable :**

The Procurement & Contracts team was part of the University of California system-wide collaboration that developed the UC Guidelines for Environmentally Preferred Purchasing and has implemented the Environmentally Preferable Purchasing requirements in the UC Policy on Sustainable Practices. Examples of programs include: the selecting of major suppliers of consumer electronics and computers that use lead-free solder practices, developing a reusable tote program to minimize shipment packaging, specifications for recyclable and cradle-to-cradle carpet products, promoting non-virgin paper procurement and use, requiring Energy Star compliance for campus-wide standard configuration computer systems and where available other electronic products, vendor sponsored recycle programs for frequently used lab supplies (e.g. pipette tips), working with vendors to reduce packaging material volumes and encourage use of environmentally friendly alternatives, using electronic procurement system to reduce paper purchase orders and invoices. Vendors from which the University purchases products will be required to utilize minimal and reusable packaging materials as deemed in products specifications. If no local market for packaging materials exists, vendors may be required to take-back their packaging at their expense. Current practices include consolidation of shipments at centralized location to minimize packaging sent to campus and maximize recycling opportunities at centralized delivery point.



# Historically Underutilized Businesses

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## Responsible Party

**Edward Johnson**

Senior Director, Chief Procurement Officer  
BFS-Procureents/Contracts

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*"---" indicates that no data was submitted for this field*

## **Does the institution seek to support historically underutilized businesses, minority-owned businesses, and women owned-businesses? :**

Yes

## **A brief description of how the institution meets the criteria :**

UC San Diego has a small business coordinator and others that reach out to historically underutilized businesses, minority-owned businesses and women-owned businesses. Past activities have included speaking to groups, staffing tables at outreach events, and hosting “How to Do Business with UC San Diego” seminars. It is necessary for the university to continue outreach efforts and training to these types of businesses in support of research programs and to meet the complexity and variety of campus needs. Additionally, it is necessary for equal opportunity and access in business contracting and in accordance with university policy. The university does seek to support these types of diverse small businesses in support of Federal, State and local contracting compliance and opportunities. This helps us to ensure the success and sustainability of our programs.

## **The website URL where information about the program, policy, or practice is available :**

<http://www-bfs.ucsd.edu/pur/suppliers/sbdo-dev-off.html>

**Responsible Party**

**Edward Johnson**

Senior Director, Chief Procurement Officer  
BFS-Procureents/Contracts

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*"---" indicates that no data was submitted for this field*

**Does the institution give preference to local products and businesses in its purchasing decisions? Local food purchases, which are covered in OP Credit 6: Food Purchasing, are not included in this credit. :**

Yes

**A brief description of the program :**

The UC Strategic Sourcing process is intended to cover approximately 80% of the common goods and services procured System-wide. The remaining 20% (or more) of that spend is set aside for campuses to contract with local, small or other disadvantaged businesses to help grow their local economy and reduce our carbon footprint.

**The website URL where information about the program, policy, or practice is available :**

<http://www.ucop.edu/purchserv/documents/ssfacts.pdf>

# Transportation

This subcategory seeks to recognize institutions that are moving toward sustainable transportation systems. Transportation is a major source of greenhouse gas emissions and other pollutants that contribute to health problems such as heart and respiratory diseases and cancer. Due to disproportionate exposure, these health impacts are frequently more pronounced in low-income communities next to major transportation corridors. In addition, the extraction, production, and global distribution of fuels for transportation can damage environmentally and/or culturally significant ecosystems and may financially benefit hostile and/or oppressive governments.

At the same time, campuses can reap benefits from modeling sustainable transportation systems. Bicycling and walking provide human health benefits and mitigate the need for large areas of paved surface, which can help campuses to better manage storm water. Institutions may realize cost savings and help support local economies by reducing their dependency on petroleum-based fuels for transportation.

<b>Credit</b>
Campus Fleet
Student Commute Modal Split
Employee Commute Modal Split
Bicycle Sharing
Facilities for Bicyclists
Bicycle and Pedestrian Plan
Mass Transit Programs
Condensed Work Week
Telecommuting
Carpool/Vanpool Matching
Cash-out of Parking
Carpool Discount
Local Housing
Prohibiting Idling
Car Sharing

## Responsible Party

**Jim Ruby**  
Fleet Manager  
Fleet Services

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## Criteria

Institution supports alternative fuel and power technology by including in its motorized vehicle fleet (cars, trucks, tractors, buses) vehicles that are:

1. Gasoline-electric hybrid
2. Diesel-electric hybrid
3. Plug-in hybrid
4. 100 percent electric
5. Fueled with Compressed Natural Gas (CNG)
6. Hydrogen fueled
7. Fueled with B20 or higher biofuel for more than 6 months of the year; and/or
8. Fueled with E85 or higher ethanol for more than 6 months of the year.

For this credit, the institution's motorized fleet includes all institution-owned and operated vehicles that are used for transporting people and/or goods. Heavy construction equipment (e.g. excavators and pavers) and maintenance equipment (e.g. lawn-mowers and leaf blowers) are not included in this credit.

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### Submission Note:

UCSD is committed to reducing GHG emissions by increasing the use of alternative transportation and fuels, while continuing to improve access to its growing, urban community. In 2009, the 42 free regional Ultra-Low Sulfur Biodiesel (need to look at this number) and CNG shuttle buses provided over 4.8 million passenger trips on routes totaling over 1 million miles. Transportation Services' alternative transportation programs collectively saved in 2009 an estimated 18,680 metric tons of CO2 emissions.

Transportation and Fleet programs have won awards including: SANDAG Diamond, 3 SANDEE Awards, Model Pollution Prevention and more. A GPS and ETA App for cell phones and PCs tracks shuttles. A student-faculty-admin project created the Greenline shuttle that tests biofuels. (

<http://blink.ucsd.edu/go/shuttles>

)

Fleet Services is working on acquiring one or two demo Plug in Electric hybrid Priuses.

When discussing electric vehicles in the institution's fleet, this includes 3 T3 Motion vehicles and 3 Segways. 165 of these vehicles are NEV's/LSV's. Fleet services currently has five full speed electric vehicles, and is looking at options for obtaining more. The campus also has 6 EV charging stations for fleet use and has signed an agreement to install 28 charging stations for public and workplace charging.

Although we do not have hydrogen fueled vehicles, our campus does have CNG powered buses (15), trucks (3), along with a CNG street sweeper and 4 delivery trucks. These are alternatively fueled vehicles that should be included. UCSD has its own Compressed Natural Gas (CNG) fueling station that not only supports campus owned vehicle, but is open to the entire campus community. In an effort to promote a cleaner more sustainable fuel, UCSD's CNG station is open to all faculty, staff, students and alumni, as well as local public agencies, non-profits and companies doing business with the campus.

Question OP-14: Campus Fleet, All diesel fuel dispensed on campus is minimum B20. The campus fleet consumes approximately 172,000 gallons of B20 or higher biodiesel per year. The campus has some equipment (i.e. wood chipper) that also uses campus fuel, but are not included in the above total. Additionally, 31 of the vehicles accounted for in the total are buses.

In regards to the vehicles in the institution's fleet that are fueled with E85 or higher ethanol for more than 6 months of the year, the campus has 6 of these vehicles, but they do not meet the requirements to be listed.

The total number of vehicles in the institution's fleet does not include 52 VPSI vanpool vehicles.

"---" indicates that no data was submitted for this field

**Gasoline-electric, non-plug-in hybrid vehicles in the institution's fleet :**

72

**Diesel-electric, non-plug-in hybrid vehicles in the institution's fleet :**

0

**Plug-in hybrid vehicles in the institution's fleet :**

0

**100 percent electric vehicles in the institution's fleet :**

308

**Vehicles in the institution's fleet that are fueled with Compressed Natural Gas (CNG) :**

28

**Hydrogen fueled vehicles in the institution's fleet :**

0

**Vehicles in the institution's fleet that are fueled with B20 or higher biofuel for more than 6 months of the year :**

58

**Vehicles in the institution's fleet that are fueled with E85 or higher ethanol for more than 6 months of the year :**

0

**Total number of vehicles in the institution's fleet, including all of the above :**

925



# Student Commute Modal Split

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## Responsible Party

**Curt Lutz**

Parking & Transportation Analyst  
Parking & Transportation

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## Criteria

Institution's students commute to and from campus using more sustainable options such as walking, bicycling, vanpooling or carpooling, taking public transportation, riding motorcycles or scooters, riding a campus shuttle, or a combination of these options. Students who live on campus should be included in the calculation based on how they get to and from their classes.

---

### Submission Note:

The data available for campus commute modal split does not distinguish between students, staff, and faculty.

UC San Diego can best ensure accuracy by reporting metrics currently tracked by Transportation Services, which meticulously documents the total number of commuters during its annual survey of pedestrian and vehicle traffic.

This survey focuses on tracking all commuter data for transportation and greenhouse gas purposes, but it does not distinguish between student, faculty, staff or campus visitors. Over a decade of data has been collected in this manner and demonstrates a significant increase in alternative transportation usage by commuters. The percentages provided are the most precise representation of UC San Diego commuters currently available.

*"---" indicates that no data was submitted for this field*

**The percentage (0-100) of institution's students who use more sustainable commuting options :**

58

**The percentage (0-100) of institution's students who commute with only the driver in the vehicle (excluding motorcycles and scooters) as their primary method of transportation :**

42

**The percentage (0-100) of institution's students who walk, bicycle, or use other non-motorized means as their primary method of transportation. Please note that this may include on-campus residents :**

9

**The percentage (0-100) of institution's students who vanpool or carpool as their primary method of transportation :**

26

**The percentage (0-100) of institution's students who take a campus shuttle or public transportation as their primary method of transportation :**

22

**The percentage (0-100) of institution's students who use a motorcycle, scooter or moped as their primary method of transportation :**

1

**The website URL where information about alternative transportation is available :**

<http://sustainability.ucsd.edu/initiatives/transportation-alternatives.html>

# Employee Commute Modal Split

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## Responsible Party

**Curt Lutz**

Parking & Transportation Analyst

Parking & Transportation

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## Criteria

Institution's employees (faculty, staff, and administrators) commute to and from campus using more sustainable options such as walking, bicycling, vanpooling or carpooling, taking public transportation, riding motorcycles or scooters, riding a campus shuttle, or a combination of these options. Employees who live on campus should be included in the calculation based on how they get to and from their workplace.

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### Submission Note:

The data available for campus commute modal split does not distinguish between students, staff, and faculty.

UC San Diego can best ensure accuracy by reporting metrics currently tracked by Transportation Services, which meticulously documents the total number of commuters during its annual survey of pedestrian and vehicle traffic.

This survey focuses on tracking all commuter data for transportation and greenhouse gas purposes, but it does not distinguish between student, faculty, staff or campus visitors. Over a decade of data has been collected in this manner and demonstrates a significant increase in alternative transportation usage by commuters. The percentages provided are the most precise representation of UC San Diego commuters currently available.

*"---" indicates that no data was submitted for this field*

**The percentage (0-100) of institution's employees that use more sustainable commuting options :**

58

**The percentage (0-100) of institution's employees who commute with only the driver in the vehicle (excluding motorcycles and scooters) as their primary method of transportation :**

42

**The percentage (0-100) of institution's employees who walk, bicycle, or use other non-motorized means as their primary method of transportation. Please note that this may include on-campus residents :**

9

**The percentage (0-100) of institution's employees who vanpool or carpool as their primary method of transportation :**

26

**The percentage (0-100) of institution's employees who take a campus shuttle or public transportation as their primary method of transportation :**

22

**The percentage (0-100) of institution's employees who use a motorcycle, scooter, or moped as their primary method of transportation :**

1

**The website URL where information about alternative transportation is available :**

<http://sustainability.ucsd.edu/initiatives/transportation-alternatives.html>

# Bicycle Sharing

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## Responsible Party

**Todd Berven**

Parking & Transportation Supervisor

Parking & Transportation

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*"---" indicates that no data was submitted for this field*

### **Does the institution have a bicycle-sharing program or participate in a local bicycle-sharing program? :**

Yes

### **A brief description of the program, including an indication of its scope (e.g., the number of bicycles the program makes available, participation levels, etc.) :**

The Triton Bikes recycled bike program offers 86 free, short-term loaner bicycles, with goals to increase to 100 bikes. Students, faculty, and staff can check out a free, refurbished bike to ride on campus, or sponsor one or more bikes for departments' use. In 2010, an additional bike repair vendor was added to help expedite the process of completing bikes and making them available to the public.

### **The website URL where information about the program, policy, or practice is available :**

<http://iRide.ucsd.edu/>

# Facilities for Bicyclists

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## Responsible Party

**Todd Berven**

Parking & Transportation Supervisor

Parking & Transportation

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*"---" indicates that no data was submitted for this field*

### **Does the institution have indoor and secure bike storage, shower facilities, and lockers for bicycle commuters in at least one building? :**

Yes

### **A brief description of the facilities :**

The UC San Diego Pedal Club, which has over 250 members, encourages and promotes bicycle commuting to and from campus. Club Members receive free helmets, free occasional use parking permits, free shower and locker access, safety training, Zipcar membership, and emergency rides home.

UC San Diego encourages students, staff, and faculty to bike to campus as an alternative to driving. UC San Diego transforms bikes abandoned at UC San Diego into a convenient and free campus transportation alternative. The refurbished bikes emerge bright yellow, sporting a Triton Bikes logo and equipped with wire baskets and locks. Departments or campus organizations can host Triton Bikes for the exclusive use of their members.

### **The website URL where information about the program, policy, or practice is available :**

<http://blink.ucsd.edu/facilities/transportation/commuting/bicyclists/index.html#General-bicycling-resources>

# Bicycle and Pedestrian Plan

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## Responsible Party

**Todd Berven**

Parking & Transportation Supervisor

Parking & Transportation

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*"---" indicates that no data was submitted for this field*

## Has the institution developed a bicycle plan? :

Yes

## A brief description of the plan :

The Chancellor, on behalf of The Regents of the University of California, is authorized pursuant to sections 21113(f), 21200, 39002, and 39004 of the California Vehicle Code to set forth conditions and regulations pertaining to the operation and parking of vehicles and bicycles upon the grounds of the University. Violations may be enforced by warnings, impoundment, citations, and fines. All regulations can be seen here:

<http://adminrecords.ucsd.edu/ppm/docs/270-3.HTML>

## The website URL where information about the plan is available :

<http://adminrecords.ucsd.edu/ppm/docs/270-3.HTML>

# Mass Transit Programs

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## Responsible Party

**Todd Berven**

Parking & Transportation Supervisor

Parking & Transportation

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*"---" indicates that no data was submitted for this field*

## Does the institution offer free or reduced price transit passes and/or operate a free campus shuttle? :

Yes

## A brief description of the program(s), (s), including availability, participation levels, and specifics about discounts or subsidies offered (including pre-tax options) :

UC San Diego Transportation Services spends over \$1 million annually to subsidize the UC San Diego Bus Zone. All transit bus routes serving UC San Diego are free with a Bus Zone sticker on valid UC San Diego ID. Also, reduced-rate regional transit passes are available at the Commute Solutions office. Transit and Coaster clubs offer incentives to public transit riders who purchase monthly passes through payroll deduction.

## The website URL where information about the program is available :

<http://blink.ucsd.edu/facilities/transportation/commuting/solutions/index.html>

## Condensed Work Week

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### Responsible Party

**Thomas Leet**

Assistant Vice Chancellor  
External & Business Affairs

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*"---" indicates that no data was submitted for this field*

**Does the institution offer a condensed work week option for employees? The institution does not have to offer the option to all employees in order to earn this credit. :**

Yes

### **A brief description of the program :**

UC San Diego offers a variety of flexible work arrangements, depending on the needs of the workplace and the individuals doing the work. UC San Diego defines flexible work arrangements as any other work schedules other than the traditional 8 a.m. – 4:30 p.m. on weekdays. Flexible work arrangements can include alternative workdays, telecommuting, compressed work week or job sharing.

### **The website URL where information about the program is available :**

<http://blink.ucsd.edu/HR/benefits/work-life/quality-index/flexible.html>

# Telecommuting

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## Responsible Party

**Thomas Leet**  
Assistant Vice Chancellor  
External & Business Affairs

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*"---" indicates that no data was submitted for this field*

### **Does the institution offer a telecommute program for employees? :**

Yes

### **A brief description of the program :**

UC San Diego offers a variety of flexible work arrangements, depending on the needs of the workplace and the individuals doing the work. UC San Diego defines telecommuting as a work arrangement in which the employee performs some or all assigned job duties at home. The employee and supervisor may communicate by e-mail, phone, modem, fax, or pager.

### **The website URL where information about the program is available :**

<http://blink.ucsd.edu/HR/benefits/work-life/quality-index/flexible.html>

## Carpool/Vanpool Matching

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**Responsible Party**

**Todd Berven**

Parking & Transportation Supervisor

Parking & Transportation

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*"---" indicates that no data was submitted for this field*

**Does the institution participate in a carpool/vanpool matching program? :**

Yes

**A brief description of the program :**

UC San Diego utilizes Zimride, a ride-matching service provider and a supplier of planned to leverage social networking.

**The website URL where information about the program is available :**

<http://zimride.ucsd.edu/>

## Cash-out of Parking

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**Responsible Party**

**Todd Berven**

Parking & Transportation Supervisor

Parking & Transportation

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This credit was marked as **Not Pursuing** so Reporting Fields will not be displayed.

# Carpool Discount

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## Responsible Party

**Dave Weil**

Director of Building Commissioning and Sustainability  
Facilities Management

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*"---" indicates that no data was submitted for this field*

### **Does the institution offer reduced parking fees for car and van poolers? :**

Yes

### **A brief description of the program :**

Carpools with three or more members receive an access sticker to park in reserved carpool spaces. These passes cut the cost of parking and commuting as compared to SOV commuters.

UC San Diego provides an occasional use permit to individuals that carpool. This program allows individuals to park their own cars if necessary.

### **The website URL where information about the program is available :**

<http://blink.ucsd.edu/facilities/transportation/commuting/solutions/carpools.html#What-are-the-incentives?>

**Responsible Party**

**Todd Berven**

Parking & Transportation Supervisor

Parking & Transportation

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*"---" indicates that no data was submitted for this field*

**Does the institution have incentives or programs to encourage employees to live close to campus? :**

Yes

**A brief description of the incentives or programs :**

By living close to campus, students, staff, and faculty can take advantage of free MTS bus passes and shuttles and discount tickets for other transit sources by UC San Diego.

Additionally, quarterly parking fees are often a reason many individuals opt to live near the campus and walk or take the local shuttle to UCSD.

**The website URL where information about the incentives or programs is available :**

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## Prohibiting Idling

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### Responsible Party

**Todd Berven**

Parking & Transportation Supervisor

Parking & Transportation

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*"---" indicates that no data was submitted for this field*

### Has the institution adopted a policy prohibiting idling? :

No

### A brief description of the policy :

California Air Resource Board legislation prohibits idling in the state of CA.

