University of California, Irvine

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.

Credit
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
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Student Sustainability Educators Program

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.

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

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

Program name (1st program) :

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

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

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

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

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

The website URL for 1st Program :

Program name (2nd program) :

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

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

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

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

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

The website URL for 2nd program :

Program name (3rd program) :

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

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

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

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

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

The website URL for 3rd program :

Program name (All other programs) :

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

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

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

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

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

The website URL for all other programs :

Student Sustainability Outreach Campaign

Responsible Party

Richard Demerjian

Director

Office of Environmental Planning and Sustainability

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

"---" *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) :

Reusable Water Bottle Choice

A brief description of the campaign(s) :

UCI Dining Services in collaboration with UCI's student-led Green Initiative Fund (TGIF) initiated a campus-wide campaign to educate the UCI community regarding choices in use of plastic water bottles. This campaign has involved outreach and communication on the energy use and environmental consequences of non-reusable plastic water bottles to raise student awareness, the funding and marketing of reusable stainless steel water bottles distributed to students, and funding for the installation of multiple hydration stations for refilling of reusable bottles.

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

Twenty three hydration stations have been installed to date and more have been approved for installation at the Student Center and Student Housing communities this year. Each hydration station includes signage educating the campus community about the benefits of using personal water bottles and the hydration stations. For every liter of bottled water saved, the campus saves a ¼ liter of oil and 3 liters of water used to produce each bottle. UCI staff will review annual quantities of plastic water bottles sold on campus to gauge the results of this campaign.

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

http://www.asuci.uci.edu/tgif/

Sustainability in New Student Orientation

Responsible Party

Kathy Haq
Manager of Special Projects
Administrative and Business Services

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.

"---" 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 :

Hospitality and Dining Services collaborates with student organizations such as The Green Initiative Fund, Green Campus, and the Real Food Challenge to educate new students on sustainable dining initiatives, including Weigh the Waste, which is held in each dining commons at the beginning and end of each quarter and measures all food wasted/not eaten by students at one meal. The results are shared via posters, so, for example, students learn that 246 diners wasting a total of 416 ounces of food have thrown away the equivalent of 69 pizzas! During Week 1 of the Fall Quarter, Hospitality and Dining Services hands out 4,000 water bottles to incoming freshmen. The students also receive fliers with maps to on-campus "hydration stations." The fliers are used throughout the year to educate students and visitors about the availability of this alternative to single-use plastic water bottles. The Carbon Foodprints campaign uses signage to show diners the relative carbon impact of their food choices. The information appears on posters and napkin holders. Hospitality and Dining Services' Website contains specific information about sustainable dining options. See

http://www.campusdish.com/en-US/CSW/UnivCaliforniaIrvine/Sustainability

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The New Student Handbook: 2012-2013 contains information about sustainable transportation options. The information was also included in the 2011-2012 edition. See:

http://www.newstudents.uci.edu/transportation.php

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

Sustainability Outreach and Publications

Responsible Party

Kathy Haq
Manager of Special Projects
Administrative and Business Services

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 Irvine launched its sustainability website in 2009 to provide a central location where students, faculty, staff, and the public could find information about sustainability policies and practices, research, academics, and student engagement.

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

http://www.sustainability.uci.edu/

Does the institution have a sustainability newsletter? :

No

A brief description of the sustainability newsletter :

The website URL for the sustainability newsletter :

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 :

The "UCI Undergraduate Research Journal," produced by the Undergraduate Research Opportunities Program, is a compilation of outstanding papers submitted by UCI undergraduate students from all disciplines who have completed faculty-mentored research projects or creative activities. It provides a forum for UCI's best undergraduate researchers to showcase their work while enlightening students, the UCI community, high schools, community colleges, funding agencies, and corporations about the strength of UCI's undergraduate research community. See:

http://www.urop.uci.edu/journal.html

UROP also sponsors the UCI Undergraduate Research Symposium, an annual event held in May that allows hundreds of undergraduates the opportunity to present the results of their research or creative activities in a professional setting. Information about student projects is available online. See:

http://www.urop.uci.edu/symposium.html

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

http://www.urop.uci.edu/

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

No

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

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

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 :

UCI introduced "carbon food prints" which is a program that leads students to make responsible decisions in dining and leads them to the food items that have the least adverse affect on our environment. UCI also hosts a series of educational dinners with guest speakers discussing relevant topics around sustainability. Sustainable food choices, information on composting and introduction to the "carbon food print program" is done during freshman orientation events.See:

http://www.campusdish.com/en-US/CSW/UnivCaliforniaIrvine/Sustainability/SustainabilityatUCI.htm