### The website URL where information about the policy is available :

[http://www.atri-online.org/research/results/idling\\_chart.pdf](http://www.atri-online.org/research/results/idling_chart.pdf)

## Car Sharing

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### Responsible Party

**Todd Berven**

Parking & Transportation Supervisor

Parking & Transportation

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*"---" indicates that no data was submitted for this field*

### Does the institution participate in a car sharing program, such as ZipCar or HourCar? :

Yes

### A brief description of the program :

There are currently 8 vehicles on campus and 4 at the Hillcrest Medical Center available to UC San Diego faculty, staff, and students for Zipcar carsharing. The hourly rate includes gas and insurance at no additional cost. Reservations can be made on-line or over the telephone.

Additionally, Getaround Car Sharing is promoted on campus which encourages car sharing as well. To learn more, visit

<http://www.getaround.com/>

### The website URL where information about the program, policy, or practice is available :

<http://blink.ucsd.edu/facilities/transportation/commuting/solutions/zipcar.html>

# Waste

This subcategory seeks to recognize institutions that are moving toward zero waste by reducing, reusing, recycling, and composting. These actions mitigate the need to extract virgin materials, such as trees and metals. It generally takes less energy and water to make a product with recycled material than with virgin resources. Reducing waste generation also reduces the flow of waste to incinerators and landfills which produce greenhouse gas emissions, can contaminate air and groundwater supplies, and tend to have disproportionate negative impacts on low-income communities. Waste reduction and diversion also save institutions costly landfill and hauling service fees. In addition, waste reduction campaigns can engage the entire campus community in contributing to a tangible sustainability goal.

<b>Credit</b>
Waste Reduction
Waste Diversion
Construction and Demolition Waste Diversion
Electronic Waste Recycling Program
Hazardous Waste Management
Materials Exchange
Limiting Printing
Materials Online
Chemical Reuse Inventory
Move-In Waste Reduction
Move-Out Waste Reduction

# Waste Reduction

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## Responsible Party

**Alonso Noble**  
Assistant Superintendent  
Facilities Management

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## Criteria

Institution has implemented source reduction strategies to reduce total waste generation (garbage, recycling, and compost) per weighted campus user compared to a 2005 baseline.

Total waste generation includes all materials recycled, composted, and disposed of as trash except construction, demolition, electronic, hazardous, special (e.g. coal ash), universal and non-regulated chemical waste, which are covered in *OP Credit 19: Construction and Demolition Waste Diversion*, *OP Credit 20: Electronic Waste Recycling Program*, and *OP Credit 21: Hazardous Materials Management*.

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## Submission Note:

The on-campus resident numbers include students, faculty, and staff. The number of full-time, non-residential/commuter student, faculty, and staff members includes total of full-time and part-time students, faculty, and staff members because part-time population data is unavailable. The part-time, non-residential/commuter students, faculty, and staff members is not available because no part-time population data is available.

“As various methods are used for calculating annual staff, faculty and student populations, previous answers to STARS commuter questions contained totals that represented two different methodologies for calculating commuter data. UC San Diego can best ensure accuracy by reporting metrics currently tracked by Transportation Services, which meticulously documents the total number of commuters during its annual survey of pedestrian and vehicle traffic.

This survey focuses on tracking all commuter data for transportation and greenhouse gas purposes, but it does not distinguish between student, faculty, staff or campus visitors. Over a decade of data has been collected in this manner and demonstrates a significant increase in alternative transportation usage by commuters. The updated number is the most precise representation of UC San Diego commuters currently available.

•<http://parking.ucsd.edu/survey/Survey%20of%20Pedestrian%20and%20Vehicular%20Traffic/Annual%20Tables/Contents.html>

[http://blink.ucsd.edu/\\_files/sponsor-tab/alt-trans-chart.pdf](http://blink.ucsd.edu/_files/sponsor-tab/alt-trans-chart.pdf)

"---" indicates that no data was submitted for this field

## Weight of materials recycled, 2005 baseline year :

2918 Tons

**Weight of materials composted, 2005 baseline year :**

0 Tons

**Weight of materials disposed as garbage, 2005 baseline year :**

6264 Tons

**Weight of materials recycled, performance year :**

8300 Tons

**Weight of materials composted, performance year :**

0 Tons

**Weight of materials disposed as garbage, performance year :**

7016 Tons

**List the start and end dates of the waste reduction performance year :**

2010-2011

**On-campus residents, 2005 :**

8724

**Non-residential/commuter full-time students, faculty, and staff members, 2005 :**

48786

**Non-residential/commuter part-time students, faculty, and staff members, 2005 :**

0

**On-campus residents, performance year :**

10718

**Non-residential/commuter full-time students, faculty, and staff members, performance year :**

53420

**Non-residential/commuter part-time students, faculty, and staff members, performance year :**

0

**Time period for weighted campus user (list the consecutive 12 month period that most closely overlaps with waste reduction performance year) :**

2010

**Indication of whether institution has a stated commitment to waste-reduction goals, such as zero waste :**

Yes

**A brief description of the plan of action to achieve waste reduction goals :**

The Campus Climate Action Plan has an entire section devoted to the relevant actions associated with achieving our zero-waste goal by 2020.

**The website URL where information about the institution's waste reduction initiatives is available :**

<http://sustainability.ucsd.edu/initiatives/waste-diversion.html>

# Waste Diversion

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## Responsible Party

**Alonso Noble**  
Assistant Superintendent  
Facilities Management

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## Criteria

Institution diverts materials from the landfill or incinerator by recycling, composting, reusing, donating, or re-selling.

This credit does not include construction, demolition, electronic, hazardous, special (e.g. coal ash), universal and non-regulated chemical waste, which are covered in *OP Credit 19: Construction and Demolition Waste Diversion*, *OP Credit 20: Electronic Waste Recycling Program*, and *OP Credit 21: Hazardous Materials Management*.

---

"---" indicates that no data was submitted for this field

## Materials recycled, composted, reused, donated, re-sold, or otherwise diverted :

8300 Tons

## Materials disposed in a solid waste landfill or incinerator :

7016 Tons

## A brief description of programs, policies, infrastructure investments, outreach efforts, and/or other factors that contributed to the diversion rate :

The total campus diversion rate includes metal (scrap, bi-metal and aluminum) plastics 1-2, cardboard, mixed and white paper, landscape waste, furniture, small appliances and clothing from student move-outs, books, electronic and universal waste, pallets and other dimensional lumber, office furniture, non-perishable food items. All other material that cannot be recycled in the single-stream recycling program, e-waste recycling, donated, resold or re-used. UC San Diego does not incinerate waste.

# Construction and Demolition Waste Diversion

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## Responsible Party

**Alonso Noble**  
Assistant Superintendent  
Facilities Management

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## Criteria

Institution diverts non-hazardous construction and demolition waste from the landfill and/or incinerator.

Soil and organic debris from excavating or clearing the site do not count for this credit.

---

"---" indicates that no data was submitted for this field

## Amount of construction and demolition materials recycled, donated, or otherwise recovered :

4087.76 Tons

## Amount of construction and demolition materials landfilled or incinerated :

4943.28 Tons

## A brief description of programs, policies, infrastructure investments, outreach efforts, and/or other factors that contribute to the diversion rate for construction and demolition waste :

UC San Diego's Climate Action Plan has committed to meeting the following UCOP waste goals:

1. 50% waste diversion by June 30, 2008
2. 75% waste diversion by June 30, 2012
3. Zero waste by 2020

UC San Diego is constantly seeking avenues to reduce waste on campus and expand our recycling program and use of recycled products. In our application for previous years we have highlighted many of our waste reduction and reuse effort, which are briefly outlined below:

On site use of mulch produced on our grounds

On site composting

Reclamation of carpet

Resale of surplus electronics

Oil Collection for re-refining

Utilizing retreaded tires on campus shuttles

Reuse of packing materials for packaging customer orders on campus

Donation of furniture, electronics and non-perishable food to charitable organizations upon student move out

Encourage reuse over recycling by utilizing plates and cutlery that are not disposable

Cash incentives for the use of reusable mugs

Copiers are defaulted to double sided printing for all of Business Affairs

Discontinued use of disposable plastic bags at The UC San Diego Bookstore

While many programs have been in place for previous application periods enhancements are constantly being considered and implemented for our programs. For instance, in the past china plates and cutlery were available for sit down dining; however this year the program was expended to include students who wished to take their meals back to their residence hall. Receptacles are now available to deposit these materials for collection in the residence halls and return them to dining facilities. In the first year of the program Housing\*Dining\*Hospitality reduced waste disposal by 46 tons over the previous year. There are “compostable” disposable options, but there is a surcharge for using them. We find almost all students opting for the reusable option. In 2009 we also implemented the use of Dyson hand dryers to reduce the use of paper towels on campus. The trash waste alone decreased by 512 tons from 2008 to 2009.

# Electronic Waste Recycling Program

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## Responsible Party

**Alonso Noble**  
Assistant Superintendent  
Facilities Management

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## Criteria

### *Part 1*

Institution has a program in place to recycle, reuse, and/or refurbish all electronic waste generated by the institution. Institution takes measures to ensure that the electronic waste is recycled responsibly.

### *Part 2*

Institution has a program in place to recycle, reuse, and/or refurbish electronic waste generated by students. Institution takes measures to ensure that the electronic waste is recycled responsibly.

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"---" indicates that no data was submitted for this field

**Does the institution have a program in place to recycle, reuse, and/or refurbish all electronic waste generated by the institution and take measures to ensure that the electronic waste is recycled responsibly? :**

Yes

**Does the institution have a program in place to recycle, reuse, and/or refurbish electronic waste generated by students and take measures to ensure that the electronic waste is recycled responsibly? :**

Yes

**A brief description of steps taken to ensure that e-waste is recycled responsibly, workers' basic safety is protected, and environmental standards are met :**

A list of how to dispose of campus-generated wastes properly is provided by Environmental Health and Safety at

<http://blink.ucsd.edu/safety/research-lab/hazardous-waste/electronics.html>

For example, the website states that "Federal and state laws prohibit disposal of universal wastes, including electronic devices (e-waste), in the regular trash. Universal wastes generated at UC San Diego are collected by the Environmental Management Facility for recycling or disposal as hazardous waste. If your waste is not campus-generated, see Privately owned universal wastes below for city and county disposal options."

**A brief description of the electronic waste recycling program for institution-generated materials :**

To dispose of monitors, televisions, and other electronic devices owned by UC San Diego, see How to Send Equipment to Surplus Sales..

**A brief description of the electronic waste recycling program for student-generated materials :**

Housing and dining Services has developed a web site that gives resident students specific information on how to recycle electronic items within their residence halls or apartment community with links to pictures and maps.

**The website URL where information about the e-waste recycling program is available :**

<http://blink.ucsd.edu/safety/research-lab/hazardous-waste/electronics.html>

# Hazardous Waste Management

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## Responsible Party

**Julie Hampel**

Manager Environmental Affairs

Environment Health & Safety

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## Criteria

Institution has strategies in place to safely dispose of all hazardous, special (e.g. coal ash), universal, and non-regulated chemical waste and seeks to minimize the presence of these materials on campus.

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*"---" indicates that no data was submitted for this field*

**Does the institution have strategies in place to safely dispose of all hazardous, special (e.g. coal ash), universal, and non-regulated chemical waste and seek to minimize the presence of these materials on campus? :**

Yes

**A brief description of steps taken to reduce hazardous, special (e.g. coal ash), universal, and non-regulated chemical waste :**

UC San Diego's Environmental Health & Safety provides training and information about ways to reduce and recycle hazardous, universal, and non-regulated chemical waste.

**A brief description of how the institution safely disposes of hazardous, universal, and non-regulated chemical waste :**

All UC campuses use only TSDFs that have been audited by UC or CHWMEG.

UC San Diego Environmental Health & Safety provides information about the safe handling, storage, and disposal of various types of hazardous waste on their website. On the website, one can find more information on Waste Generator Numbers (WGN), Waste tags/ Online Tag Program (OTP), Waste collection, Asbestos, Biohazardous waste, Chemical waste, Controlled substances, Radioactive waste, Sharps Universal and e-waste, What can go down the drain, Household hazardous waste, Recycling Training.

**The website URL where information about hazardous materials management is available :**

<http://blink.ucsd.edu/safety/research-lab/index.html#Hazardous-waste>

# Materials Exchange

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## Responsible Party

**Alonso Noble**

Assistant Superintendent

Facilities Management

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*"---" indicates that no data was submitted for this field*

### **Does the institution have a surplus department or formal office supplies exchange program that facilitates reuse of materials? :**

Yes

### **A brief description of the program :**

The UC San Diego Surplus Sales Store serves as an outlet to reutilize, liquidate, recycle and dispose of excess university property. UC San department buyers and the general public are welcome to purchase items from Surplus Sales. UC San Diego Surplus Sales also offers recycling services to UC San Diego Departments for metals, electronics, CRT / LCD monitors, and refrigeration equipment. University owned material can be sent to Surplus Sales. The department will receive between 65% and 75% of the proceeds for any of their items sold for \$50 or more.

### **The website URL where information about the program is available :**

<http://surplus.ucsd.edu/>

# Limiting Printing

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## Responsible Party

**Kristin Hansen**  
Sustainability Analyst  
Auxiliary & Plant Services

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"---" indicates that no data was submitted for this field

### Does the institution limit free printing for students in all computer labs and libraries? :

Yes

### A brief description of how printing is limited :

Print on Demand practices are promoted across the campus-printing only what is needed. As an example, course readers are printed in limited quantities at the beginning of each quarter and stocked on Bookstore shelves. Rain checks are issued for all requests above the initial quantity and printed for next day pickup. Departmental multifunctional systems are all duplex capable with scan to email as a standard configuration to promote and assist in digitization of paper documents. Self-service printing in libraries and in service centers is all on a cost recovery basis; there is no wasteful "free" printing.

Several paper saving initiatives are listed on [sustain.ucsd.edu](http://sustain.ucsd.edu) in the How You Can Help Promote Sustainability section (

<http://sustainability.ucsd.edu/involve/promote-sustainability.html>

).

### The website URL where information about the program, policy, or practice is available :

<http://blink.ucsd.edu/facilities/services/green/imprints.html>

## Responsible Party

**Kristin Hansen**  
Sustainability Analyst  
Auxiliary & Plant Services

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"---" indicates that no data was submitted for this field

### **Is the institution's default not to print course catalogs, course schedules, and directories, but instead make these materials available online? :**

Yes

### **A brief description of the practice :**

Faculty utilize UC San Diego's own learning management system, WebCT, to place class materials online that would otherwise be printed such as syllabi and assignments. Students also upload assignments electronically to WebCT and

[Turnitin.com](http://Turnitin.com)

. These initiatives save reams of paper every year.

UC San Diego course catalogs are available for download online at

<http://bookstore.ucsd.edu/launch/coursecatalog.htm>

### **The website URL where information about the practice is available :**

<http://webct.ucsd.edu/>

# Chemical Reuse Inventory

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## Responsible Party

**Julie Hampel**

Manager Environmental Affairs

Environment Health & Safety

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*"---" indicates that no data was submitted for this field*

## Has the institution implemented a campus-wide inventory system to facilitate the reuse of laboratory chemicals? :

Yes

## A brief description of the program :

ChemCycle is UC San Diego's chemical recycling facility operated by Environment, Health & Safety (EH&S). UC San Diego researchers can obtain free chemicals and donate usable surplus chemicals.

## The website URL where information about the practice is available :

<http://blink.ucsd.edu/safety/research-lab/hazardous-waste/chemcycle.html>

## Move-In Waste Reduction

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**Responsible Party**

**Krista Mays**  
Sustainability Manager  
Housing

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*"---" indicates that no data was submitted for this field*

**Does the institution have a program to reduce residence hall move-in waste? :**

Yes

**A brief description of the program :**

Additional recycling containers are sited in housing areas with signage directing students to deposit their recycling in the appropriate bins.

**The website URL where information about the program is available :**

<http://hds.ucsd.edu/majorplanet/default.asp>

# Move-Out Waste Reduction

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## Responsible Party

**Krista Mays**  
Sustainability Manager  
Housing

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*"---" indicates that no data was submitted for this field*

### **Does the institution have a program to reduce residence hall move-out waste? :**

Yes

### **A brief description of the program :**

"Zero waste" was the target for the move outs. Food donation bins and general donation bins, extra recycling bins including electronics recycling are situated throughout Housing areas. Meetings are held with resident groups and all Resident Advisors to encourage their students to think before they dump. Educational video was developed by the EcoNauts and distributed thru the Resident Life offices.

### **The website URL where information about the program is available :**

<http://hdh.ucsd.edu/majorplanet/>

# Water

This subcategory seeks to recognize institutions that are conserving water and making efforts to protect water quality. Pumping, delivering, and treating water is a major energy user, so institutions can help reduce energy consumption and the greenhouse gas emissions associated with energy generation by conserving water. Likewise, conservation and effective stormwater management are important in maintaining and protecting finite groundwater supplies. Water conservation and effective stormwater management also reduce the need for effluent discharge into local surface water supplies, which helps improve the health of local water ecosystems.

<b>Credit</b>
Water Consumption
Stormwater Management
Waterless Urinals
Building Water Metering
Non-Potable Water Usage
Xeriscaping
Weather-Informed Irrigation

# Water Consumption

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## Responsible Party

**Michelle Perez**

Sustainability Analyst

Facilities Management

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## Criteria

Institution has reduced its total water consumption per weighted campus user compared to a 2005 baseline.

Total water consumption includes both potable and non-potable water.

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### Submission Note:

The on-campus resident numbers include students, faculty, and staff. The number of full-time, non-residential/commuter student, faculty, and staff members includes total of full-time and part-time students, faculty, and staff members because no part-time population data is available. The part-time, non-residential/commuter students, faculty, and staff members is not available because not part-time population data is available.

•<http://parking.ucsd.edu/survey/Survey%20of%20Pedestrian%20and%20Vehicular%20Traffic/Annual%20Tables/Contents.html>

[http://blink.ucsd.edu/\\_files/sponsor-tab/alt-trans-chart.pdf](http://blink.ucsd.edu/_files/sponsor-tab/alt-trans-chart.pdf)

"---" indicates that no data was submitted for this field

### Water consumption, 2005 baseline year :

637548076 Gallons

### Water consumption, performance year :

622322536 Gallons

### List the start and end dates of the water consumption performance year :

January 1, 2011 to December 31, 2011

### On-campus residents, 2005 :

8724

### Non-residential/commuter full-time students, faculty, and staff members, 2005 :

48786

**Non-residential/commuter part-time students, faculty, and staff members, 2005 :**

0

**On-campus residents, performance year :**

10718

**Non-residential/commuter full-time students, faculty, and staff members, performance year :**

53420

**Non-residential/commuter part-time students, faculty, and staff members, performance year :**

0

**Time period for weighted campus user (list the consecutive 12 month period that most closely overlaps with water consumption performance year) :**

January 1, 2011 to December 31, 2011

**Indication of whether institution has a stated commitment to water use reduction goals :**

Yes

**A brief description of the plan of action to achieve water use reduction goals :**

As described in the campus Climate Action Plan, UCSD is committed to reducing overall water consumption by 4% per year while increasing usage of reclaimed potable water, when possible. The campus has also committed to sub-metering 100% of buildings and landscaping for water usage. To accomplish these commitments, included in the Climate Action Plan are 14 action items ranging from water system retrofits to behavior change initiatives.

**The website URL where information about the institution's water conservation initiatives is available :**

<http://ucsd.edu/conserwater/suggestions/index.html>

# Stormwater Management

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## Responsible Party

**Kimberly O'Connell**

Environmental Specialist  
Environment Health & Safety

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## Criteria

### *Part 1*

Institution has adopted a stormwater management policy, plan, and/or strategies that mitigate the stormwater runoff impacts of new construction, major renovation, and other projects that increase paved surface area on campus or otherwise significantly change the campus grounds.

The policy, plan, and/or strategies address both the quantity and quality (or contamination level) of stormwater runoff.

The policy, plan, and/or strategies cover the entire campus. While the specific strategies or practices adopted may vary depending on project type and location, this credit is reserved for institutions that mitigate stormwater runoff impacts consistently during new construction. Implementing a strategy or strategies for only one new development project is not sufficient for this credit.

Policies adopted by entities of which the institution is part (e.g. state government or the university system) may count for this credit as long as the policies apply to and are followed by the institution.

### *Part 2*

Institution has adopted a stormwater management policy, plan, or strategies that mitigate the stormwater runoff impacts of ongoing campus operations.

The policy, plan, or strategies address both the quantity and quality (or contamination level) of stormwater runoff.

Though specific practices adopted may vary across the campus, the policy, plan, and/or strategies cover the entire institution. Implementing strategies for only one building or area of campus is not sufficient for this credit.

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*"---" indicates that no data was submitted for this field*

**Does the institution have a policy, plan, and/or strategies to reduce stormwater runoff from new development projects? :**

Yes

**Does the institution have a policy, plan, and/or strategies to reduce stormwater runoff from ongoing campus operations? :**

Yes

**A brief description of the institution's stormwater management initiatives :**

UC San Diego implements a storm water management program on campus that includes: (1) storm drain markers so students, staff, faculty, and the public are aware that they discharge directly to the ocean and that only storm water should go down the drains; (2) a “Best Management Practices” handbook for outdoor work activities to prevent pollutants from going into storm drains and into the ocean; (3) training/outreach on storm water pollution prevention; (4) innovative engineering controls such as ecology embankments/media filters at Scripps Institution of Oceanography to remove pollutants from storm water run-off before it goes onto the beach and to prevent dry weather flows such as irrigation run-off or wash water from going into storm drains; and (5) spill prevention and response resources (spill kits) and training to prevent an outdoor spill from going into a storm drain. UC San Diego has also formed valuable partnerships with Urban Corps of San Diego, San Diego Coastkeeper, the City of San Diego, Miocean, and the State Water Resources Control Board to implement multiple storm water pollution prevention projects to protect our ocean resources.

**The website URL where information about the institution's stormwater management initiatives, plan or policy is available :**

<http://blink.ucsd.edu/safety/environment/outdoor/storm/>

**Does the institution have a living or vegetated roof? :**

Yes

**A brief description of the institution's living or vegetated roof :**

UC San Diego’s Geisel Library has potted plants on portions of the roof. The first floor of the library is below ground, so the roof of this first floor includes impervious paved pedestrian pathways as well as pervious surfaces such as grass and native and non-native planted areas.

**Does the institution have porous paving? :**

No

**A brief description of the institution's porous paving :**

UC San Diego has plans to install porous pavement in the future, but does not have a current installation of such paving.

**Does the institution have retention ponds? :**

No

**A brief description of the institution's retention ponds :**

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**Does the institution have stone swales? :**

Yes

**A brief description of the institution's stone swales :**

Biofiltration landscaping that includes rocks has been installed at selected parking lots and storm drain inlets at Scripps Institute of Oceanography to capture non-storm water discharges and to reduce peak flows and treat storm water discharges.

**Does the institution have vegetated swales? :**

Yes

**A brief description of the institution's vegetated swales :**

UC San Diego is implementing management measures to eliminate dry weather flow discharges and measurably reduce pollutants of concern (heavy metals, organics, bacteria, and sediment) in urban and storm water runoff that discharge into the ocean. The source and site controls include: (1) wash racks, dry weather flow diversions, and sewer connections to eliminate the discharge of non-stormwater run-off into storm drains; (2) pollution prevention controls for outdoor material storage areas; (3) erosion and sediment controls; (4) roof runoff controls; and (5) innovative ecology embankment/media filter systems. The ecology embankment/media filters are linear, flow-through storm water treatment systems that use natural processes to remove total suspended solids, organics, bacteria, oil & grease, and metals, as well as infiltrate dry weather flows, eliminating this type of discharge onto the beach. These sustainable systems are completely passive (requires no energy or mechanical treatment) and use native vegetation for evaporation-transpiration of water.

**Does the institution employ any other technologies or strategies for stormwater management? :**

No

**A brief description of other technologies or strategies for stormwater management employed :**

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# Waterless Urinals

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## Responsible Party

**Michelle Perez**

Sustainability Analyst

Facilities Management

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*"---" indicates that no data was submitted for this field*

### **Does the institution use at least one waterless urinal? :**

Yes

### **A brief description of the technology employed :**

UC San Diego currently has two new buildings with waterless urinals. All new construction requires installation of water efficient fixtures. Additionally, UC San Diego was able to complete several low flow cost retrofit projects that have already provided significant water savings. One of these projects was the Campus Service Complex plumbing system retrofits. Maintenance crews changed toilet valve mechanisms to reduced-flow devices, installed an ultra-low flow urinal, mechanically reduced gang sink water flow and installed aerators on all bathroom and kitchen sinks in the complex. These retrofits improved overall Campus Services Complex water efficiency by 7%.

### **The website URL where information about the technology is available :**

<http://ucsd.edu/conserwater/>

# Building Water Metering

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## Responsible Party

**Michelle Perez**

Sustainability Analyst

Facilities Management

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*"---" indicates that no data was submitted for this field*

## Does the institution have building-level water consumption meters for at least one building? :

Yes

## A brief description of the water metering employed :

Currently, there are four main meters at UC San Diego, with two on the main campus and two on the Scripps Institute of Oceanography campus. There are 383 sub-meters on campus. New construction is mandated to have water metering.

## The percentage of building space with water metering :

55

## The website URL where information about the practice is available :

<http://ucsd.edu/conserwater/>

# Non-Potable Water Usage

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## Responsible Party

**Michelle Perez**

Sustainability Analyst

Facilities Management

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*"---" indicates that no data was submitted for this field*

### **Does the institution use non-potable water (e.g., harvested rainwater or graywater) for irrigation and/or other applications? :**

Yes

### **A brief description of the source of non-potable water and how it is used :**

With each new construction, landscape piping for reclaimed water is installed as well as water-wise plants. Approximately 30% of campus irrigation uses reclaimed water.

Additionally, UC San Diego has retrofitted nearly 7,900 standard sprinklers with high efficiency rotating nozzles saving nearly 10.3M gals and \$82,000/year. New controllers save an additional 55Mgals/yr.

### **The percentage of irrigation water usage from recovered, reclaimed or untreated sources :**

30

### **The percentage of building space using water from recovered, reclaimed or untreated sources :**

1

### **The percentage of water used in utility plants from recovered, reclaimed or untreated sources :**

0

### **The website URL where information about the program, policy, or practice is available :**

<http://ucsd.edu/conservewater/>

**Responsible Party**

**Michelle Perez**

Sustainability Analyst

Facilities Management

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*"---" indicates that no data was submitted for this field*

**Does the institution use xeriscape landscaping techniques, including the selection of drought tolerant plants? :**

Yes

**A brief description of the program or practice :**

Planting low-water-use, native, and drought-tolerant plants in 75% of the irrigated campus landscape has enabled the campus to greatly reduce water usage for landscaping.

According to UCOP Programs, "Through environmentally sensitive landscape management, UC is improving water and soil quality, conserving water, and promoting biological diversity. Practices such as integrated pest management, habitat restoration projects, campus gardens, and xeriscaping reduce environmental impacts, save money and enhance the educational value of UC campus lands."

<http://www.universityofcalifornia.edu/sustainability/ecosystem.html>

Additionally, the UC San Diego Climate Action Plan states "Replacing non-native plants with species that naturally require less water is a simple way to reduce water usage while still providing landscaping across the campus. This action applies to non-turf areas that are planted with non-native species."

**The website URL where information about the program or practice is available :**

<http://blink.ucsd.edu/facilities/management/landscaping/index.html>

# Weather-Informed Irrigation

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## Responsible Party

**Michelle Perez**

Sustainability Analyst

Facilities Management

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*"---" indicates that no data was submitted for this field*

## Does the institution use weather data or weather sensors to automatically adjust irrigation practices? :

Yes

## A brief description of how weather data or sensors are used :

One of UC San Diego's ongoing initiatives include irrigation control using campus central weather station data such as temperature and relative humidity to help control watering. Also, parts of the irrigation system are connected to the UC San Diego "Decision Making using Real-time Observations for Environmental Sustainability" (DEMROES) system for improved control based on campus microclimate data and soil moisture information.

## The website URL where information about the practice is available :

<http://maeresearch.ucsd.edu/kleissl/demroes/>

# Planning, Administration & Engagement

## Coordination and Planning

This subcategory seeks to recognize colleges and universities that are institutionalizing sustainability by dedicating resources to sustainability coordination, incorporating sustainability into their primary campus plans, and developing plans to move towards sustainability. Staff and other resources help an institution organize, implement, and publicize sustainability initiatives. These resources provide the infrastructure that fosters sustainability within an institution. Strategic and physical campus plans guide an institution and its physical development. These important documents establish an institution's priorities and influence budgeting and decision making. Incorporating sustainability into these plans is an important step in making sustainability a campus priority and may help advocates implement sustainable changes. Sustainability plans and climate plans provide a road map for how to achieve sustainability goals.

<b>Credit</b>
Sustainability Coordination
Strategic Plan
Physical Campus Plan
Sustainability Plan
Climate Action Plan

# Sustainability Coordination

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## Responsible Party

**Dave Weil**

Director of Building Commissioning and Sustainability  
Facilities Management

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## Criteria

Institution has a sustainability committee, office, and/or coordinator that are tasked by the administration or board of trustees to advise on and implement policies and programs related to sustainability on campus.

The committee, office, and/or coordinator focus on sustainability broadly (i.e. not just one sustainability issue, such as climate change) and cover the entire institution. A committee, office, or coordinator that focuses on just one department or school within the institution does not count for this credit.

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*"---" indicates that no data was submitted for this field*

## Does the institution have a sustainability committee? :

Yes

## The charter or mission statement of the committee or a brief description of the committee's purview and activities :

UC San Diego has four main groups focused on overseeing campus environmental initiatives: the Chancellor's Advisory Committee on Sustainability (ACS), the Sustainable Operations and Environmental Working Group (SOWEG), the Sustainability 2.0 Task Force and the Climate Solutions Working Group (CSWG).

The purpose of ACS is to provide a forum for the academic program, facility planning, and campus operating interests in sustainability. By increasing awareness of UC San Diego's strengths in these areas, and identifying areas for further improvement, the campus continues to define itself as a leader in the earth sciences, while employing the principles of environmental stewardship in its own operations.

SOEWG is a group of campus operations and departmental stakeholders that is implementing the goals outlined in the campus Climate Action Plan, including those for reducing water use. Additionally, the SOEWG is working to ensure campus does our part as the 3rd largest water user in San Diego to reduce water use.

The Sustainability 2.0 Task Force broadly addresses the development of organizational structures for advancing the objectives of the Sustainability 2.0 Initiative. These include identifying and pursuing emerging research opportunities; capitalizing upon our campus as a "living laboratory" for promoting sustainability; and implementing strategies for attracting donor involvement and support.

CSWG, comprised of senior faculty, researchers, operational staff and administrators implements a broad range of sustainability initiatives, including management of the Climate Action Plan. Political and business leaders routinely attend the meetings of this group to discuss strategies for leveraging UC San Diego's environmental leadership.

<http://blink.ucsd.edu/sponsor/VCRMP/sustain.html>

[http://ssi.ucsd.edu/index.php?option=com\\_content&view=article&id=170&Itemid=18#top](http://ssi.ucsd.edu/index.php?option=com_content&view=article&id=170&Itemid=18#top)

## **Members of the committee, including affiliations :**

### Sustainability 2.0 Contacts:

Gary C. Matthews, Vice Chancellor Resource Management and Planning

### Academics and Research:

Tony Haymet, Director, SIO

Art Ellis, Vice Chancellor Research

Barbara Sawrey, Associate Vice Chancellor Academic Affairs

David Woodruff, Director SSI, Professor

Jane Teranes, Visiting Scholar

Elizabeth Stiles, UCSD Extension Program Representative

### Building Design and Construction:

Joel King, Project Manager

### Campus Committees:

Gary Matthews, Chair of Climate Solutions Work Group, Vice Chancellor Resource Management and Planning

David Woodruff, Chair of Advisory Committee on Sustainability, Professor

Kristin Hansen, Sustainability Contact for Advisory Committee on Sustainability, Sustainability Analyst

Julie Hamel, Co-Chair of Sustainable Operations and Environmental Work Group, Manager of Environmental Affairs

Dave Weil, Director Building Commissioning and Sustainability

### Campus Operations:

John Dilliot, Energy and Utilities Manager

Kristin Hansen, Conservation Information, Sustainability Analyst

Dave Weil, Sustainable Operations, Director Building Commissioning and Sustainability

Krista Mays, Sustainability Manager, Housing and Dining

### Media Relations:

Rex Graham, Communications Director

### Purchasing:

Ted Johnson, Director/Strategic Initiatives Procurement

### Recycling:

Alonso Nobel, Waste Diversion Specialist

Strategic Energy Initiatives:

Byron Washom, Director of Strategic Energy Initiatives

Student Groups:

Green Campus Program

Student Sustainability Collective

Social and Environmental Sustainability Committee, June Reyes

Net Impact, Lane Jost, Melanie McCutchan, Preston Sharp

Biofuels Awareness and Action Network, Melanie Zauscher

Transportation and Vehicles:

James Ruby, Fleet Manager

Don Riddle, Shuttle Supervisor

UC Office of the President:

Matthew St. Clair, Sustainability Specialist

ACS Members:

Committee Chair:

David Woodruff- Director, Sustainability Solutions Institute and Professor, Biological Sciences

Ex Officio Committee Members:

Mark Cunningham- Housing, Dining & Hospitality

Boone Hellmann- Design & Construction

Charles Kennel- Professor, Scripps Institution of Oceanography and Leadership Team, Sustainability Solutions Institute

Gary Matthews- Vice Chancellor of Resource Management & Planning

David Miller- Associate Vice Chancellor of Academic Planning & Resources, Professor Emeritus of Chemical Engineering

Helen Szkorla- Academic Affairs

Appointed Committee Members:

Monica Doyle- Staff Association Representative, Extension

Garron Engstrom- Undergraduate Representative

Matt Leslie- Graduate Representative

Dale Masterson- Staff Association Representative

Megan Moore- Graduate Representative

Daniel Tartakovsky- Faculty Representative, Professor, Mechanical and Aerospace Engineering

Staff and Consultants:

Garry Mac Pherson- Director, Environment, Health & Safety

Dave Weil- Assistant Director, Facilities Management

CSWG Members:

Committee Chair:

Gary Matthews, Vice Chancellor, Resource Management and Planning

Committee Members:

Art Ellis- Vice Chancellor, Research Services

Cara Fladd- Director, Capital Planning

Tony Haymet- Vice Chancellor and Dean, Marine Sciences and Director, Scripps Institution of Oceanography

Jerry Katzin- UC San Diego Foundation

Gary Matthews- Vice Chancellor, Resource Management & Planning

Steve Relyea- Vice Chancellor, Business Affairs

Frieder Seible- Dean, Jacobs School of Engineering

Robert Sullivan- Dean, Rady School of Management

Russell Thackston- Assistant Vice Chancellor, Auxiliary & Plant Services

Byron Washom- Director, UC San Diego Strategic Energy Initiatives

Dave Weil- Assistant Director, Facilities Management

Gabriele Wienhausen- Associate Dean for Education, Division of Biological Sciences

David Woodruff- Director, Sustainability Solutions Institute and Professor, Biological Sciences

Consultants:

Rex Graham- Senior Director, University Communications

Michelle Perez- Administrative Analyst, Facilities Management

Dave Schroeder- Director, Government Relations, Office of Research

SOEWG Members:

Committee Co-Chairs:

Julie Hampel- Environmental Manager, Facilities Management

Dave Weil- Assistant Director, Facilities Management

David Woodruff- Director, Sustainability Solutions Institute and Professor of Biological Sciences

Dave Weil- Assistant Director, Facilities Management

ACS Members:

Committee Chair:

David Woodruff- Director, Sustainability Solutions Institute and Professor, Biological Sciences

Ex Officio Committee Members:

Mark Cunningham- Housing, Dining & Hospitality

Boone Hellmann- Design & Construction

Charles Kennel- Professor, Scripps Institution of Oceanography and Leadership Team, Sustainability Solutions Institute

Gary Matthews- Vice Chancellor of Resource Management & Planning

David Miller- Associate Vice Chancellor of Academic Planning & Resources, Professor Emeritus of Chemical Engineering

Helen Szkorla- Academic Affairs

Appointed Committee Members:

Monica Doyle- Staff Association Representative, Extension

Garron Engstrom- Undergraduate Representative

Matt Leslie- Graduate Representative

Dale Masterson- Staff Association Representative

Megan Moore- Graduate Representative

Daniel Tartakovsky- Faculty Representative, Professor, Mechanical and Aerospace Engineering

Staff and Consultants:

Garry Mac Pherson- Director, Environment, Health & Safety

Dave Weil- Assistant Director, Facilities Management

**The website URL where information about the sustainability committee is available :**

[http://ssi.ucsd.edu/index.php?option=com\\_content&view=article&id=170&Itemid=18](http://ssi.ucsd.edu/index.php?option=com_content&view=article&id=170&Itemid=18)

**Does the institution have a sustainability office? :**

Yes

**A brief description of the sustainability office :**

[STARS Reporting Tool](#) | [AASHE](#) | [Sierra Magazine](#)

The Sustainability Resource Center (SRC) is home to Campus Sustainability 2.0 and the Student Sustainability Collective (SSC). The SRC is a one-stop clearinghouse for all things related to sustainability at UC San Diego. It includes a small library, meeting room for students, faculty, and staff, and department offices. The SRC showcases a variety of UC San Diego student projects, research projects, and campus initiatives.