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

http://www.campusdish.com/en-US/CSW/UnivCaliforniaIrvine/Sustainability/

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

No

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

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

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

Yes

A brief description of the sustainability walking map or tour :

The sustainability walking and biking tour highlights green building, transportation, and renewable energy on campus. The walking tour directs visitors around the ring mall where they can view LEED Platinum and Gold rated buildings, bike share stations (Zotwheels), the National Fuel Cell Research Center, and the car share program (Zipcar). They can continue on to also see Gross Hall, a LEED Platinum rated building and the Environment Institute, a LEED Gold rated interior. The biking tour directs visitors to the east campus where they can see the concentrated photovoltaic solar panels, community gardens, habitat restoration efforts, and LEED Gold rated projects.

The website URL of the sustainability walking map or tour :

http://www.sustainability.uci.edu/Resources1/sustainabilitymap3_26_12.pdf

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 Irvine's award-winning Sustainable Transportation program encourages students, faculty, and staff to limit the number of cars UCI puts on the road. The program encourages the UCI community to walk, bike, carpool, vanpool, ride a shuttle, take a train, ride a bus, share a care, or share a bike.

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

http://www.parking.uci.edu/AT/

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 :

The Alliance to Save Energy's Green Campus Program encourages green living and sustainability in campus residential units. The group publishes an informational Website and conducts outreach throughout the year. See:

http://clubs.uci.edu/greencampus/Pages/09%2003%2010%20Newsletter/09%2003%202010%20Newsletters/2

011/UCI%20May%202011%20Newsletter.pdf

Student Housing supports Green Campus efforts and publishes an online Green Living Guide, which is posted on its sustainability website. See:

http://www.housing.uci.edu/sustainability/

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

http://www.housing.uci.edu/documents/sustainability_GreenLivingGuide_20100510.pdf

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 :

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 :

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

A brief description of this material :

The website URL for this material :

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

A brief description of this material :

The website URL for this material :

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

A brief description of this material :

The website URL for this material :

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

A brief description of this material :

The website URL for this material :

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

A brief description of this material :

The website URL for this material :

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

A brief description of this material :

The website URL for this material :

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

A brief description of this material :

The website URL for this material :

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

A brief description of this material :

The website URL for this material :

Student Group

Responsible Party

Kathy Haq
Manager of Special Projects
Administrative and Business Services

"---" 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 :

The Green Initiative Fund (TGIF) was established by UC Irvine's undergraduates in 2009 to create a pool of money to fund projects that make the campus more sustainable by reducing its impact on the environment. The students agreed to assess themselves $3.50 per quarter, making about $120,000 available during the academic year. TGIF is student-run, and the officers evaluate proposals to determine which projects they will fund each year. Since 2009 the students have sponsored more than 65 projects totaling over $302,000. For more information about TGIF, see:

http://www.asuci.uci.edu/tgif/

To see a list of projects that TGIF has funded, go to:

http://www.asuci.uci.edu/tgif/projects/

The UCI arm of the Alliance to Save Energy's Green Campus Program is a student-driven energy efficiency workforce education and training program that generates actual energy savings and trains the next generation of energy efficiency professionals. For more information about Green Campus, see:

http://www.clubs.uci.edu/greencampus/index.html

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

TGIF recently approved a student initiative totaling $30,860 to expand recycling beyond student housing facilities into classroom buildings and high-traffic campus walkways. For classroom interiors, student
volunteers decorated 150 slim-jim recycle bins to encourage recycling while highlighting artistic student murals. For walkways, 180 trash cans are being converted to commingled recycle bins to educate the campus community about the benefits of recycling and to make it

more convenient to recycle. The estimated diversion rate increase from these projects is 69,000 pounds per year, with a cost avoidance of $1,810 per year in landfill fees and an additional revenue stream of $1,760 from the sale of the commingled recycled material. This student initiative does not result in any additional costs (in terms of staffing) to the university.

TGIF provided nearly $32,000 in seed money (pun intended) for the creation of the student-run Ants in Your Plants organic garden. (See ER Tier Two Credit 2.)

Green Campus worked with the Mesa Court [Student] Housing Department to secure a $10,000 grant to fund the retrofit of conventional faucets with sensor-activated faucets in "Vista Vall," one of the sustainability-themed halls on campus, in an effort to conserve water.

"Sustainable U" is one of Green Campus's biggest education and outreach projects. Members partner with the resident advisors in first-year dormitories and organize programs that raise awareness of the environmental impact caused by daily habits. Green Campus members also educate students about the latest sustainability news, give presentations, and teach them how to perform energy audits.