**The number of people employed in the sustainability office :**

1

**The website URL where information about the sustainability office is available :**

<http://sustain.ucsd.edu/>

**Does the institution have a sustainability coordinator? :**

Yes

**Sustainability coordinator's name :**

Dave Weil/ Kristin Hansen

**Sustainability coordinator's position title :**

Director, Building Commissioning & Sustainability/ Sustainability Analyst

**A brief description of the sustainability coordinator's position :**

The Director, Building Commissioning & Sustainability is responsible for developing and implementing programs supporting campuswide sustainability programs and initiatives, including the campus' Sustainability Program Office (SPO), located at the Sustainability Resource Center (SRC). Specifically, the Director manages resource conservation, renewable energy, waste diversion, alternative vehicle/fuel and green building initiatives. The Director leads UC San Diego's Green Building/LEED program for Existing Buildings and assists in coordinating Green Building/LEED activities for new construction and renovation projects. Under the guidance of the Director, the SPO is responsible for reviewing and assessing policies and procedures on campus energy utilization, renewable energy, water conservation, alternative vehicle/fuel, waste diversion and sustainable building programs as well as work with local and State agencies to achieve the goals for the program and to advance the visibility of UC San Diego's sustainability programs throughout the State. The SPO identifies potential sustainability initiatives and works with UC San Diego faculty, staff and students to ensure that UC San Deigo's Sustainability Program is accepted and supported at all levels. The SPO collects, maintains and analyzes data on campuswide sustainability programs, prepares reports for submission to campus leadership, UC Office of the President and regional agencies. The SPO encourages and assist UC San Diego administrative staff as well as students and faculty to identify and implement conservation opportunities that allow UC San Diego to act in as environmentally responsible manner as feasible. The SPO manages UC San Diego's Green Campus Program and supports other campus student intern programs. The SPO works with the Campus Architect, Housing, Dining & Hospitality Services, Facilities Management, Purchasing and other departments to achieve UC San Deigo's conservation goals and to reduce environmental impacts. The Director serves as a sustainable operations consultant to campus departments and organizations, assisting in the development of forward thinking campus policies and/or procedures as they relate to campuswide sustainable practices.

Additionally,

**The website URL where information about the sustainability coordinator is available :**

<http://sustainability.ucsd.edu/about/detailed-contacts.html>



## Responsible Party

**Brad Werdick**

Director of Physical & Community Planning  
Physical & Community Planning

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## Criteria

Institution's current, formally adopted strategic plan or equivalent guiding document includes sustainability at a high level. The plan covers the entire institution.

An amendment to the strategic plan may count for this credit, as long as the institution always presents the amendment with the original plan.

Neither a physical campus plan (which is covered in *PAE Credit 3: Physical Campus Plan*) nor an independent sustainability plan (which is covered in *PAE Credit 5: Sustainability Plan*) counts for this credit.

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"---" indicates that no data was submitted for this field

## Year the strategic plan or equivalent was completed or adopted :

2004

## Does the institution's strategic plan or equivalent guiding document include the environmental dimensions of sustainability at a high level? :

Yes

## A brief description of how the strategic plan or amendment addresses the environmental dimensions of sustainability :

The Long Range Development Plan Environmental Impact Report (LRDP EIR) includes extensive data on environmental impacts and discusses sustainability policies and objectives. Section 5 of Chapter 2 makes explicit reference to environmental sustainability. According to the LRDP, all UC San Diego's buildings are built according to the highest sustainability standards established in the 2000 Governor's Executive Order D-16-00. All campus buildings are built holistically with individual building features that work together as a coherent whole. In 2003, UC San Diego implemented a system-wide Green Buildings policy and clean energy standard. According to the LRDP, UC San Diego incorporates programs and techniques that create buildings and systems that are environmentally sensitive and help provide for a sustainable environment. For example, in 1997, UC San Diego completed a reclaimed water project and continually seeks to implement projects that promote sustainability through efficient water use, encouraging energy efficiency, and promoting opportunities for the use of alternative transportation. The campus also has a completed a detailed Sustainability Assessment and adopted a comprehensive Climate Action Plan that addressed all facets of campus sustainability.

## Does the institution's strategic plan or equivalent guiding document include the social dimensions of sustainability at

**a high level? :**

Yes

**A brief description of how the strategic plan or amendment addresses the social dimensions of sustainability :**

The LRDP and its EIR discuss the broad social effects of University programs and projects on people in both the campus and Greater San Diego communities. According to the LRDP, UC San Diego has had a long-term commitment to serving the lifelong educational needs of the community. Extended Studies and Public Programs (ESPP) is a multifaceted organization that provides post-baccalaureate education and innovative public programs that serve local, regional, and global constituencies. This is accomplished through continuing education and degree-related programs, community initiatives supportive of economic and social development, a wide array of public service lectures, forums, and special events, and through print, radio, and television media. Additionally, UC San Diego Medical Center is home to numerous clinical, research, and community service programs. UC San Diego also provides high quality childcare for its students, faculty, and staff. UC San Diego's newest childcare facility, Mesa Childhood Development Center, is UC San Diego's first LEED-Gold building. Further, UC San Diego provides affordable on-campus housing for its students, which allows for a more diverse student population and reduces traffic in the greater San Diego area. Also, UCSD's cultural programs serve academic endeavors in applied and performing arts and enrich the cultural life of the campus and community. Recognizing that UC San Diego's exceptional public performing and visual arts programs contribute greatly to the cultural climate of the region, the campus continuously seeks ways to make these programs more accessible to the public. For example, UC San Diego's La Jolla Playhouse and the Stuart Art Collection bring performance and visual art to the greater San Diego community. Lastly, the UC San Diego campus is home to the Preuss School. The Preuss school is home to 700 middle school and high school students drawn from the San Diego region. The mission of this school is to prepare students who seek to become the first generation of college graduates in their families for enrollment in UC and other excellent institutions of higher education.

**Does the institution's strategic plan or equivalent guiding document include the economic dimensions of sustainability at a high level? :**

Yes

**A brief description of how the strategic plan or amendment addresses the economic dimensions of sustainability :**

The LRDP EIR discusses growth inducing effects and economic implication of campus growth, as well as services and projects provided by external agencies. According to the LRDP, UC San Diego contributes to San Diego's highly trained workforce and has had a profound impact on the regional economy. Additionally, as one of San Diego County's largest employers, in 2002, UCSD's monthly payroll exceeded \$71 million. In addition, UC San Diego annually purchases approximately \$600 million in goods and services. UC San Diego faculty, staff, students and alumni have spun-off over 200 local companies. Even with the benefits stemming from the University expansion and cooperation, the wise management of growth will continue to pose a complex and difficult challenge for the University and the greater San Diego area. However, as UC San Diego strives to fulfill its publicly mandated academic mission during a period of continuous growth, it will remain committed to maintaining and enhancing its working relationship with the community and developing creative solutions.

**The website URL where information about the strategic plan is available :**

<http://physicalplanning.ucsd.edu/plans/lrdp.html>

# Physical Campus Plan

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## Responsible Party

**Brad Werdick**

Director of Physical & Community Planning  
Physical & Community Planning

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## Criteria

Institution's current plan for its physical campus (commonly referred to as the campus master plan) includes sustainability at a high level.

An amendment to the plan may count for this credit, as long as the institution always presents the amendment with the original plan.

Neither a strategic plan (which is covered in *PAE Credit 2: Strategic Plan*) nor an independent sustainability plan (which is covered in *PAE Credit 4: Sustainability Plan*) counts for this credit.

Plans developed at the system level are eligible for this credit. Likewise, multiple plans which together cover the institution's entire physical campus are eligible for this credit.

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"---" indicates that no data was submitted for this field

## Does the institution's physical campus plan include sustainability at a high level? :

Yes

## A brief description of how the physical campus plan or amendment includes sustainability :

UC San Diego's 1989 Master Plan Study contains five organizing principles for the campus that help to guide its development. These principles are: neighborhoods, academic corridors, a university center, the park, and connections. Each of these organizing principles help to foster sustainability in physical planning. First, the neighborhood principle states that the development of UC San Diego should occur in neighborhoods, or a unit of development with distinct character with academic, housing, dining, recreation, and community services, open space, and transportation connections. This neighborhood principle has helped to guide a new housing complex, The Village. The project, which includes a high density 14-story tall residential tower, contains housing and dining services and located a short walk from RIMAC, UC San Diego's athletic facility, and classrooms in the Social Science and Humanities academic corridors. The academic corridor principle states that new academic facilities should be developed across neighborhood boundaries to bring together related academic departments to facilitate collaboration between students, faculty, and staff and provide a basis for the location of new academic facilities. This academic corridor principle has helped to create a walkable academic campus. UC San Diego is designed to promote walking between classes, with the maximum distance between classrooms bring approximately a ten minute walk. The university center principle states that UC San Diego should be created around a university center that will be the hub of student, faculty, and staff activity. This university principle has helped to create Price Center, which serves as an indoor and outdoor community center that provides dining services, study spaces, and places to meet and congregate. The park principle states that the shoreline, mesas, canyons, and eucalyptus groves are ecologically sensitive areas with abundant natural resources, and they should be treated as a park and preserved. This Park principle has helped guide the development of UC San Diego's Scripps Institution of Oceanography (SIO) to allow for steady state growth needs while preserving native and environmentally sensitive habitat . Scripps Institute of Oceanography's status as a leader in

environmental research is reflected in its design that has worked to evolve with its natural coastal landscape. Lastly, the connections principle states that roads, paths, public entries, and view corridors should work to connect all neighborhoods of UC San Diego so that the campus can function as one single unit. This connections principle has helped to foster UC San Diego's alternative transportation. UC San Diego is a pedestrian and bike friendly campus. While there are shuttle stops strategically placed throughout campus, vehicular traffic is directed to the outside of campus, leaving the inside of campus open for safe and efficient pedestrian and bike travel.

**The year the physical campus plan was developed or adopted :**

1989

**The website URL where the physical campus plan is available :**

<http://physicalplanning.ucsd.edu/plans/masterplan.html>

# Sustainability Plan

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## Responsible Party

**Kristin Hansen**

Sustainability Analyst  
Auxiliary & Plant Services

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## Criteria

Institution has a sustainability plan that was developed with input from faculty, staff, and students. The plan includes measurable goals with corresponding strategies and timeframes to achieve the goals. The plan need not be formally adopted.

The plan covers multiple sustainability topics and issues. Plans focused exclusively on climate change, which are covered by *PAE Credit 5: Climate Plan*, are not eligible for this credit.

Strategic or master plans that cover sustainability may count for this credit if they meet the other criteria outlined above.

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"---" indicates that no data was submitted for this field

## Does the institution have a sustainability plan that meets the criteria for this credit? :

Yes

## A brief description of how multiple stakeholder groups were involved in developing the plan :

UC San Diego has many groups that aid in campus sustainability leadership. The Climate Solutions Work Group (CSWG), a high-level team made up of administrative and academic leaders. This group is monitoring and implementing projects on campus to reduce GHG emissions, and will be overseeing the development of a campus-wide Climate and Sustainability Action Plan. The goals of this plan will be to forecast emissions, plan for emission reductions, and develop a timeline for reaching climate neutrality. Additionally, UC San Diego created an Advisory Committee on Sustainability (ACS), comprising faculty, staff, and students. Most recently, the ACS recieved approval of a campus "Principles of Sustainability" that will serve as a guide for all campus sustainability efforts. Both the CSWG and the ACS, along with other groups within the campus community, are invested in creating solutions to the sustainability challenges we face today.

## A brief description of the plan's measurable goals :

UC San Diego has developed a number of recommendations for improving campus sustainability. These recommendations were developed from the results of this assessment. A general recommendation that relates to all the information contained in this report is the following: Develop a tool for campus sustainability practitioners to collect data, beginning with a select group of indicators included in this report. The tool should be web-based and easy to use, so this information may be readily gathered annually. The data should also be made available to the entire campus to ensure transparency and accountability.

## A brief description of how progress in meeting the plan's goals is measured :

The Sustainability Assessment Report is divided into 11 areas of concern and contains a total of 35 indicators, or metrics. Each metric is intended to set a baseline for future performance, as well as provide ideas on where the campus community can most improve.

**The website URL where more information about the sustainability plan is available :**

[http://aps-web.ucsd.edu/sustainability/FM/PDFs/UCSD\\_2008\\_Sustainability\\_Assessment\\_Report.pdf](http://aps-web.ucsd.edu/sustainability/FM/PDFs/UCSD_2008_Sustainability_Assessment_Report.pdf)

**The year the plan was developed or last updated :**

2008

# Climate Action Plan

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## Responsible Party

**Kristin Hansen**  
Sustainability Analyst  
Auxiliary & Plant Services

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## Criteria

Institution has a formal plan to mitigate its greenhouse gas emissions. The plan includes a measurable, numerical goal or goals and a corresponding date or dates by which the institution aims to achieve its goal(s). The plan has been adopted by the institution's administration.

A formal sustainability plan (i.e. a plan that has been adopted by the administration) counts for this credit if it includes climate change goals, strategies, and corresponding timeframes. Such a plan may also count toward *PAE Credit 4: Sustainability Plan*.

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### Submission Note:

Additional reporting is submitted to the ACUPCC website at  
<http://rs.acupcc.org/>

"---" indicates that no data was submitted for this field

## Does the institution have a plan to mitigate its greenhouse gas emissions that meets the criteria for this credit? :

Yes

## A brief summary of the climate plan's long-term goals :

The following are the long-term goals outlined in UC San Diego's Climate Action Plan:

- Establish a target date for climate neutrality
- Identify how campus will include climate neutrality and sustainability in curriculum, student experience, and research
- Establish interim goals and actions for reducing actions for GHG emissions
- Identify goals for reducing emissions and impacts from purchasing, campus operations, transportation, and water usage; and for improving recycling programs
- Identify mechanisms for tracking progress
- Identify financing mechanisms

## A brief summary of the climate plan's short-term goals :

The following are the short-term goals outlined in UC San Diego's Climate Action Plan:

- Climate neutrality by 2025
- A reduction of 4% water usage per year for the next 5 years

-Zero waste to landfill by 2020

UCSD is the first west coast campus to become a member of the Chicago Climate Exchange, North America's only cap and trade system for all greenhouse gases, and is also a charter member of the California Climate Action Registry, a voluntary registry for greenhouse gas emissions. In 2007, the President of the University of California signed the American College and Universities President's Climate Commitment on behalf of all ten campuses of the UC system.

**Year the climate plan was formally adopted or approved :**

2008

**An indication of whether institution has made a commitment to reduce GHG emissions a specific amount by a target year :**

Yes

**List which emissions (scope 1, 2, and/or 3) are included in its GHG emissions commitment :**

scope 1,2,3

**The reduction level (percentage) institution has committed to :**

100%

**The baseline year the institution used in its GHG emissions commitment :**

Jan. 1, 2007

**The baseline emissions level institution used in its GHG emissions commitment :**

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**The target year the institution specified in its GHG emissions commitment :**

Dec. 31, 2025

**The website URL where information about the climate plan is available :**

[http://sustainability.ucsd.edu/\\_files/UCSD\\_Climate\\_Action\\_Plan\\_12-08.pdf](http://sustainability.ucsd.edu/_files/UCSD_Climate_Action_Plan_12-08.pdf)

# Diversity and Affordability

This subcategory seeks to recognize institutions that are working to advance diversity and affordability on campus. In order to build a sustainable society, diverse groups will need to be able to come together and work collaboratively to address sustainability challenges. People of color and low-income communities tend to suffer disproportionate exposure to environmental problems. This environmental injustice happens as a result of unequal and segregated communities. To achieve environmental and social justice, society must work to address discrimination and promote equality. The historical legacy and persistence of discrimination based on racial, gender, religious, and other differences makes a proactive approach to promoting a culture of inclusiveness an important component of creating an equitable society. Higher education opens doors to opportunities that can help create a more equitable world, and those doors must be open through affordable programs accessible to all regardless of race, gender, religion, socio-economic status and other differences. In addition, a diverse student body, faculty, and staff provide rich resources for learning and collaboration.

<b>Credit</b>
Diversity and Equity Coordination
Measuring Campus Diversity Culture
Support Programs for Underrepresented Groups
Support Programs for Future Faculty
Affordability and Access Programs
Gender Neutral Housing
Employee Training Opportunities
Student Training Opportunities

# Diversity and Equity Coordination

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## Responsible Party

**Sandra Daley**

Associate Chancellor and Chief Diversity Officer  
Chancellor's Office

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## Criteria

Institution has a diversity and equity committee, office, and/or coordinator that are tasked by the administration or board of trustees to advise on and implement policies, programs, and trainings related to diversity and equity on campus.

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"---" indicates that no data was submitted for this field

## Does the institution have a diversity and equity committee? :

Yes

## The charter or mission statement of the committee or a brief description of the committee's purview and activities :

The UC San Diego Diversity Council advises the chancellor on diversity with particular reference to institutional access and representation, campus climate and intergroup relations, education, scholarship, and institutional transformation.

## Members of the committee, including job titles and affiliations :

Continetti, Robert (Chair) Chemistry/Biochemistry; Aluwihare, Lihini SIO; Bean, Donna Associated Students, President; Bertram Gallant, Tricia Academic Affairs; Borgo, David Academic Senate; Chapman, Russ SIO; Daley, Sandra Associate Chancellor/CDO; Davis, Glynda Assistant Chancellor for Diversity; de la Peña, Emelyn Director, Women's Center; Doss, Paula Director, Equal Opp./Staff Affirm. Action; Ferrante, Jeanne Associate Vice Chancellor - Faculty Equity; Franco, Luis Student Affirmative Action Committee; Garcia, Adela Community Member/IBM; Hernandez, Ricsie Associated Students; Hodge, Edgar ECE; Hodgkiss, William Academic Senate; Lee, Connie Associated Students; Musick, Larriann Community Member/Southern California Tribal Chairmen's Association, Inc.; Niman, Barry Accommodation Counseling and Consulting Services (ACCES); Peters, Michelle Exec. Dir. Office of Students with Disabilities; Rauch, James Economics; Sinclair, Ruth Health Sciences/SOM; Stascavage, James Sixth College; Travers, Shaun Director, LGBT Resource Center; Watson, Otis UC San Diego Alumni Association; Welch, Edwina Director, Cross-Cultural Center; Yang, Jane Graduate Student Association; Young, Dorothy Student Affirmative Action Committee Designee

## The website URL where information about the diversity and equity committee is available :

[http://diversity.ucsd.edu/diversity\\_council.html](http://diversity.ucsd.edu/diversity_council.html)

## Does the institution have a diversity and equity office? :

Yes

**A brief description of the diversity office :**

The Chancellor's Diversity Office leads the campus diversity strategic planning initiatives, facilitates the building of new institutional diversity infrastructures, interfaces with institutional accountability systems, and manages the diversity initiatives that are sponsored by the 11 Staff Associations, Diversity Council and the Chancellor's Advisory Committees.

**The number of people employed in the diversity office :**

6

**The website URL where information about the diversity and equity office is available :**

<http://diversity.ucsd.edu/staff.html>

**Does the institution have a diversity and equity coordinator? :**

Yes

**Diversity coordinator's name :**

Sandra Daley

**Diversity coordinator's position title :**

Chief Diversity Officer

**A brief description of the diversity coordinator's position :**

The Chief Diversity Officer serves as a liaison for the chancellor to the campus faculty, staff and students on various diversity efforts and issues and is responsible for coordinating the university's commitment to, and implementation of, diversity throughout the institution.

**The website URL where information about the diversity and equity coordinator is available :**

<http://diversity.ucsd.edu/index.html>

# Measuring Campus Diversity Culture

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## Responsible Party

**Sandra Daley**

Associate Chancellor and Chief Diversity Officer  
Chancellor's Office

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## Criteria

Institution assesses attitudes about diversity and equity on campus and uses the results to guide policy, programs, and initiatives.

Institution may measure its culture of diversity and equity using one assessment for the entire institution or using separate assessments that taken together cover the entire institution.

Assessments conducted during the previous five years are eligible for this credit.

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*"---" indicates that no data was submitted for this field*

## **Has the institution assessed attitudes about diversity and equity on campus in a way that meets the criteria for this credit? :**

Yes

## **A brief description of the assessment(s) :**

Diversity Accountability Framework 2009 Campus Report UC San Diego: The overarching theme of this assessment is to establish infrastructure to coordinate and enhance diversity efforts and establish/assess/evaluate campus strategies designed to foster diversity and inclusion.

## **Year the assessment was last administered :**

2009

## **A brief description of how the results of the assessment(s) are used in shaping policy, programs, and initiatives :**

The following goals for various policies, programs, and initiatives are outlined in the Diversity Accountability Framework 2009: achieve diversity goals in Charting-the-Course, appoint faculty equity advisors in each academic division and professional school, expand outreach efforts to public schools and community colleges, increase yield of enrolled students from underrepresented groups from a larger admitted pool, actively recruit freshmen students from a well-managed Preuss School, increase share of students who enroll at UC San Diego from this nationally competitive student body at the Preuss School, promote staff professional development and succession and planning through in-house training as a retention tool, and increase philanthropy, grants and contracts and expand efforts towards securing non-traditional support.

**The website URL where information about the assessment(s) is available :**

<http://diversity.ucsd.edu/pdf/accountability072009.pdf>

# Support Programs for Underrepresented Groups

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## Responsible Party

**Sandra Daley**

Associate Chancellor and Chief Diversity Officer  
Chancellor's Office

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## Criteria

Institution has mentoring, counseling, peer support, affinity groups, academic support programs, or other programs in place to support underrepresented groups on campus.

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*"---" indicates that no data was submitted for this field*

## **Does the institution have mentoring, counseling, peer support, affinity groups, academic support programs, or other programs in place to support underrepresented groups on campus? :**

Yes

## **A brief description of the programs sponsored by the institution to support underrepresented groups within the student body :**

There are many academic programs, student groups, centers and university-sponsored efforts that help support underrepresented groups within the student body. With regard to academic programs, there are many majors and minors that focus on underrepresented groups in academia. These majors and minors include: African American Studies Minor, Chicano Latino Arts & Humanities minor, Chinese Studies, Critical Gender Studies, Ethnic Studies, German Studies, International Studies, Italian Studies, Japanese Studies, Judaic Studies, Latin American Studies, Russian and Soviet Studies, and Third World Studies. There are also many student groups on campus that support underrepresented students on campus such as the Black Student Union, Movimiento Estudiantil Chicana Y Chicano de Aztlan, Queer Students of Color, and the Mixed student union. A full list of the groups can be found at

<http://ccc.ucsd.edu/affiliates.asp>

. There are also many different centers on campus that help to support underrepresented groups within the student body: Cross Cultural Center, International Center, LGBT Resource Center, The Women's Center, and the Student Promoted Access Center for Education and Service (SPACES). There are also many university-sponsored efforts such as the Office of Academic Support and Instructional Services (OASIS), Academic Affirmative Action, and the Center for Student Involvement. A full list of all the campus centers and university-sponsored efforts can be found at

<http://diversity.ucsd.edu/resources.html>

and

<http://ccc.ucsd.edu/affiliates.asp>

**A brief description of the programs sponsored by the institution to support underrepresented groups within the faculty :**

UC San Diego has authorized 33 new faculty searches for the 2010-2011 year, 12 of which (36%) are specifically identified to contribute to diversity, equity and climate of inclusion at UC San Diego. This is above and beyond the six unfilled faculty positions that the university originally agreed to reactivate to advance diversity. In addition, a special pool of seven faculty positions has been established for 2010-2011 to respond to opportunities that emerge throughout the year. A priority for this pool of employees will be academically qualified applicants who will promote and advance UC San Diego's commitment to diversity initiatives.

<http://campusclimate.ucsd.edu/commitments.php>

**A brief description of the programs sponsored by the institution to support underrepresented groups within the staff :**

Among the many programs sponsored by UC San Diego are the Staff Equal Opportunity Enrichment Program, which provides funding to individuals and departments for training that will aid employees in achieving their career goals; and Career Connection, which is a comprehensive career development program consisting of career development workshops, mentoring, career consultations, internships and training funds for staff that have been promoted. The University also supports a broad array of affiliation groups.

<http://diversity.ucsd.edu/resources.html>

**The website URL where more information about the programs in each of the three categories is available :**

<http://diversity.ucsd.edu/resources.html>

# Support Programs for Future Faculty

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## Responsible Party

**Sandra Daley**

Associate Chancellor and Chief Diversity Officer  
Chancellor's Office

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## Criteria

Institution administers and/or participates in a program or programs to help build a diverse faculty throughout higher education.

Such programs could take any of the following forms:

- Teaching fellowships or other programs to support terminal degree students from underrepresented groups in gaining teaching experience. (The terminal degree students may be enrolled at another institution).
  - Mentoring, financial, and/or other support programs to prepare and encourage undergraduate or other non-terminal degree students to pursue further education and careers as faculty members.
  - Mentoring, financial, and/or other support programs for doctoral and post-doctoral students from underrepresented groups.
- 

"---" indicates that no data was submitted for this field

## Does the institution administer and/or participate in programs that meet the criteria for this credit? :

Yes

## A brief description of the institution's programs that help increase the diversity of higher education faculty :

According to the Academic Personnel Affirmative Action Program, Annual Review and Update, 2009, UC San Diego uses a comprehensive planning framework called "Charting the Course" to aid in the implementation of different program's efforts to increase the diversity of higher education faculty. One of these programs is the UC President's Postdoctoral Fellowship Program. While it is open to all qualified candidates, this UC program encourages outstanding women and minority Ph.D. recipients to pursue academic careers at UC. Preferred candidates are those whose research emphasizes issues such as diversity, multiculturalism, and communities underserved by traditional academic research (as may be the case in disciplines within the humanities, arts, social sciences, and professions), or candidates who have a demonstrated record of mentoring or outreach activities, or who intend to promote access and opportunity in higher education through mentoring or outreach activities, which may be more pertinent to candidates in the disciplines of math, engineering, life sciences, and physical sciences.

## The website URL where more information about the program(s) is available :

<http://academicaffairs.ucsd.edu/aps/adeo/reports.htm>

# Affordability and Access Programs

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## Responsible Party

**Sandra Daley**

Associate Chancellor and Chief Diversity Officer  
Chancellor's Office

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## Criteria

Institution has policies and programs in place to make it accessible and affordable to low-income students. Such policies and programs may include, but are not limited to, the following:

- Policies and programs to minimize the cost of attendance for low-income students
- Programs to equip the institution's faculty and staff to better serve students from low-income backgrounds
- Programs to prepare students from low-income backgrounds for higher education such as the federal TRIO programs
- Scholarships for low-income students
- Programs to guide parents of low-income students through the higher education experience
- Targeted outreach to recruit students from low-income backgrounds
- Other admissions policies or programs
- Other financial aid policies or programs

Institutions are not required to have programs or policies in each of the above areas in order to earn this credit. They may pursue the policies and programs that are appropriate for their context.

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*"---" indicates that no data was submitted for this field*

**Does the institution have policies and programs in place to make it accessible and affordable to low-income students?**

:

Yes

**A brief description of the institution's participation in federal TRIO programs :**

At UC San Diego, TRIO Programs provide undergraduate students with part-time employment opportunities as peer college advisors and tutors at local high schools. TRIO at UC San Diego is made up of Upward Bound Classic, Upward Bound Math & Science, and Educational Talent Search. Upward Bound Classic provides support to 80 area high school students, primarily those who are from low-income families and who will be the first in their family to attend college. Upward Bound Math & Science Program helps 50 high school students prepare for college admission. This program works specifically with students who have an interest in pursuing math, science, computer science, and engineering as a college major and career. Educational Talent Search serves 600 students in grades 6-12 by nurturing their potential to succeed in higher education through academic enrichment, motivation, and advising.

**A brief description of the institution's policies and programs to minimize the cost of attendance for low-income students? :**

According to the University of California, grants, scholarships, loans, and work-study are all forms of financial assistance to students in the University of California system. Nearly two-thirds of UC undergraduates receive some financial aid with an average award of around \$14,000. For California residents, that covers nearly half the cost of attending UC for a full year.

**A brief description of the institution's programs to equip the institution's faculty and staff to better serve students from low-income backgrounds :**

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**A brief description of the institution's programs to prepare students from low-income backgrounds for higher education :**

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**A brief description of the institution's scholarships for low-income students :**

According to the University of California, UC provides many different types of scholarships. The Regents Scholarships, UC's most prestigious scholarships, are for students with outstanding academic records and personal achievements. These scholarships may be either honorary or need-based. Alumni Scholarships are awarded to entering students who have demonstrated leadership, academic achievement, and participation in extracurricular activities. There are also restricted scholarships that are available only to students with specific backgrounds, academic interests, career objectives, and other criteria. UC San Diego provides the following restricted scholarships: Ellen and Roger Revelle Scholarship, UC San Diego Athletic Scholarship, James Avery Scholarship, Black Alumni Scholarship, Clayton H. Brace Scholarship, Chancellor's Freshman Scholarship, CREATE Undergraduate Scholarship, Herbert & Renita Greenberg Scholarship, Hispanic Scholarship Council Scholarship for Community Service, Charmaine and Maurice Kaplan Scholarship, Kelly J. Kolozsi Memorial Scholarship, Ledell Family Scholarship, Claude and Irene McFarland Scholarship, Dr. A.R. Moossa Scholarship, Shelia Owens-Collins Scholarship, George Parker Memorial Scholarship, Gerald and Inez Grant Parker Foundation Scholarship, Mary Pillot Scholarship, Preuss School Scholarship at UC San Diego, Ray and Betty Ramseyer Scholarship, Rose Foundation Scholarship, Shimotori Memorial Scholarship, Student Foundation Scholarship, Shimotori Memorial Scholarship, Student Foundation Scholarship, Ludwig and Ada Strauss Scholarship, Mary S. and Joseph W. Watson Scholarship, and Allene Huanani Wong Scholarship.

[http://www.ucsd.edu/current-students/finances/financial-aid/types/scholarships/freshmen/index.h](http://www.ucsd.edu/current-students/finances/financial-aid/types/scholarships/freshmen/index.html)

[tml](#)

**A brief description of the institution's programs to guide parents of low-income students through the higher education experience :**

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**A brief description of the institution's targeted outreach to recruit students from low-income backgrounds :**

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**A brief description of the institution's other admissions policies and programs :**

According to the University of California, UC's Blue and Gold Opportunity Plan will cover all educational and student services fees for California residents that qualify for financial aid and whose family earns less than \$70,000 a year. Blue and Gold students with sufficient financial need can qualify for even more grant aid to help reduce the cost of attending.

**A brief description of the institution's other financial aid polices or programs :**

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**A brief description of the institution's other policies and programs not covered above :**

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**The website URL where information about programs in each of the areas listed above is available :**

<http://www.universityofcalifornia.edu/admissions/paying-for-uc/index.html>

# Gender Neutral Housing

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## Responsible Party

**Kristin Hansen**

Sustainability Analyst  
Auxiliary & Plant Services

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*"---" indicates that no data was submitted for this field*

**Does the institution offer housing options to accommodate the special needs of transgender and transitioning students (either as a matter of policy or as standard practice)? :**

Yes

**A brief description of the program, policy, or practice :**

There are a number of opportunities for students who live on campus regarding the LGBT community, including Gender Inclusive Housing, an LGBT Interest Housing program, and UC San Diego's commitment to house transgender students via discussions based on individual and specific needs. These opportunities, along with the work of the Resident Advisors/Hall Advisors (RA/HA's) - who also receive training from both the LGBT Resource Center and through their own Residence Life Office - provide many opportunities to meet the needs of all UC San Diego student living on campus.

**The website URL where information about the program, policy, or practice is available :**

[http://lgbtro.ucsd.edu/Living\\_in\\_Campus\\_Housing.asp](http://lgbtro.ucsd.edu/Living_in_Campus_Housing.asp)

# Employee Training Opportunities

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## Responsible Party

**Thomas Leet**

Assistant Vice Chancellor  
External & Business Affairs

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*"---" indicates that no data was submitted for this field*

## Does the institution make cultural competence trainings and activities available to all employees? :

Yes

## A brief description of the cultural competence trainings and activities :

The Diversity Education Program is a consciousness raising training teaching participants to recognize varying levels of cultural competence and the practical impact of each level. The Culturally Competent Management Program is under development to train managers, supervisors, and aspiring leaders to recognize when workplace issues have a component of cultural competence and to have practical strategies to enable employees to be productive and successfully navigate the potential conflicts arising from cultural differences.

## The website URL where information about the trainings and activities are available :

<http://blink.ucsd.edu/HR/supervising/succession/diversity.html>

# Student Training Opportunities

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## Responsible Party

**Sandra Daley**

Associate Chancellor and Chief Diversity Officer  
Chancellor's Office

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*"---" indicates that no data was submitted for this field*

## Does the institution make cultural competence trainings and activities available to all students? :

Yes

## A brief description of the cultural competence trainings and activities :

The Cross-Cultural Center Diversity Peer Educators (DPEs) are student interns that facilitate trainings and workshops for UC San Diego students, staff, faculty and the community. DPEs and Cross-Cultural Center professional staff are available to assist groups and organizations with facilitated dialogues on a variety of topics including social justice, diversity, communication, teamwork and leadership development. We are available for campus, K-12 and other community group presentations.

## The website URL where information about the trainings and activities are available :

<http://ccc.ucsd.edu/Trainings.asp>

# Human Resources

This subcategory seeks to recognize institutions that have incorporated sustainability into their human resources programs and policies. This includes recognition for treating and remunerating their workers responsibly and fairly. An institution's people define its character and capacity to perform; and so, an institution's achievements can only be as strong as its community. An institution can bolster the strength of its community by making fair and responsible investments in its human capital. Such investments include offering benefits, wages, and other assistance that serve to respectfully and ethically compensate workers. Investment in human resources is integral to the achievement of a healthy and sustainable balance between human capital, natural capital, and financial capital.

In addition, this subcategory recognizes faculty and staff training and development programs in sustainability. Faculty and staff members' daily decisions impact an institution's sustainability performance. Equipping faculty and staff with the tools, knowledge, and motivation to adopt behavior changes that promote sustainability is an essential activity of a sustainable campus.

<b>Credit</b>
Sustainable Compensation
Employee Satisfaction Evaluation
Staff Professional Development in Sustainability
Sustainability in New Employee Orientation
Employee Sustainability Educators Program
Childcare
Employee Wellness Program
Socially Responsible Retirement Plan

# Sustainable Compensation

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## Responsible Party

**Thomas Leet**  
Assistant Vice Chancellor  
External & Business Affairs

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## Criteria

Institution evaluates, and updates as appropriate, its wages and benefits policies and its guidelines for contractors operating on campus to ensure that total compensation (wages plus benefits) for all on-campus workers is sufficient to enable these employees to meet their basic needs, as defined by the institution. This evaluation is completed at least once every three years.

Student workers are not covered by this credit.

While wages and total compensation set in the following ways may constitute sustainable compensation, institutions should conduct a basic needs assessment to ensure that the total compensation is adequate before claiming points for this credit:

- Paying prevailing wages for job type or classification
- Paying average or above average wages for the region or city where the institution is located
- Paying minimum wages or a set amount above the minimum wage

Policies and practices adopted by entities of which the institution is part (e.g. state government or the university system) may count for this credit as long as the policies apply to and are followed by the institution.

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### Submission Note:

The collective bargaining process is on-going, so it is constantly being evaluated.

"---" indicates that no data was submitted for this field

### Total number of employees working on campus (including contractors) :

15889

### Number of employees (including contractors) that the institution ensures earn sustainable compensation :

15889

### A brief description of how the institution ensures that its lowest-paid workers (including contractors, if applicable) receive sustainable compensation :

Wages for the lowest paid workers are negotiated through the collective bargaining process.

**The most recent year total compensation for the institution's lowest-paid workers (including contractors, if applicable) was evaluated to ensure that it was sustainable :**

2010

**The website URL where information about the institution's compensation policies and practices is available :**

<http://blink.ucsd.edu/HR/comp-class/index.html>

# Employee Satisfaction Evaluation

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## Responsible Party

**Thomas Leet**

Assistant Vice Chancellor  
External & Business Affairs

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## Criteria

Institution conducts a survey or other evaluation that allows for anonymous feedback at least once every five years to measure employee satisfaction. The survey or equivalent may be conducted institution-wide or may be done by individual departments as long as all departments are covered by a survey. The institution has a mechanism in place to address issues raised by the evaluation.

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*"---" indicates that no data was submitted for this field*

**Does the institution evaluate employee satisfaction in a way that meets the criteria for this credit? :**

Yes

**A brief description of the institution's methodology for evaluating employee satisfaction :**

An annual survey measures employee satisfaction, and is used to help to ensure a positive and productive work environment.

**The year the employee satisfaction evaluation was last administered :**

2010

**The website URL where information about the institution's employee satisfaction evaluation process is available :**

<http://blink.ucsd.edu/sponsor/hr/org-chart/assistant-vc.html>

# Staff Professional Development in Sustainability

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## Responsible Party

**Thomas Leet**

Assistant Vice Chancellor  
External & Business Affairs

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## Criteria

Institution makes available training and/or other professional development opportunities in sustainability to all staff at least once per year.

Separate training opportunities for each department would count for this credit, as long as each staff member has an opportunity to learn about sustainability at least once per year.

It is not necessary that each staff member attend such trainings; the credit is based on making training *available* to all staff.