List other student groups that address sustainability :

There are 11 other student groups that address sustainability. See link below.

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

http://www.sustainability.uci.edu/student.html

Organic Garden

Responsible Party

Kathy Haq
Manager of Special Projects
Administrative and Business Services

"---" 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 :

"Ants in Your Plants" (a nod to UC Irvine's anteater mascot) is a permanent, student-run organic community garden established to provide UCI's students with hands-on education on sustainable agriculture and its relationship to the community, the economy, the Earth, and the students themselves. More than 200 students were on hand for the February 5, 2011, groundbreaking, made possible by a $31,970 grant from a student-financed and student-managed sustainability fund, The Green Initiative Fund. (See ER Tier Two Credit 1.) The garden was established at the urging of Students for Sustainability at UCI and the UCI chapter of the Real Food Challenge. The Spring 2012 newsletter is posted online at:

http://us2.campaign-archive1.com/?u=7210b97bc1b3dbc35bfe60c87&id=156dcba80b

The website URL where information about the garden is available :

http://us2.campaign-archive1.com/?u=7210b97bc1b3dbc35bfe60c87&id=156dcba80b

Model Room in a Residence Hall

Responsible Party

Kathy Haq
Manager of Special Projects
Administrative and Business Services

Submission Note:

Student Housing and Green Campus have partnered to provide student residents with information about living sustainably. See
http://www.housing.uci.edu/sustainability/

"---" *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 :

The Green Campus program and Student Housing are partners in "The Green Room," a model room in the Middle Earth housing community that is furnished with environmentally friendly products. Bed sheets and other linens are made of organic cotton, hemp or recycled cloth. Soap and laundry detergent are biodegradable and non-toxic. Mechanical devices are Energy Star certified. Purchase information is attached to each item, making it easy for visitors to incorporate energy-saving practices into their own residences. See

http://www.housing.uci.edu/sustainability/greenroom.asp

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

Model Room in a Residence Hall

Themed Housing

Responsible Party

Kathy Haq
Manager of Special Projects
Administrative and Business Services

Submission Note:

All themed houses are referenced here as sustainability cuts across all disciplines.

"---" *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) :

The Arroyo Vista Academic Theme Houses for 2012-2103 are:

1. Biology Haus (for students interested in the biological sciences)
2. Campuswide Honors Program Houses (for members of the program)
3. Careers in Teaching House (for students interested in becoming K-12th grade teachers)
4. Casa Cesar Chavez – Chicano/Latino Studies House (to assist in the recruitment and retention of Chicano and Latino students)
5. Chemistry House (for students in all fields of Chemistry)
6. Culinary House (with a focus on nutrition and sustainability)
7. Ele Si Rosa Parks – African American Studies (for students interested in the study of African American history and culture)
8. Engineering Design House (for students majoring in or with a strong interest in engineering)
9. Humanities House (providing an intellectual and social environment for students in the humanities)
10. Information and Computer Science House (for students majoring in or with a strong interest in information and computer science)
11. International Peace and Conflict Studies House (for students interested in international affairs, global politics, and peace studies)
12. International Village (for students who want to increase their knowledge and understanding of different cultures)
13. Kaleidoscope House – The Arts/Women's Studies (where students of art history, dance, drama, music, stuio art, and women's studies can live and work together)
14. Social Ecology House (for students majoring in criminology, law and society, psychology and social behavior, urban studies, and social ecology)
15. Spectrum House (focused on creating an inclusive and welcoming campus environment for students of all sexual orientations and gender identities)
16. Student Life and Engagement House (enabling students to learn first-hand about the various leadership and co-curricular involvement opportunities at UC Irvine)

See:

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

The total number of residents in themed housing. :

1034

Sustainable Enterprise

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

A brief description of the enterprise :

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

Sustainability Events

Responsible Party

Kathy Haq
Manager of Special Projects
Administrative and Business Services

"---" 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) :

Because research and shared learning are fundamental to the mission of the University of California, UC Irvine students are encouraged to attend, organize and/or participate in numerous sustainability-related activities held across campus throughout the year. A number of these programs are identified below. However, this is by no means an all-inclusive list of such activities.

UC Irvine's Newkirk Center for Science and Society sponsors the "Toward a Sustainable 21st Century" seminar series, which was begun in 2007.

http://www.newkirkcenter.uci.edu/programs.html

The Newkirk Center launched "Empowering Sutainability on Earth" series in 2011. This involves students from around the world, along with students from UC Irvine. This is discussed as Innovation No. 3.

UC Irvine's Center for Unconventional Security Affairs (CUSA) sponsors the Sustainability Seminar Series, which brings a select group of scholars, researchers, experts, and business leaders to UC Irvine to present a variety of perspectives on choices and challenges related to sustainability. The series was begun in 2010. For information about programs in 2012, see:

http://www.cusa.uci.edu/programs/sustainability_series_2012.html

The Advanced Power and Energy Program and the National Fuel Cell Research Center at UC Irvine annually host the International Colloquium on Environmentally Preferred Advanced Power Generation, which involves significant participation by affiliated graduate and undergraduate student researchers.

http://www.apep.uci.edu/icepag2012/

The UC Irvine Environment Institute's Sustainability Science Team, a cohort of doctoral students from across campus, annually defines a specific problem in sustainability science and develops an approach to understanding the problem and moving toward solutions by working together and with affiliated faculty of the Environment Institute. The cohort takes an introductory course in sustainability science, organizes a seminar series in support of their selected topic, and presents a mini-conference for the campus and community that highlights their research and pragmatic solutions to the problem. The May 29 topic was "Sustainable Agriculture and Farmers' Markets in Southern California." The Institute offers a number of other programs that are open to students, faculty, staff, and the public.

http://environment.uci.edu/public.php

The California Institute for Telecommunications and Information Technology (Calit2) sponsors a number of events throughout the year that are geared toward sustainability. The June 1 symposium, for example, is titled "Renewable Fuels: A Challenge for Technology or for Policy?"

http://www.calit2.uci.edu/calit2-events/SpeakerSeries.aspx?cguid=1B053BED-EE06-4374-BE01-321122

719975

The Department of Earth System Science sponsors a seminar series.

http://www.ess.uci.edu/series/41/2012-04

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

http://www.today.uci.edu/calendar/

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

Outdoors Program

Responsible Party

Doug Tully
Outdoor Adventure Coordinator
Campus Recreation

Submission Note:

UCI also offers several programs that promote service and sustainability for the environment such as the Adopt A Crag clean-up events at Ortega Falls and the Catalina Spring Break Service Trip, which is co-sponsored by the California Environmental Leadership Program at Howland's Landing.

"---" *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 :

The Outdoor Adventure and Boating Program at UCI provides participants opportunities to get outdoors in a variety of classes, trips and paddles. It also includes a 35-foot indoor climbing wall contained within the Anteater Recreation Facility. Programs include backpacking, camping, rock climbing, snowshoeing, SCUBA, surfing, sailing, kayaking and stand up paddleboarding. All of these programs operate within the Leave No Trace principles of wilderness ethics. UCI also uses recreation trips as opportunities to teach participants about the Leave No Trace ethics since there is a strong likelihood that these people will continue to engage in outdoor activities after their college career is completed.

The website URL where information about the program is available :

http://www.campusrec.uci.edu/

Outdoors Program

Themed Semester or Year

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

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

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

The website URL where information about the theme is available :

Themed Semester or Year

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.

Credit
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

Responsible Party

Abby Reyes
Sustainability Researcher
Environment Institute

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.

- <u>Sustainability-focused courses</u> concentrate on the concept of sustainability, including its social, economic, and environmental dimensions, or examine an issue or topic using sustainability as a lens.
- <u>Sustainability-related courses</u> 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.

"---" *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? :

An ad hoc group of UCI faculty from at least three different departments agreed upon the following definition of sustainability in the curriculum:

Sustainability is a dynamic process that recognizes, promotes, and protects the intrinsic value and equitable endurance of natural and human systems in the present and the future. As a dynamic process, sustainability becomes the unifying characteristic of decision-making about and processes of production, consumption, resource use, waste, and ecological systems.

"Sustainability-focused" courses concentrate on sustainability, including its social, economic and environmental dimensions, or examine an issue or topic using sustainability as a lens. The courses provide valuable grounding in the concepts and principles of sustainability. To be sustainability-focused, the majority (50% or more) of the course content (e.g., readings, papers, tests, discussion or other assignments) must focus on at least one of the 13 sustainability criteria listed below.

"Sustainability-related" courses include sustainability as a course component or module, or concentrate on a specific sustainability principle or issue. The courses help build knowledge about a component of sustainability or introduce students to sustainability concepts during part of the course. To be sustainability-related, at least 25% of the course content (e.g., readings, papers, tests, discussion or other assignments) must focus on at least one of the 13 sustainability criteria listed below.