This credit applies to staff members only; it does not include faculty members.

The following training opportunities are not sufficient for this credit:

- Specialized training for a small group of staff
  - The opportunity to participate in an institutional sustainability committee or group
- 

"---" indicates that no data was submitted for this field

## Does the institution make training and professional development opportunities in sustainability available to all staff? :

Yes

## A brief description of the sustainability trainings and professional development opportunities available to staff :

UC San Diego offers courses for employees on environmental stewardship and various programs related to environment health and safety, including safe handling of environmental hazards. University Extension offers a certificate in sustainable business practices.

## The website URL where information about staff training opportunities in sustainability are available :

<http://extension.ucsd.edu/Programs/index.cfm?vAction=certDetail&vCertificateID=155&vStudyAreaId=5>

# Sustainability in New Employee Orientation

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## Responsible Party

**Thomas Leet**

Assistant Vice Chancellor  
External & Business Affairs

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## Criteria

Institution covers sustainability topics in new employee orientation and/or in outreach and guidance materials distributed to new employees, including faculty and staff.

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*"---" indicates that no data was submitted for this field*

**Does the institution cover sustainability topics in new employee orientation and/or in outreach and guidance materials distributed to new employees, including faculty and staff? :**

Yes

**A brief description of how sustainability is included in new employee orientation :**

Currently, new employee orientation includes a DVD containing information about UC San Diego programs, including sustainability, and a brief talk from the sustainability analyst. Although upcoming orientations will not have time for individual department presentations, all website information for departments and relevant brochures will be distributed.

**The website URL for the information about sustainability in new employee orientation :**

<http://blink.ucsd.edu/HR/services/new/orientation/index.html>

# Employee Sustainability Educators Program

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## Responsible Party

**Kristin Hansen**  
Sustainability Analyst  
Auxiliary & Plant Services

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## Criteria

Institution administers or oversees an ongoing faculty/staff peer-to-peer sustainability outreach and education program. In the program, employee sustainability educators are formally designated and receive formal training or participate in an institution-sponsored orientation. The institution offers financial or other support to the program.

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### Submission Note:

For information about EH&S Staff Training Programs, contact Rich Belmontez.  
(858)822-5974

[rbelmontez@ucsd.edu](mailto:rbelmontez@ucsd.edu)

"---" indicates that no data was submitted for this field

### Total number of people employed by the institution :

24661

### Program name (1st program) :

Environment, Health & Safety Training Programs

### Number of employees served by the program (1st program) :

24661

### A brief description of how the employee educators are selected (1st program) :

Environment, Health & Safety (EH&S) departmental employees provides training programs to all UC San Diego employees. Topics include: safety training, pest management strategies, research safety, risk management, radiation safety, ergonomic principles, hazardous waste management, and environmental protection. One of these programs includes Storm Water Pollution Prevention Best Management Practices. This program includes strategies to help prevent or reduce the discharge of pollutants into storm drains. All employee educators are all professional EH&S staff, certified in their areas of expertise. Although EH&S does not hire trainers, all subject experts in EH&S are trainers in their own area of expertise. EH&S has one training manager that helps to coordinate and facilitate all training programs.

### A brief description of the formal training that the employee educators receive (1st program) :

All employee educators are all professional Environment, Health & Safety (EH&S) staff, certified in their areas of expertise. EH&S is dedicated to the reduction of risks within the UC San Diego community, and to the promotion of safety as a value in our university culture. EH&S provides health, safety, and environmental services to everyone at UC San Diego. Their goal is to support the mission of the university by helping staff, faculty, and students take an active role in protecting their health and the environment. Because all EH&S staff trainers are subject areas, the training that staff trainers receive relates to accommodate all kinds of learning styles in their training programs.

EH&S staff members are listed can be found at:

<http://blink.ucsd.edu/sponsor/EHS/contacts.html>

**A brief description of the staff and/or other financial support the institution provides to the program (1st program) :**

All Environmental, Health & Safety are paid staff at UC San Diego. The budget that is specifically for EH&S training is used for maintaining audio-visual equipment in the EH&S training room and sending the EH&S training manager to conferences about how to better improve training programs. Additionally, there are 15 technical workgroups in EH&S. One of these workgroups, the Systemwide Training Education Workgroup, focuses on staff peer-to-peer education.

**The website URL where information about the program is available (1st program) :**

<http://blink.ucsd.edu/sponsor/EHS/index.html>

**Program name (2nd program) :**

Sustainability in New Employee Orientation

**Number of employees served by the program (2nd program) :**

24661

**A brief description of how the employee educators are selected (2nd program) :**

The materials presented in the New Employee Orientation are pre-approved sustainability materials created by sustainability staff in Building Commissioning and Sustainability Department.

**A brief description of the formal training that the employee educators receive (2nd program) :**

Currently, new employee orientation includes a DVD containing information about UC San Diego programs, including sustainability, and a brief talk from the sustainability analyst. Although upcoming orientations will not have time for individual department presentations, all website information for departments and relevant brochures will be distributed.

**A brief description of the financial or other support the institution provides to the program (2nd program) :**

The materials provided for the new employees are funded by Auxiliary & Plant Services Sustainability program.

**The website URL where information about the program is available (2nd program) :**

<http://blink.ucsd.edu/HR/services/new/orientation/index.html>

**Program name(s) (all other programs) :**

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**Number of employees served by the program(s) (all other programs) :**

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**A brief description of how the employee educators are selected (all other programs) :**

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**A brief description of the formal training that the employee educators receive (all other programs) :**

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**A brief description of the staff and/or other financial support the institution provides to the program(s) (all other programs) :**

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**The website URL where information about the program(s) is available (all other programs) :**

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**Responsible Party**

**Thomas Leet**

Assistant Vice Chancellor  
External & Business Affairs

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*"---" indicates that no data was submitted for this field*

**Does the institution have an on-site child care facility, partner with a local facility, and/or provide subsidies or financial support to help meet the child care needs of students, faculty, and staff? :**

Yes

**A brief description of the child care program, policy, or practice :**

UC San Diego offers full-time childcare at the Early Childhood Education Center (ECEC). ECEC is located in the Mesa Married and Graduate Student Housing. It is open to the children of full-time UC San Diego students, staff, faculty, and a limited number of non-UC San Diego affiliates. ECEC is accredited by the National Association for the Education of Young Children. UC San Diego also offers part-time childcare at the Mesa Child Development Program. This program is housed in a LEED-Gold building on UC San Diego's East Campus and offers two half-day sessions during the week for children of full-time students, staff, and faculty.

**The website URL where information about the program, policy, or practice is available :**

<http://blink.ucsd.edu/HR/services/support/child/ECEC/index.html>

# Employee Wellness Program

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## Responsible Party

**Thomas Leet**

Assistant Vice Chancellor  
External & Business Affairs

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*"---" indicates that no data was submitted for this field*

### **Does the institution have an employee assistance or wellness program that provides counseling, referral, and well-being services to employees? :**

Yes

### **A brief description of the employee wellness program, policy, or practice :**

UC San Diego has an Employee Assistance Program called Faculty Staff Assistance Program (FSAP), which provides free, confidential, short-term counseling to all faculty, and staff. We also have an employee wellness program the provides services such as Walk UC San Diego, half price Recreation membership for Faculty and Staff, a health and wellness lecture series, Fitwell – a staff training in personal fitness for select staff, learn at lunch series, flexible work arrangements, financial planning, and safety training.

### **The website URL where information about the program, policy, or practice is available :**

<http://blink.ucsd.edu/HR/benefits/work-life/health.html>

# Socially Responsible Retirement Plan

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## Responsible Party

**Thomas Leet**

Assistant Vice Chancellor  
External & Business Affairs

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*"---" indicates that no data was submitted for this field*

### **Does the institution offer a socially responsible investment option for retirement plans? :**

Yes

### **A brief description of the socially responsible investment option for retirement plans :**

UC offers 403(b) and 457(b) tax deferred savings plans that include socially responsible investment options. Fidelity Investments is the record keeper for the UC tax-deferred savings programs.

### **The website URL where information about the program, policy, or practice is available :**

<http://www.netbenefits.com/>

# Investment

This subcategory seeks to recognize institutions that make investment decisions that promote sustainability. Most institutions invest some of their assets in order to generate income. Together, colleges and universities invest hundreds of billions of dollars. Schools with transparent and democratic investment processes promote accountability and engagement by the campus and community. Furthermore, institutions can support sustainability by investing in companies and funds that, in addition to providing a strong rate of return, are committed to social and environmental responsibility. Investing in these industries also supports the development of sustainable products and services. Finally, campuses can engage with the businesses in which they are invested in order to promote sustainable practices.

Throughout this subcategory, the term “sustainable investment” is inclusive of socially responsible, environmentally responsible, ethical, impact, and mission-related investment.

<b>Credit</b>
Committee on Investor Responsibility
Shareholder Advocacy
Positive Sustainability Investments
Student-Managed Sustainable Investment Fund
Sustainable Investment Policy
Investment Disclosure

# Committee on Investor Responsibility

## Criteria

Institution has a formally established and active CIR or similar body that makes recommendations to the Board of Trustees on socially and environmentally responsible investment opportunities across asset classes, including proxy voting. The body has multi-stakeholder representation, which means its membership includes faculty, staff, and students and may include alumni, trustees, and/or other parties.

Institutions for which investments are handled by the university system and/or a separate foundation of the institution should report on the investment policies and activities of those entities.

A general committee that oversees the institution's investments does not count for this credit unless social and environmental responsibility is an explicit part of its mission and/or agenda.

This credit applies to institutions with endowments of US \$1 million or larger. Institutions with endowments totaling less than US \$1 million may choose to omit this credit.

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This credit was marked as **Not Pursuing** so Reporting Fields will not be displayed.

# Shareholder Advocacy

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## Responsible Party

**Dave Weil**

Director Building Commissioning & Sustainability  
Auxiliary & Plant Services

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## Criteria

There are two possible approaches to earning this credit.

1) Institution filed or co-filed one or more shareholder resolutions that address sustainability or submitted one or more letters about social or environmental responsibility to a company in which it holds investments, during the previous three years.

and/or

2) Institution has conducted a negative screening of its entire investment pool within the last three years. This could take the form of prohibiting investment in an industry (e.g. tobacco or weapons manufacturing) or participating in a divestment effort (e.g. companies operating in South Africa during apartheid). The negative screen includes selling all but \$2,000 or less of the affected direct holdings and writing a letter to all fund managers encouraging them to remove affected holdings as well.

Institutions for which investments are handled by the university system and/or a separate foundation of the institution should report on the shareholder advocacy activities of those entities.

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*"---" indicates that no data was submitted for this field*

**Has the institution filed or co-filed one or more shareholder resolutions that address sustainability during the past three years? :**

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**Has the institution submitted one or more letters about social or environmental responsibility to a company in which it holds investments during the previous three years? :**

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**Has the institution conducted a negative screening of its entire investment pool within the last three years? :**

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**A brief description of how the institution (or its foundation) has engaged in shareholder advocacy that promotes sustainability during the previous 3 years. :**

Issues that are controversial or relate to social issues (i.e., tobacco issues, animal testing, military contracts, etc.) are reviewed on a case-by-case basis in light of their potential long-term economic impact on shareholders, along with ongoing review of company codes of conduct and social responsibility, any existing UC policies, and the advice of independent proxy monitor services. This may result in a

vote against management if the company is not reasonably responsive to shareholder concerns.

Lastly, the UC San Diego Annual Financial Report has been combined with the Foundation Annual Report to be more efficient and environmentally friendly.

<http://www-er.ucsd.edu/foundationDir/pdf/UCSDFoundation2007-2008.pdf>

**The website URL where information about the negative screen, divestment effort, and/or direct engagement with companies in which the institution holds investments is available :**

<http://www-er.ucsd.edu/foundationDir/pdf/UCSDFoundation2007-2008.pdf>

# Positive Sustainability Investments

## Criteria

Institution invests in any of the following:

- Sustainable industries, such as renewable energy or sustainable forestry
- Businesses selected for exemplary sustainability performances
- Sustainability investment funds, such as a renewable energy investment fund
- Community development financial institutions (CDFI)
- Socially responsible mutual funds with positive screens.

Investment in a socially responsible mutual fund with only negative screens (i.e. one that excludes egregious offenders or certain industries, such as tobacco or weapons manufacturing) does not count for this credit.

Institutions for which investments are handled by the university system and/or a separate foundation of the institution should report on the investment policies and activities of those entities.

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This credit was marked as **Not Pursuing** so Reporting Fields will not be displayed.

## Student-Managed Sustainable Investment Fund

"---" indicates that no data was submitted for this field

**Does the institution have a student-managed sustainable investment fund through which students are able to develop socially and/or environmentally responsible investment skills and experience with governance? :**

No

**A brief description of the student-managed sustainable investment fund :**

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**The website URL where information about the fund is available :**

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## Sustainable Investment Policy

This credit was marked as **Not Pursuing** so Reporting Fields will not be displayed.

## Investment Disclosure

This credit was marked as **Not Pursuing** so Reporting Fields will not be displayed.

# Public Engagement

This subcategory seeks to recognize institutions that give back to their communities through community service, engagement, and partnerships. Volunteerism and the sense of compassion that community service helps develop are fundamental to achieving sustainability. From tutoring children to removing invasive species to volunteering at a food bank, students, faculty, and staff can make tangible contributions that address sustainability challenges through community service. Community engagement can help students develop leadership skills while deepening their understandings of practical, real-world problems. Institutions can contribute to their communities by harnessing their financial and academic resources to address community needs. For example, faculty research and courses can focus on how to address community problems. In addition, colleges and universities can offer incentives for their graduates to pursue careers that fill community needs, and schools can use their prominence to advocate for sustainability outside of their institutions.

<b>Credit</b>
Community Sustainability Partnerships
Inter-Campus Collaboration on Sustainability
Sustainability in Continuing Education
Community Service Participation
Community Service Hours
Sustainability Policy Advocacy
Trademark Licensing
Graduation Pledge
Community Service on Transcripts
Farmers' Market

# Community Sustainability Partnerships

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## Responsible Party

**Kristin Hansen**  
Sustainability Analyst  
Auxiliary & Plant Services

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## Criteria

Institution has formal partnership(s) with the local community, including school districts, government agencies, non-profit organizations, or other entities, to work together to advance sustainability within the community.

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"---" indicates that no data was submitted for this field

## Does the institution participate in community sustainability partnerships that meet the criteria for this credit? :

Yes

## A brief description of the institution's sustainability partnerships with the local community :

UC San Diego is Co-Founder and Co-Chair of CleanTech San Diego that was recently named the 7th best CleanTech Cluster organization in the world (

<http://cleantech.com/news/5640/top-10-cleantech-clusters>

). Birch Aquarium at SIO has 400,000 visitors annually, including 45,000 school children, which enhances UC San Diego's commitment to outreach by educating all ages about climate change and sustainability. UC San Diego Greenovation Seminars during 2009 with 655 public and campus attendees. UC San Diego supported an initiative creating the first San Diego Alliance for Campus Sustainability, which fosters collaboration on sustainability effort between local colleges and universities. UC San Diego's Institute for the Americas has annually hosted for 19 years the Latin American Energy Conference (

<http://www.iamericas.org/lajolla/>

)

CleanTech partnership:

<http://cleantech.com/news/5640/top-10-cleantech-clusters>

UC San Diego Birch Aquarium:

[http://aquarium.ucsd.edu/exhibits/feeling\\_the\\_~\\_heat/](http://aquarium.ucsd.edu/exhibits/feeling_the_~_heat/)

Greenovation: [esi.ucsd.edu/greenovation/](http://esi.ucsd.edu/greenovation/)

San Diego Alliance for Campus Sustainability: Website pending

Institute of the Americas:

<http://www.iamericas.org/lajolla/>

**The website URL where information about sustainability partnerships is available :**

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# Inter-Campus Collaboration on Sustainability

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## Responsible Party

**Kristin Hansen**  
Sustainability Analyst  
Auxiliary & Plant Services

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## Criteria

Institution collaborates with other colleges and universities to support and help build the campus sustainability community.

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*"---" indicates that no data was submitted for this field*

## Does the institution collaborate with other colleges and universities to support and help build the campus sustainability community? :

Yes

## A brief summary of papers, guides, presentations, and other resources the institution has developed to share their sustainability experience with other institutions :

UC San Diego shares sustainability best practices through presentations at the California Higher Education Sustainability Conference (2010-9 sustainability presenters from UC San Diego). The Sustainability 2.0 brochure is shared with campus visitors. The Sustainability Resource Center has provided tours and presentations on UC San Diego's campus sustainability to national and international Universities from Italy, Australia, Germany, Spain, Singapore, and China.

## The names of local, state, regional, national, and other campus sustainability organizations or consortia in which the institution participates and/or is a member :

The University of California Office of the President coordinates the following monthly system wide sustainability calls which includes representation from all 10 UC campuses:

1. UCOP Green Building Working Group
2. UCOP LEEB EB Working Group
3. UCOP Climate Change Working Group
4. UC Sustainability Officer's Working Group
5. CAHESC Executive Steering Committee
6. SANDAG Energy Working Group (EWG)
7. EV Project Stakeholder's Working Group
8. SDG&E Energy Innovation Center Stakeholder Working Group
9. SDCWA Water "Conservation Action Committee"
10. CleanTech San Diego "CREBs Coalition"

**A brief summary of additional ways the institution collaborates with other campuses to advance sustainability :**

UC San Diego actively participates in the Greenschool listserv administered through the Association for the Advancement of Sustainability in Higher Education. Additionally, UC San Diego utilizes social marketing as a way to augment sustainability outreach efforts. As we follow other institutions sustainability Twitter and Facebook groups, they also follow us to keep up to date on what is happening nationwide.

[www.twitter.com/sustainUCSD](http://www.twitter.com/sustainUCSD)

[www.facebook.com/sustainUCSD](http://www.facebook.com/sustainUCSD)

**The website URL where information about cross-campus collaboration is available :**

<http://www.aashe.org/lists/lists.php>

# Sustainability in Continuing Education

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## Responsible Party

**Thomas Leet**  
Assistant Vice Chancellor  
External & Business Affairs

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## Criteria

### Part 1

Institution offers continuing education courses that are focused on or related to sustainability.

Courses that can be taken for academic credit are not included in this credit. They are covered by the *Curriculum* subcategory.

### Part 2

Institution has a sustainability-related certificate program through its continuing education or extension department.

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*"---" indicates that no data was submitted for this field*

**Does the institution offer continuing education courses that are focused on or related to sustainability? :**

Yes

**Number of sustainability continuing education courses offered :**

10

**Total number of continuing education courses offered :**

330

**Does the institution have a sustainability-related certificate program through its continuing education or extension department? :**

Yes

**A brief description of the certificate program :**

“Green” is the “gold standard” in modern business as industry leaders look for new and improved ways to implement sustainable strategies into their day-to-day operations. This creates a need for educated professionals to steer them in the direction of sustainable practices that make sense for their business model and goals. This certificate program provides an overview of environmental sustainability concepts and how to apply them in a business context. Learn the core principles behind environmental sustainability; explore the “business case” for sustainability; learn strategies for measuring sustainable practices. You will also complete a sustainability assessment of an organization and recommend strategies for improving their operations, policies and programs.