Sustainability Criteria*

1) Sustainability as a concept: the history, politics, culture and science of ideas of sustainability and sustainable development.
2) Natural limits: the relationship between human population and lifestyle in relation to the finite capacity of natural ecosystems (including the global ecosystem) to provide for human needs.
3) Maintaining ecosystems: Natural resource conservation science and practices to maintain the integrity of ecosystems in the face of rising human demands.
4) Business and economics: Re-shaping market conditions to address "market failures" with respect to the environment and to provide incentives for businesses and economic systems to better maintain the integrity of ecosystems.
5) Social capacity: The social factors that support behavioral shifts (including but not limited to economic choices) necessary to enable and encourage societies to live in ways compatible with maintaining the long-term integrity of ecosystems.
6) Social equity: The mutual interactions between social inequality and environmental degradation, including theories of social reforms required to ensure an environmentally healthy and socially just society.
7) Sustainability discourse: The framing and discussion of environmental sustainability in the media, politics, and everyday life.
8) Culture, religion, and ethics: How culture, religion, and ethics—from consumerism to environmental stewardship—shape human behavior toward the natural world.
9) Governance: How legal frameworks and policies shape human behavior toward the natural world.
10) Science and Technology: The role of basic science and technology (broadly and individual technologies) specifically in influencing human impacts on the natural world.
11) Planning and design: Concepts and techniques from urban, regional, and rural planning and/or building design and/or product design that can influence human impacts on the environment and environmental impacts on humans.
12) Sustainability science: The new field of sustainability science that specifically attempts to build interdisciplinary perspectives from the themes (and related academic disciplines) listed above to promote human-environmental balance.
13) Other emerging fields and topics relevant to sustainability.

*This list of sustainability criteria was adapted from Weber State University and University of Oregon's STARS Curriculum Definitions.

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 :

In Fall 2011, the Manager of Special Projects in UCI's Office of Administrative and Business Services, Kathy Haq, compiled a broad list of environment and sustainability courses from the 2011-2012 UCI course catalog. In Winter 2012, the UCI Environment Institute convened a Sustainability Curriculum Assessment Team (SCAT) comprised of 15 student volunteers. They are: Brenna Jordan, Emily McVey, Mikhael Kazzi, Sara Isozaki, Josh Gisi, Karen Thai, Jaimie Wan, Dahnish Shams, Geoff Bernd, Sydney Torres, Ali Murphy, Matt Petrofsky, and Rosie Said. SCAT applied the newly established definition of sustainability in the curriculum to the previously compiled course list to distinguish among courses that were sustainability-focused, sustainability-related, and not related to sustainability. SCAT then cross checked these results against a preliminary sustainability curriculum assessment carried out by a Subcommittee of the UCI Sustainability Committee in 2007 and removed courses that UCI has not offered within the last three years.

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

Yes

The website URL where the sustainability course inventory is posted :

http://environment.uci.edu/education.php

Sustainability-Focused Courses

Responsible Party

Abby Reyes
Sustainability Researcher
Environment Institute

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*.

Submission Note:

1,788 represents the number of individual courses offered at UC Irvine during the 2011-12 academic year.

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

The number of sustainability-focused courses offered :

62

The total number of courses offered :

1788

Number of years covered by the data :

Three

A list of sustainability-focused courses offered :

Please see the referenced URL and the attached list.

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

http://environment.uci.edu/education.php

A copy of the sustainability course inventory :

UC Irvine Sustainability-Focused Courses_2012.pdf

Sustainability-Related Courses

Responsible Party

Abby Reyes
Sustainability Researcher
Environment Institute

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*.

Submission Note:

1,788 represents the number of individual courses offered at UC Irvine during the 2011-12 academic year.

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

The number of sustainability-related courses offered :

69

The total number of courses offered :

1788

Number of years covered by the data :

Three

A list of sustainability-related courses offered :

Please see the referenced URL and the attached list.

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

http://environment.uci.edu/education.php

A copy of the sustainability course inventory :

UC Irvine Sustainability-Related Courses_2012.pdf

Sustainability Courses by Department

Responsible Party

Abby Reyes
Sustainability Researcher
Environment Institute

Criteria

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

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

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

21

The total number of departments that offer courses :

77

A list of departments that offer sustainability courses :

1. Anthropology
2. Biological Sciences
3. Business (Management)
4. Chemical Engineering and Materials Science
5. Chemistry
6. Civil and Environmental Engineering
7. Criminology, Law, and Society
8. Earth System Science
9. Economics
10. Information and Computer Sciences
11. International Studies
12. Law
13. Mechanical and Aerospace Engineering
14. Planning, Policy, and Design
20. Political Science
21. Psychology and Social Behavior
17. Public Health
18. Social Ecology
19. Social Sciences
20. Sociology
21. University Studies (Interdisciplinary Studies)

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

http://environment.uci.edu/education.php

A copy of the sustainability course inventory :

Uc Irvine Sustainability Courses.pdf

Sustainability Learning Outcomes

Responsible Party

Abby Reyes
Sustainability Researcher
Environment Institute

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.

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

The number of graduates covered by the sustainability learning outcomes :

Total number of graduates :

A list of degree programs that have sustainability learning outcomes :

The website URL where the publicly available sustainability course inventory that includes a list of degree programs that have specified sustainability learning outcomes is available :

A copy of the sustainability course inventory :

A list or sample of the sustainability learning outcomes associated with the degree programs :

Undergraduate Program in Sustainability

Responsible Party

Abby Reyes
Sustainability Researcher
Environment Institute

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.

"---" *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) :
BA in Earth and Environmental Studies

The website URL for the program (1st program) :
http://www.ess.uci.edu/undergrad/ba

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

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

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

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

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

Graduate Program in Sustainability

Responsible Party

Abby Reyes
Sustainability Researcher
Environment Institute

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? :

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

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

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

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

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

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

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

Sustainability Immersive Experience

Responsible Party

Abby Reyes
Sustainability Researcher
Environment Institute

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 :

UCI's Undergraduate Research Opportunities Program administers the Summer Undergraduate Research Program, which provides students with the opportunity to become immersed in a research topic full-time over a 10-week period or the equivalent of 400 hours. Students define their own research objectives, which can be sustainability focused. See:

http://www.urop.uci.edu/SURP.html

Social Ecology Field Study Program: The School of Social Ecology requires its students to participate in the field study program, which includes 10-20 hours per week of public service in exchange for academic credit, with an academic component. The program offers students opportunities to choose sustainability-related field study placements. See:

http://students.soceco.uci.edu/pages/field-study-catalog

Professor Peter Bowler offers students academic credit for creative research on sustainability issues (i.e., recycling studies) through Biological Sciences course number 199. See:

http://students.bio.uci.edu/bio199.html

Public Health Brigades: UCI students traveled to Honduras during spring break(March 19-25). For the first four days they worked closely with community members and UCI volunteers to improve basic sanitation infrastructure through the collective construction of latrines, water-storage facilities, eco-stoves, and concrete floors. They also conducted a public health workshop for children and participated in a community assessment where they observed past and present construction projects and collaboratively discussed ways to improve future projects. Toward the end of the trip, they visited orphanages to distribute the hygienic and educational supplies collected throughout the school year.

Global Environmental Brigades: Students travel to Panama for one week during summer quarter to present educational programming to community organizations about waste management and reforestation.

Global Water Brigades: Water Brigades volunteers assist in designing and implementing water
systems to prevent communicable illnesses in communities through 7 day
Water Brigades in Honduras.

Costa Rica Program: Students travel to Costa Rica for one week during spring break for cultural immersion and community-engaged sustainability learning on an eco-farm.

Engineers Without Borders: EWB at UCI is currently partnering with a community in Kenya and is focused on providing the community with alternatives to issues affecting their quality of life. The project is focused around the Endana Secondary School and the surrounding community, which is comprised of several different villages. A team recently traveled to Kenya and performed a technical assessment at the secondary school and a large community health assessment, interviewing households in over five different villages.

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

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.

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

Has the institution conducted a sustainability literacy assessment? :

Did the assessment include a baseline evaluation of students and then a follow-up evaluation of the same cohort? :

A copy of the questions included in the sustainability literacy assessment :

A copy of the questions included in the sustainability literacy assessment :

A brief description of how the assessment was developed :

A brief description of how the assessment was administered :

A brief summary of results from the assessment :

The website URL where information about the literacy assessment is available :

Incentives for Developing Sustainability Courses

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? :

A brief description of the program(s) :

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

The website URL where information about the program is available :

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.

Credit
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

Responsible Party

Kathy Haq
Manager of Special Projects
Administrative and Business Services

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.

"---" 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 :

For the purpose of participating in the AASHE STARS campus rating system, the University of California, Irvine identifies "sustainability research" as any research or creative activity that addresses the equitable endurance of natural and human systems in the present and in the future. These studies can address scientific, technological, legal, economic, ethical, governance, social and other issues that impact the conservation of finite resources for future generations and support long-term environmental and human health.

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

Yes

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

The inventory was created in consultation with knowledgeable faculty, the Office of Academic Affairs, and a review of UCI-hosted websites.