**Year the certificate program was created :**

2008

**The website URL where information about sustainability in continuing education courses is available :**

<http://extension.ucsd.edu/programs/index.cfm?vAction=certDetail&vCertificateID=155&vStudyAreaID=5>

# Community Service Participation

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## Responsible Party

**Ryan Crawford**  
Student Affairs Officer  
Student Life

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## Criteria

Institution engages its student body in community service, as measured by the percentage of students who participate in community service.

Institutions may exclude non-credit, continuing education, and/or part-time students from this credit.

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### Submission Note:

Campus population data can be viewed at:

<http://www.ucop.edu/ucophome/uwnews/stat/statsum/fall2009/statsumm2009.pdf>

*"---" indicates that no data was submitted for this field*

### The number of students engaged in community service :

18528

### Total number of students, which may exclude part-time, continuing education and/or non-credit students :

27325

### The website URL where information about the institution's community service initiatives is available :

<http://studentresearch.ucsd.edu/sriweb/Surveys/UCUES/2008/CORE2008.pdf>

# Community Service Hours

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## Responsible Party

**Ryan Crawford**  
Student Affairs Officer  
Student Life

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## Criteria

Institution engages students in community service, as measured by average hours contributed per full-time student per year.

Institutions may exclude non-credit, continuing education, and/or part-time students from this credit.

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## Submission Note:

Campus population data can be viewed at:

<http://www.ucop.edu/ucophome/uwnews/stat/statsum/fall2009/statsumm2009.pdf>

"---" indicates that no data was submitted for this field

## The number of student community service hours contributed during a one-year period :

1963380

## Total number of students, which may exclude part-time, continuing education and/or non-credit students :

27325

## The website URL where information about the institution's community service initiatives is available :

<http://studentresearch.ucsd.edu/sriweb/Surveys/UCUES/2008/CORE2008.pdf>

# Sustainability Policy Advocacy

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## Responsible Party

**Cano-Stocco Dominique**

Director of State/Local Government Relations

University Communications

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## Criteria

Institution advocates for federal, state, or local public policies that support campus sustainability or that otherwise advance sustainability.

The policy advocacy must be done by the institution, not by students or a student group.

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*"---" indicates that no data was submitted for this field*

**Has the institution advocated for federal, state, and/or local public policies that support campus sustainability or that otherwise advance sustainability? :**

Yes

**A brief description of how the institution engages in public policy advocacy for sustainability, including the issues, bills, and ordinances for or against which the institution has advocated :**

UC San Diego government relations and advocacy staff, in conjunction with UC Office of the President, monitors legislation and funding opportunities that will enhance sustainability efforts. UC San Diego government relations and advocacy staff requests amendments, provides support or opposition letters on legislation, and works with third party advocates to advance sustainability goals with elected officials. UC San Diego hosts events on campus where elected officials have been invited to participate and learn more about our research and collaboration. UC San Diego government relations and advocacy staff are also a resource for elected officials and staff when technology or research issues come-up and legislators or government entities want our evaluation or advice.

**The website URL where information about the institution's advocacy efforts are available :**

<http://advocacy.ucsd.edu/>

# Trademark Licensing

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## Responsible Party

**Don Moon**  
Associate Director  
Bookstore

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## Criteria

### *Part 1*

Institution is a member of the Fair Labor Association or Worker Rights Consortium.

### *Part 2*

Institution has signed on to participate in the Designated Suppliers Program.

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"---" indicates that no data was submitted for this field

**Is the institution a member of the Worker Rights Consortium? :**

Yes

**Is the institution a member of the Fair Labor Association? :**

Yes

**Has the institution expressed intention to participate in the Designated Suppliers Program? :**

Yes

**The website URL where information about the institution's participation in the WRC, FLA, and/or DSP is available :**

<http://fairlabor.org/>

# Graduation Pledge

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## Responsible Party

**Kristin Hansen**

Sustainability Analyst  
Auxiliary & Plant Services

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"--- " indicates that no data was submitted for this field

## Does the institution administer a graduation pledge through which students pledge to consider social and environmental responsibility in future job and other decisions? :

No

## A brief description of the graduation pledge program :

Although UC San Diego does not have an official graduation pledge, UC San Diego provides multiple pledges that students, staff, faculty and community members can take to affirm their social and environmental responsibility. John Muir Week (The week in April that includes John Muir's birthday (April 21), which is also normally Earth Week), UC San Diego's Muir College runs an "I Pledge" program in which they offer incentives to students who pledge to alter their future behavior in some particular way that promotes a more sustainable environment. This pledge includes students' futures at UC San Diego and their futures after graduation. Additionally, the Sustainability Resource Center is sponsoring an Own Your Impact campaign is an awareness movement that challenges community members to own their environmental, fiscal, and social impacts by making the commitment to practice sustainable choices in their daily lives. As the first official campaign endorsed by the UC San Diego sustainability staff and Student Sustainability Collective at the Sustainability Resource Center (SRC), this campaign represents a collaborative effort to utilize the SRC's resources to inspire others to exercise sustainable habits. Own Your Impact is marketed by the SRC and promotes its services offered to the community at large.

<http://muir.ucsd.edu/40Gifts/>

## The website URL where information about the graduation pledge program is available :

<http://ownyourimpact.ucsd.edu/>

## Community Service on Transcripts

"---" indicates that no data was submitted for this field

**Does the institution include community service achievements on student transcripts? :**

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**A brief description of the practice :**

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**The website URL where information about the practice is available :**

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# Farmers' Market

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## Responsible Party

**Kristin Hansen**  
Sustainability Analyst  
Auxiliary & Plant Services

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"---" indicates that no data was submitted for this field

## Does the institution host a farmers' market for the community? :

Yes

## A brief description of the farmers' market :

UC San Diego holds a farmers' market every Tuesday from 10 a.m. to 2 p.m. during Fall, Winter, and Spring quarters on the Town Square in front of the Student Services Center. UC San Diego's Farmers' Market has fresh seasonal local and organic produce, flowers from local growers, vegan lunch vendors, homemade tamales, Asian BBQ, Crepes, and more.

## The website URL where information about the market is available :

[http://www.ucsd.edu/current-students/\\_organizations/student-involvement/events/farmers-market.html](http://www.ucsd.edu/current-students/_organizations/student-involvement/events/farmers-market.html)

# Innovation

## Innovation

These credits recognize institutions that are seeking innovative solutions to sustainability challenges and demonstrating sustainability leadership in ways that are not otherwise captured by STARS.

Credit
Innovation 1
Innovation 2
Innovation 3
Innovation 4

## Responsible Party

**Kristin Hansen**

Sustainability Analyst  
Auxiliary & Plant Services

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## Criteria

- 1) Innovation credits are reserved for new, extraordinary, unique, groundbreaking, or uncommon outcomes, policies, and practices that greatly exceed the highest criterion of an existing STARS credit or are not covered by an existing STARS credit.
  - 2) In general, innovation credits should have roughly similar impacts or be on the same scale as Tier One credits.
  - 3) The innovative practice, policy, program, or outcome should have occurred within the past three years.
  - 4) The innovative practice or program has to be something that the institution has already done; planned activities do not count.
  - 5) An institution can only claim a particular activity as an innovation credit once. When re-submitting for a STARS rating, an innovation credit that the institution submitted previously cannot be re-submitted.
  - 6) Practices, policies, and programs that were once considered innovative but are now widely adopted (e.g. being the first institution to enact a policy 20 years ago that is now common) may not be claimed as innovation credits.
  - 7) Multiple activities or practices whose sum is innovative can be considered for an innovation credit as long as those activities or practices are related. For example, three innovative waste reduction programs in research laboratories could be listed together under a single innovation credit for Greening Laboratories. Listing a series of unrelated accomplishments or events under a single innovation credit is not accepted.
  - 8) While the practices that led to receiving an award may be appropriate for an innovation credit, winning awards and/or high sustainability rankings in other assessments is not, in and of itself, grounds for an innovation credit.
  - 9) Outcomes, policies, and practices that are innovative for the institution's region or school type are eligible for innovation credits.
  - 10) When the innovation is part of a partnership, the summary provided must clearly describe the institution's role in the innovation.
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### Submission Note:

UC San Diego's fair trade purchasing practices are highlighted in the following credits: ER4 Sustainability Outreach and Publications, OP6 Food Purchasing, Tier2-2 Vegan Dining, Tier2-4 Guidelines for Franchisees, and Tier2-4 Guidelines for Franchisees. UC San Diego's Fair Trade University Policy highlights the innovative collaboration between students, staff and faculty, and has made purchasing fair trade practices a university-wide policy.

This credit is a new submission for Sierra Club, but was previously recognized by STARS.

"---" indicates that no data was submitted for this field

**A brief description of the innovative policy, practice, program, or outcome :**

The University of California, San Diego signed one of the strongest fair trade policies of any university in the nation in spring 2010. The policy commits to promoting fair trade certified products, supporting sustainable business practices and humane working conditions that prohibit the use of child labor.

UC San Diego students, staff and faculty worked together to develop the policy, which requires all future food and vendor contracts at UC San Diego to sell 100 percent fair trade coffee, tea and sugar at all locations on campus.

“UC San Diego has made a strong commitment to sustainability, from education to research and campus operations,” said Mark Cunningham, director of Housing, Dining and Hospitality at UC San Diego. “If we show these citizens of tomorrow that they can contribute to sustainability by practicing social consciousness through their purchases, then they’ll take these good consumer habits out into their future world”.

The fair trade campaign was originally conceived by the UC San Diego student organization One Earth One Justice (OEOJ), a group dedicated to raising awareness about environmental and social justice issues. OEOJ worked over the years to successfully advocate that individual vendors on campus phase out non-fair trade products. In 2009, other students groups such as the Student Sustainability Collective (SSC), a student-run component of the UC San Diego Sustainability Resource Center which includes members of OEOJ, worked with faculty and staff to spearhead the campus- wide campaign.

The support of UC San Diego Chancellor Marye Anne Fox and Cunningham was an essential part of the campaign’s success, according to SSC co-founder, Chris Westling.

“This is more than simply a victory for the university or for the students, who have worked hard on this policy for years,” said Yuki Murakami, founder of the SSC. “The signing of the policy represents a huge step in the U.S. fair trade movement.”

The full text of the policy can be found at

<http://adminrecords.ucsd.edu/ppm/docs/541-2.pdf>

**A letter of affirmation from an individual with relevant expertise :**

[Innovation Credit Letter FINAL.pdf](#)

**The website URL where information about the innovation is available :**

<http://ucsdnews.ucsd.edu/newsrel/general/07-15FairTradeUniversity.asp>

### Responsible Party

**Kristin Hansen**

Sustainability Analyst  
Auxiliary & Plant Services

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### Criteria

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  - 9) Outcomes, policies, and practices that are innovative for the institution's region or school type are eligible for innovation credits.
  - 10) When the innovation is part of a partnership, the summary provided must clearly describe the institution's role in the innovation.
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### Submission Note:

This credit is a new submission for Sierra Club, but was previously recognized by STARS.

*"---" indicates that no data was submitted for this field*

### A brief description of the innovative policy, practice, program, or outcome :

Real-time energy monitoring is at the heart of UC San Diego's Smart Grid, a campuswide collection of complex yet efficient energy systems and tools that work in tandem with the national grid to integrate distributed energy resources. Through its partnership with EDSA [STARS Reporting Tool](#) | [AASHE](#) | [Sierra Magazine](#)

and Viridity, UC San Diego can monitor and re-optimize its microgrid hourly to account for fluctuations in usage, weather forecasts and pricing. UC San Diego's collaboration with SANYO to lead to the next generation of solar energy systems and energy management is the first agreement of its kind that SANYO has made with a university in the United States.

The UC San Diego Smart Grid self-generates 82 percent of its power from two 13.5-megawatt gas turbines, one 3-megawatt steam turbine and one 1.2-megawatt solar installation, producing electricity, heat and cooling at a higher degree of efficiency than the local utility and at a lower cost. As of January 2011, UC San Diego contracted and is installing an advanced power system optimization and energy market optimization capability for this smart grid. This system, according to Viridity Energy, employs "autonomous, real-time dispatch of distributed energy resources to integrate large volumes of PV into the UC San Diego microgrid." They added that the "project will aim to overcome significant technology and regulatory barriers to enable wide-scale deployment of distributed solar generation to meet the California Solar Initiative (CSI) goal of 3,000 MW of installed PV."

Byron Washom, Director of Strategic Energy Initiatives for UC San Diego stated, "With UC San Diego's growing renewable energy portfolio, Viridity Energy's optimization solutions will allow us to develop a set of previously undocumented best practices, which will result in rates and incentives that will trigger new customer adoption behaviors while ensuring grid reliability, energy reductions, and new revenues. As both an energy consumer and an educator, this project will allow us to blend those two roles and develop new approaches that will optimize our own energy assets and create a pathway for more widespread adoption."

UC San Diego looks forward to continuing efforts to lead in innovative SmartGrid solutions.

**A letter of affirmation from an individual with relevant expertise :**

[Innovation Credit Letter FINAL.pdf](#)

**The website URL where information about the innovation is available :**

<http://sustainability.ucsd.edu/initiatives/smart-grid.html>

## Innovation 3

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### Responsible Party

**Kristin Hansen**  
Sustainability Analyst  
Auxiliary & Plant Services

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### Criteria

- 1) Innovation credits are reserved for new, extraordinary, unique, groundbreaking, or uncommon outcomes, policies, and practices that greatly exceed the highest criterion of an existing STARS credit or are not covered by an existing STARS credit.
  - 2) In general, innovation credits should have roughly similar impacts or be on the same scale as Tier One credits.
  - 3) The innovative practice, policy, program, or outcome should have occurred within the past three years.
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  - 9) Outcomes, policies, and practices that are innovative for the institution's region or school type are eligible for innovation credits.
  - 10) When the innovation is part of a partnership, the summary provided must clearly describe the institution's role in the innovation.
- 

### Submission Note:

This credit is a new submission for Sierra Club, but was previously recognized by STARS.

*"---" indicates that no data was submitted for this field*

### A brief description of the innovative policy, practice, program, or outcome :

California's goal of generating 33 percent of its power from renewable energy sources by 2020 will be challenging on days when clouds shade acres of solar photovoltaic panels or when thousands of wind turbines spin more slowly during calm weather. However, researchers

[STARS Reporting Tool](#) | [AASHE](#) | [Sierra Magazine](#)

at UC San Diego have developed sophisticated forecasting tools that give California electricity distributors advance notice of meteorological changes that affect solar output. The technology allows energy suppliers to more efficiently schedule their fossil-fuel fired plants or energy-storage facilities to meet the state's demand for electricity.

“If we can correctly forecast the distribution of solar irradiation and wind patterns within a small margin of error, we could rely more on alternative energy sources and less on power generated by fossil fuels,” said Jim Blatchford, senior policy representative for the California Independent System Operator (CAISO), the non-profit organization that coordinates, controls and monitors most of California's electrical power grid.

UC San Diego researchers led by Jan Kleissl, assistant professor of environmental engineering in the Department of Mechanical and Aerospace Engineering, have used 16 weather stations on the 1,200-acre campus to measure solar radiation every second and map clouds continuously. The data can verify a predictive model that uses satellite data to predict how moving clouds will affect the power output of 6,000 photovoltaic panels on the campus.

“While California tries to encourage the development of renewable sources of electricity, the current state of the art does not provide the modeling fidelity needed to optimally integrate all the photovoltaic capacity that will be deployed in California over the next decade,” said Byron Washom, principal investigator of the DOE-funded project and director of Strategic Energy Initiatives at UC San Diego. “As more and more home owners, small businesses and other non-utility groups install photovoltaic systems and connect them to the energy grid, fluctuations in cloudiness over relatively small areas can potentially have significant negative impact on the associated electricity distribution system if not adequately addressed.”

The university is an ideal place to analyze clouds because it is home to engineering and climate researchers, a 1.2-megawatt photovoltaic system, a self-contained energy grid and one of the world's densest collections of roof-mounted weather-monitoring stations that can be used to study meteorological effects on the electrical output of photovoltaic panels.

But Kleissl is using a “total sky imager” to understand clouds much better. The imager records their movements across the entire sky throughout the day. “Some clouds grow or shrink and change shape, while others move across the sky without changing much,” said Kleissl. “So far, we've found that cloud shape changes are difficult to predict, but we will be able to model the cloud movement and its impact on shading of photovoltaic systems with 90 percent accuracy.” The sky above UC San Diego photographed by the imager can be viewed in real time during the daytime at

<http://maeresearch.ucsd.edu/kleissl/demroes/live/TSI.jpg>

Kleissl's experiences have calibrated the sudden, dramatic effects of clouds on the output of photovoltaic panels.

“Once a cloud arrives, the power output from our photovoltaic panels can decrease 40 to 80 percent within a few seconds, and when the cloud leaves the power output increases just as dramatically,” said Kleissl. “Utilities and operators of large power plants want to be able to predict the timing of these transitions so that they can charge up energy storage systems in advance to ‘smooth’ the clear-cloudy transition or prepare other generation to make up for the lost solar power.”

“In the future, electricity generators and energy storage facilities of all scales will likely be able to bid into an hourly market, and the ability to accurately forecast photovoltaic output 1 to 3 hours in advance, despite the variability of the solar resource, would be of immense economic, environmental and operational value,” said Washom.

This technology is expected to eventually be integrated into the management of any grid, large or small.

**A letter of affirmation from an individual with relevant expertise :**

**The website URL where information about the innovation is available :**

<http://solar.ucsd.edu/>

## Innovation 4

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### Responsible Party

**Kristin Hansen**

Sustainability Analyst  
Auxiliary & Plant Services

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### Criteria

- 1) Innovation credits are reserved for new, extraordinary, unique, groundbreaking, or uncommon outcomes, policies, and practices that greatly exceed the highest criterion of an existing STARS credit or are not covered by an existing STARS credit.
  - 2) In general, innovation credits should have roughly similar impacts or be on the same scale as Tier One credits.
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  - 9) Outcomes, policies, and practices that are innovative for the institution's region or school type are eligible for innovation credits.
  - 10) When the innovation is part of a partnership, the summary provided must clearly describe the institution's role in the innovation.
- 

### Submission Note:

This credit is a new submission for Sierra Club, but was previously recognized by STARS.

*"---" indicates that no data was submitted for this field*

### A brief description of the innovative policy, practice, program, or outcome :

The UC San Diego Sustainability Resource Center (SRC) is a living laboratory that houses an innovative solar powered DC-DC lighting system. Initially proposed by students to provide a meeting and brainstorming location for students, faculty, and staff, it is a welcoming [STARS Reporting Tool](#) | [AASHE](#) | [Sierra Magazine](#)

and spacious work, collaboration, and meeting place showcasing campus sustainability efforts and a model environment featuring sustainable design. One example of the sustainable design that contributed to the LEED Gold certification includes the first in the nation DC-DC lighting system that utilizes solar power.

Partnering with the EMerge Alliance industry association, UC San Diego installed a unique direct current to direct current, or DC-DC, lighting system in November of 2009. Historically, native DC power generators required their power to be converted to AC for local distribution, reducing their efficiency and increasing costs. Using native DC power generated from on-site solar panels to drive DC loads directly improves building efficiency, reduces energy costs, and reduces environmental footprints.

The center's one-of-a-kind DC-DC lighting system is both innovative and extremely efficient. The EMerge Alliance standard delivers a flexible platform that allows the SRC to readily adapt to changing lighting needs.

The SRC system uses four photovoltaic solar panels that convert sunlight into clean, renewable direct current power (DC). Energy is saved by not converting the power into alternating current, or AC. Instead, DC power is converted to low-voltage, Class 2 power, for efficient distribution at the room level, eliminating the inefficiency of successive AC to DC power conversions at the device level. Each of these conversions usually cause a 10% loss in energy. DC energy travels to state-of-the-art DC power components, further increasing efficiency and avoiding the 5%-15% total energy loss associated with a conventional lighting system.

An innovative ceiling infrastructure uses safe, low-voltage DC power to energize flexible "plug and play" lighting fixtures that can be moved by occupants as needed. Solid-state, DC-based LED lighting further maximizes energy efficiencies and lighting longevity, due to the absence of heated filaments. The following graphic illustrates this system.

Several details within the center also demonstrate a commitment to energy efficiency. The DC-driven Wattstopper energy-efficient sensors and controls use both light-level and motion sensors to reduce the need for artificial lighting. Once programmed, the LED task lighting can also turn off automatically upon leaving the office. Active Safety photoluminescent (glow-in-the-dark) exit signs are non-electrical, non-radioactive, made from recycled aluminum, and completely recyclable.

The combination of maximizing natural lighting and using DC solar-generated power, along with distributing it as DC directly to highly efficient lighting equipment, define the SRC's unique lighting design. This installation also provides students with the opportunity to research DC-DC grid technology for its configuration efficiencies, and outreach programs through the center enable students to further pursue their sustainability-related interests.

When the solar panels aren't generating energy, the SRC draws from the energy-efficient campus grid. The majority of lighting needs are supplied by clean renewable energy.

In an effort to influence sustainable practices in our community and ensure a more sustainable future, the SRC strives to provide an environment where organizations can collaborate and communities can learn about sustainable solutions by seeing them in use.

**A letter of affirmation from an individual with relevant expertise :**

[Innovation Credit Letter FINAL.pdf](#)

**The website URL where information about the innovation is available :**

<http://src.ucsd.edu/>

# Supplemental

## Supplemental Data

The supplemental section includes reporting fields that are not part of STARS, but that have been requested by campus survey organizations (the Sustainable Endowments Institute, The Princeton Review, and Sierra magazine). Institutions that wish to share their data with one or more of these organizations should complete the fields in full or contact the relevant organization(s) for guidance regarding minimum reporting requirements.

<b>Credit</b>
New Student Orientation
Food Education
Food and Beverage Purchases
Confinement-Free Food Purchases
Vegetarian-Fed Food Purchases
Hormone-Free Food Purchases
Seafood Purchases
Dishware
Energy Initiatives
Energy Use by Type
Procurement
Bike Sharing
Water Initiatives
Endowment
Sustainability Staffing

# New Student Orientation

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## Responsible Party

**Kristin Hansen**  
Sustainability Analyst  
Auxiliary & Plant Services

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## Criteria

Institution provides details about how it incorporates sustainability into new student orientation.

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*"---" indicates that no data was submitted for this field*

**Does new student orientation include presentations, speakers, or skits that address sustainability and take place in large venues that most or all first-year students attend? :**

Yes

**Provide a brief description of the presentations, speakers or skits :**

Sustainability Power Points are provided at the majority of orientation from the Sustainability Program Office.

**Does new student orientation incorporate sustainability information into presentations (e.g., made by Residential Advisors to individual dorm floors)? :**

Yes

**Provide a brief description of the presentations :**

The Sustainability Program Office and Green Campus students table several orientations as well as provide informational powerpoints.

**Does new student orientation actively engage students in activities that raise awareness about sustainability, highlight how sustainability plays out on campus, or allows students to take part in a productive green activity? :**

No

**Provide a brief description of the activities :**

---

**Does the institution make new student orientation more sustainable via efforts such as a zero-waste meal or carbon offsets? :**

Yes

**Provide a brief description of the efforts :**

Many of the orientations have completely phased out bottled water from their activities.

**Does the institution incorporate sustainability into new student orientation in other ways? :**

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**Provide a brief description :**

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# Food Education

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## Responsible Party

**Kristin Hansen**  
Sustainability Analyst  
Auxiliary & Plant Services

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## Criteria

Institution provides education about eco-positive food and gardening techniques.

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*"---" indicates that no data was submitted for this field*

### **Are students educated in an academic class about how to make eco-positive food choices? :**

Yes

### **Provide a brief description :**

Courses such as BILD 22, Human Nutrition discusses our understanding of the basic chemistry and biology of human nutrition; discussions of all aspects of food: nutritional value, diet, nutritional diseases, public health, and public policy.

Additionally, courses such as IRGN 457 provides an examination of public policy analysis, such as cost-benefit analysis and project evaluation, for use in policy formation. Case studies emphasizing the environment, agriculture and food, and economic development are included.

### **Are students educated in dining facilities about how to make eco-positive food choices? :**

---

### **Provide a brief description :**

Dining Halls have education posters that explain recycling, composting and healthy food choices.

### **Are students educated during orientation about how to make eco-positive food choices? :**

Yes

### **Provide a brief description :**

Earl Warren College at UC San Diego created the “Go Green Initiative” to reduce their environmental impact and save money during their student orientation program. Following the lead of the UCSD Housing, Dining, and Hospitality Department which provided each on-campus resident with a reusable water bottle in the Fall, Earl Warren College supplied reusable water bottles for all students involved in orientation. The Resident Advisors (RA’S) for Freshman and Sophomores living on campus are educated about campus sustainability

and conservation during their training process through EcoBootcamp. The RA's are then able to pass on sustainability information to new students living on campus beginning during orientation and continuing throughout the year.

[[http://ssi.ucsd.edu/index.php?option=com\\_content&view=article&id=121&Itemid=18](http://ssi.ucsd.edu/index.php?option=com_content&view=article&id=121&Itemid=18)]

**Are students educated in other venues about how to make eco-positive food choices? :**

Yes

**Provide a brief description :**

The Zone at UC San Diego offers a wide variety of resources that support students in the 8 Dimensions of Well-being-- including health and nutrition. Cooking classes such as Taste of Tuesday are offered on a weekly basis and highlight healthy and environmentally friendly recipes. The Zone is proud to be a one-stop well-being lounge, bringing you fresh daily samples of UCSD's finest...so that you can be your best! Everything at the Zone is FREE upfront and is funded through student fees.

The Urban Farm Initiative is a product of The Sustainable Food Project at UC San Diego. The vision of the Sustainable Food Project is to establish a vibrant experiential learning center such as The Pepper Canyon Farm on the UC San Diego campus that encourages participation in and educates the university's community about sustainable living through the cultivation of sustainably-grown food. On 8,800 sq. feet in Pepper Canyon, The Urban Farm Initiative will be able to grow a variety of organic seasonal crops allowing the UC San Diego community to learn how to grow rich organic food in urban and suburban landscapes.

**Is there a program by which students are encouraged to and/or taught how to grow their own food? :**

Yes

**Provide a brief description of the program :**

Yes, workshops such as Grads that Garden featured through the Zone and the UCSD Community Gardens teach students about organic farming and offer events and programs to get students involved in local gardening and agriculture.

# Food and Beverage Purchases

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## Responsible Party

**Krista Mays**  
Sustainability Manager  
Housing

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## Criteria

Institution provides details of its food and beverage purchases.

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### Submission Note:

11% of food is considered local. (UCSD is located between Mexico, ocean, desert and LA/Orange County. Within 150 miles, the number jumps to 26%. Campus considers local to be 250 miles; based on available data, we estimate 38% of our cafeteria food is local. Campus hosts a weekly organic/local farmers market)

"---" indicates that no data was submitted for this field

**The percentage of food and beverage expenditures that were processed within 100 miles of the institution by a company that is not publicly traded :**

---

**The percentage of food and beverage expenditures that were grown within 100 miles of the institution :**

11

**List what tool your institution is using to track this information (e.g. Center for Environmental Farming Systems or CBORD) :**

Unknown

**List items procured for dining services from on-campus organic garden(s) :**

Several fruits and vegetables are procured from the campus farmers market.

**The percentage of total food and beverage expenditures spent by dining services to procure items from on-campus organic garden(s) :**

---

**List all Fair Trade certified items purchased :**

The UC San Diego Fair Trade policy targets coffee, tea, sugar, chocolate, ice cream and grains. Campus organizations have already made the switch to Fair Trade Products, and many campus vendors are also beginning to make the switch.

# Confinement-Free Food Purchases

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**Responsible Party**

**Krista Mays**  
Sustainability Manager  
Housing

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**Criteria**

Institution provides details of its confinement-free animal product purchases.

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*"---" indicates that no data was submitted for this field*

**Type of cage-free / free-range eggs purchased :**

Cage-free eggs from certified humanly treated chickens

**Percentage purchased :**

100

**Comments :**

100% of all Housing and Dining eggs are cage free.

**Type of confinement-free product purchased (1st product) :**

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**Percentage purchased (1st product) :**

---

**Comments (1st product) :**

---

**Type of confinement-free product purchased (2nd product) :**

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**Percentage purchased (2nd product) :**

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**Comments (2nd product) :**

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**Type of confinement-free product purchased (3rd product) :**

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**Percentage purchased (3rd product) :**

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**Comments (3rd product) :**

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**Type of confinement-free product purchased (4th product) :**

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**Percentage purchased (4th product) :**

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**Comments (4th product) :**

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## Vegetarian-Fed Food Purchases

### Criteria

Institution provides details of its vegetarian-fed animal product purchases.

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This credit was marked as **Not Pursuing** so Reporting Fields will not be displayed.

## Hormone-Free Food Purchases

### Criteria

Institution provides details of its hormone-free animal product purchases.

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This credit was marked as **Not Pursuing** so Reporting Fields will not be displayed.

# Seafood Purchases

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## Responsible Party

**Krista Mays**  
Sustainability Manager  
Housing

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## Criteria

Institution provides details of seafood products purchased that meet Marine Stewardship Council Blue Ecolabel standards and/or Monterey Bay Aquarium Seafood Watch guidelines.

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*"---" indicates that no data was submitted for this field*

### **Type of seafood product purchased that meets Marine Stewardship Council Blue Ecolabel standards and/or Monterey Bay Aquarium Seafood Watch guidelines (1st product) :**

Fish

### **Percentage purchased (1st product) :**

100

### **Standard used (1st product) :**

Monterey Bay Aquarium Seafood Watch guidelines

### **Comments (1st product) :**

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### **Type of seafood product purchased that meets Marine Stewardship Council Blue Ecolabel standards and/or Monterey Bay Aquarium Seafood Watch guidelines (2nd product) :**

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### **Percentage purchased (2nd product) :**

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### **Standard used (2nd product) :**

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### **Comments (2nd product) :**

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**Type of seafood product purchased that meets Marine Stewardship Council Blue Ecolabel standards and/or Monterey Bay Aquarium Seafood Watch guidelines (3rd product) :**

---

**Percentage purchased (3rd product) :**

---

**Standard used (3rd product) :**

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**Comments (3rd product) :**

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**Type of seafood product purchased that meets Marine Stewardship Council Blue Ecolabel standards and/or Monterey Bay Aquarium Seafood Watch guidelines (4th product) :**

---

**Percentage purchased (4th product) :**

---

**Standard used (4th product) :**

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**Comments (4th product) :**

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**Type of seafood product purchased that meets Marine Stewardship Council Blue Ecolabel standards and/or Monterey Bay Aquarium Seafood Watch guidelines (5th product) :**

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**Percentage purchased (5th product) :**

---

**Standard used (5th product) :**

---

**Comments (5th product) :**

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# Dishware

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## Responsible Party

**Krista Mays**  
Sustainability Manager  
Housing

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## Criteria

Institution provides details of the dishware its provides at its dining services locations.

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*"---" indicates that no data was submitted for this field*

**Does the institution offer reusable dishware at its dining services locations? :**

Yes

**Does the institution offer plastic dishware at its dining services locations? :**

Yes

**Does the institution offer polystyrene (Styrofoam) dishware at its dining services locations? :**

No

**Does the institution offer post-consumer recycled content dishware at its dining services locations? :**

Yes

**Does the institution offer biodegradable / compostable dishware at its dining services locations? :**

Yes

**Does the institution offer other types of dishware at its dining services locations? :**

Yes

**Provide a brief description. :**

UC San Diego provides discounted rates for reusable mugs or bottles for cold beverages. \$0.05 for mugs \$0 .99 for reusable bottle as compared to \$1.59 for a glass of soda. Dining halls have a default serving using china and reusables. Students can take th

# Energy Initiatives

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## Responsible Party

**Anna Levitt**

Assistant Campus Energy Manager  
Facilities Management

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## Criteria

Institution provides details about its energy initiatives.

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### Submission Note:

Due to time limitations not all renovations, retrofits, and upgrades have been included in the above totals as of yet.

*"---" indicates that no data was submitted for this field*

**The percentage of total building space square footage that has undergone energy retrofits or renovations within the past three years :**

3

**The percentage of overall energy consumption reduced as a result of retrofits and renovations completed within the past three years :**

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**The percentage of electricity consumption reduced as a result of retrofits and renovations completed within the past three years :**

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**The percentage of thermal energy consumption reduced as a result of retrofits and renovations completed within the past three years :**

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**The combined gross square footage of all buildings that were constructed or underwent renovations in the past three years that are ENERGY STAR labeled :**

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**The names of all buildings that were constructed or underwent renovations in the past three years that are ENERGY STAR labeled :**

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**The combined gross square footage of all buildings that are ENERGY STAR labeled :**

144352

**The names of all buildings that are ENERGY STAR labeled :**

San Diego Super Computer Center.

# Energy Use by Type

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## Responsible Party

**Dave Weil**

Director Building Commissioning & Sustainability  
Auxiliary & Plant Services

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## Criteria

Institution reports its energy use by type.

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*"---" indicates that no data was submitted for this field*

**The percentage of total electricity use from coal. :**

0.25

**The percentage of total electricity use from wind. :**

---

**The percentage of total electricity use from biomass. :**

9

**The percentage of total electricity use from natural gas. :**

88

**The percentage of total electricity use from solar PV. :**

2.50

**The percentage of total electricity use from geothermal. :**

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**The percentage of total electricity use from nuclear. :**

---

**The percentage of total electricity use from hydro. :**

0.25

**The percentage of total electricity use from other. :**

---

**Provide a brief description. :**

The campus operates an advanced microgrid and self generates approximately 95% of its approx. 260 GWH annual electricity load with 1.5 MW of solar PV and a 30 MW natural gas fired, and a 2.8 MW renewable energy fuel cell.

**The percentage of total energy used for heating buildings from coal. :**

0

**The percentage of total energy used for heating buildings from biomass. :**

---

**The percentage of total energy used for heating buildings from electricity. :**

---

**The percentage of total energy used for heating buildings from natural gas. :**

100

**The percentage of total energy used for heating buildings from geothermal. :**

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**The percentage of total energy used for heating buildings from fuel oil. :**

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**The percentage of total energy used for heating buildings from other. :**

---

**Provide a brief description. :**

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**If cogeneration, please explain. :**

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# Procurement

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## Responsible Party

**Edward Johnson**

Senior Director, Chief Procurement Officer  
BFS-Procureents/Contracts

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## Criteria

Institution provides details about its procurement efforts.

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*"---" indicates that no data was submitted for this field*

**The percentage of institutionally purchased appliances that are ENERGY STAR rated (of eligible appliance categories) :**

100

**Does the institution have a policy to purchase ENERGY STAR appliances whenever possible? :**

Yes

**The percentage of expenditures on Forest Stewardship Council (FSC) certified office paper (US/Canadian dollars) :**

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**Does the institution's vendor code or policy require vendors to use less packaging? :**

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## Bike Sharing

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### Responsible Party

**Curt Lutz**

Parking & Transportation Analyst

Parking & Transportation

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### Criteria

Institution reports the number of bicycles available through bike sharing programs.

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#### Submission Note:

Currently, the Triton Bikes recycled bike program offers 86 free, short-term loaner bicycles, with goals to increase to 100. Students, faculty, and staff can check out a free, refurbished bike to ride on campus, or sponsor one or more bikes for departments' use. In 2010, an additional bike repair vendor was added to help expedite the process of completing bikes and making them available to the public.

*"---" indicates that no data was submitted for this field*

### The number of bicycles available through bike sharing programs :

86

## Responsible Party

**Dave Weil**

Director of Building Commissioning and Sustainability  
Facilities Management

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## Criteria

Institution provides details about its water initiatives.

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### Submission Note:

Although the campus has not adopted the wide use of waterless urinals it is pursuing a major retrofit of urinals and toilets to be the most efficient in water consumption. Such installations will include ultra-low flow urinals and some dual flush toilets.

*"---" indicates that no data was submitted for this field*

### Is there is a ban or restriction on selling or distributing bottled water on campus? :

Yes

### Provide a brief description of any bottled water ban or restriction :

Several New Student Orientations have committed to ban bottled water as well as Housing and Dining is investigating the feasibility of completely phasing out bottled water from the dining halls.

### Does the institution meter any of its non-potable water usage? :

Yes

### The percentage of urinals on campus that are waterless :

2

# Endowment

## Criteria

Institution provides details about its endowment.

---

This credit was marked as **Not Pursuing** so Reporting Fields will not be displayed.

# Sustainability Staffing

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## Responsible Party

**Kristin Hansen**  
Sustainability Analyst  
Auxiliary & Plant Services

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## Criteria

Institution reports the amount of weekly time worked by people employed in the sustainability office, if applicable (in full-time equivalent).

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### Submission Note:

The totals above focus on sustainability staff in Building Commissioning & Sustainability, Housing, Dining & Hospitality, Strategic Energy Initiatives, and the Sustainable Solutions Institute.

*"---" indicates that no data was submitted for this field*

### **The amount of weekly time worked by people employed in the sustainability office (in full-time equivalent) :**

750

### **FTE staff on payroll :**

14

### **FTE student intern/fellow :**

17