Several steps were taken to identify faculty engaged in sustainability research:
-- An email was sent to all faculty on April 12 asking them to self-identify; some faculty responded not only on their own behalf but also

identified other faculty members who should be included on the list.

-- A follow-up communication was sent to deans and department chairs, asking them to encourage faculty to respond.

-- Various websites were consulted to learn the names of faculty affiliated with centers doing research in this area.

-- Titles and department affiliations were validated with the Office of Academic Personnel, and URLs for faculty profiles were obtained using the campus's online directory.

-- This document was distributed to all listed faculty for final review.

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

Yes

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

http://environment.uci.edu/research.php

Faculty Engaged in Sustainability Research

Responsible Party

Kathy Haq
Manager of Special Projects
Administrative and Business Services

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.

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

The number of faculty members engaged in sustainability research :

186

The total number of faculty members engaged in research :

1176

Names and department affiliations of faculty engaged in sustainability research :

Please see pages 16-21 of the attached inventory. Additional information regarding listed faculty is shown on pages 22-54.

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

http://environment.uci.edu/research.php

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

UC Irvine Sustainability Research Inventory-May 2012 v.2.pdf

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

Findings by a UCI-led research team could explain why computer models long used by the U.S. Environmental Protection Agency, California air regulators, and others significantly underestimate organic aerosols, the major component of smog particles. Such pollution blocks views of mountains and has been linked to everything from asthma to heart attacks. It is also the largest unknown in climate change calculations. Purdue University atmospheric chemist Paul Shepson characterized the findings as "highly significant." The lead

author on the study was Veronique Perraud, a postdoctoral researcher working with pioneering air chemist Barbara Finlayson-Pitts, director of the Atmospheric Integrated Research (Air) UCI Institute and a faculty member in the Department of Chemistry. Donald Dabdub, one of the co-authors, is a faculty member in the Department of Mechanical and Aerospace Engineering. For more information, see:

http://www.uci.edu/features/2012/02/feature_smogpitts_120227.php

and

http://today.uci.edu/news/2012/02/nr_smogpitts_120221.php

A vast network of previously unmapped glaciers on the move from thousands of miles inland to the Antarctic coast has been charted for the first time by UC Irvine scientists. The findings will be critical to tracking future sea rise from climate change. The lead author on the study was Eric Rignot, a professor in the Department of Earth System Science, who called the findings "a game changer for glaciology." Rignot, who is also with NASA's Jet Propulsion Laboratory, and UCI associate project scientists Jeremie Mouginot and Bernd Scheuchl used billions of points of data captured by European, Japanese and Canadian satellites to weed out cloud cover, solar glare and land features. With the aid of NASA technology, they painstakingly pieced together the shape and velocity of glacial formations, including the huge bulk of previously uncharted East Antarctica, which comprises 77 percent of the continent. "The map points out something fundamentally new: that ice moves by slipping along the ground it rests on," said Thomas Wagner, NASA's cryospheric program scientist in Washington. "That's critical knowledge for predicting future sea level rise. It means that if we lose ice at the coasts from the warming ocean, we open the tap to massive amounts of ice in the interior."
said Yves Crevier of the Canadian Space Agency, "To our knowledge, this is the first time that a tightly knit collaboration of civilian space agencies has worked together to create such a huge dataset of this type. It is a dataset of lasting scientific value in assessing the extent and rate of change in polar regions." See:

http://today.uci.edu/news/2011/08/nr_glacier_110818.php

Jim Randerson, a professor in the Department of Earth System Science, and Yang Chan, an assistant project scientist in the department, proved that tiny temperature changes on the surface of distant oceans can be used to predict the severity of upcoming wildfire seasons in Amazon rainforests. These blazes often generate huge plumes of air pollution that can warm the climate and ocean waters even further, creating a vicious cycle. Utilizing NASA satellite weather data and maps of charred acreage and smoke plumes, the scientists painstakingly plotted a decade of water temperature variations and wildfire duration and intensity across central South America. They found that temperature increases of as little as a quarter of a degree on the Atlantic and a single degree Celsius on the Pacific matched up with more severe blazes across broad swaths of the Amazon over the next year. The researchers tested their method by forecasting – based on water temperature readings – South America's 2010 fire season and then checking actual data afterward. Their accuracy was striking. During that year, large temperature increases occurred on both oceans, and several months later, the Amazon rainforest experienced severe drought, creating highly flammable conditions. See:

http://www.uci.edu/features/2012/01/feature_oceanfire_120117.php

Oladele Ogunseitan, chair of UCI's Department of Population Health & Disease Prevention, and others found that modern, light-emitting diode bulbs marketed as safe, environmentally preferable alternatives to traditional lights actually contain lead, arsenic and a dozen other potentially hazardous substances. He and fellow scientists at UCI and UC Davis crunched, leached and measured the tiny, multicolored

bulbs sold in Christmas strands; traffic lights; and automobile headlights and brake lights. Their findings? Low-intensity red lights contained up to eight times the amount of lead allowed under California law, but in general, high-intensity, brighter bulbs had more contaminants than lower ones. White bulbs had the least lead but contained high amounts of nickel. "LEDs are touted as the next generation of lighting. But as we try to find better products that do not deplete energy resources or contribute to global warming, we have to be vigilant about the toxicity hazards of those marketed as replacements," says Ogunseitan, also serves on the a member of the California Department of Toxic Substances Control's Green Ribbon Science Panel. See:

http://www.uci.edu/features/2011/02/feature_led_110228.php

The website URL where information about sustainability research is available :

Departments Engaged in Sustainability Research

Responsible Party

Kathy Haq
Manager of Special Projects
Administrative and Business Services

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.

Submission Note:

UC Irvine is a public research university with a complex organizational structure. UCI officially recognizes 77 organizational units as "departments," and a subset of 28 includes faculty members engaged in sustainability research. Additionally, sustainability research takes place in two schools and a college, bringing the total to 31. There is only one school on campus that does not have faculty engaged in sustainability research.

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

The total number of academic departments that conduct research :

77

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

31

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

Please see pages 14-15 of the attached document for a list of departments in which at least one faculty member engages in sustainability research.

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

http://environment.uci.edu/research.php

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

UC Irvine Sustainability Research Inventory-May 2012 v.2.pdf

Sustainability Research Incentives

Responsible Party

Kathy Haq
Manager of Special Projects
Administrative and Business Services

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 Irvine's Environment Institute makes stipends available to members of its Sustainability Science Team, a cohort of doctoral students from across the UCI campus. This opportunity to participate on the team is presented to doctoral students in the natural sciences, engineering, health sciences, social sciences, social ecology, humanities, law, and the arts. Participation begins after the selected students complete at least one year of their doctoral degree program, and may continue for one or two years. Team members are expected to maintain doctoral standing in their department and their adviser's research group while working during the summer and part-time during the year to address a common problem in sustainability science. Each year the cohort will define a specific problem in sustainability science and develop an approach to understanding the problem and moving toward solutions by working together and with affiliated faculty of the Environment Institute. The cohort will take an introductory course in sustainability science, organize seminar series in support of their selected topic, and present a mini-conference for the campus and community that highlights their research and pragmatic solutions to the problem. See:

http://environment.uci.edu/SustSciTeam.php

UC Irvine's Graduate Division administers Public Impact Fellowships that support doctoral students whose current research has the potential for substantial impact in the public sphere. Ideal candidates are engaged in research designed to significantly improve or enrich

the lives of Californians and/or national and global communities. A number of current recipients are engaged in sustainability-research. Four $10,000 fellowships are awarded annually as well as 10 $1,000 fellowships. Examples of relevant research include studies that aim to improve economic opportunity and well-being, health care, social justice, political participation, cultural engagement, and scientific or technical solutions to pressing social issues. See:

http://www.grad.uci.edu/funding/fellowships-awards/internal/public-impact.html

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

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 :

UC Irvine's Environment Institute grants program funds to UCI researchers for short-term projects (up to one year) that involve two or more principal investigators; reach across disciplines, and ideally across UCI schools or departments; form new collaborations; and build upon the internationally recognized environmental and sustainability-related research at UCI. It is expected that each investigator has an ongoing successful research program and that this grant will expand that research through new collaborations. The only requirement at the end of the project will be delivery of a product that the Institute can assemble into a portfolio to highlight new dimensions in environmental research at UCI. Grants are typically funded at a level of $10,000 to $30,000 in direct costs for up to 12 months.

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

http://environment.uci.edu/proposals.php

Interdisciplinary Research in Tenure and Promotion

Responsible Party

Kathy Haq
Manager of Special Projects
Administrative and Business Services

Criteria

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

"---" 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 :

The UC Irvine Environment Institute is responsible for recruiting eight tenure-track faculty positions at the level of Assistant Professor. Through the Institute, UCI seeks to build on its strengths in environmental research and develop broad, campus-wide collaborations that relate global change, energy, and sustainable resources to societal needs. Faculty recruitment focuses on key anthropogenic systems and forces driving global change today. Specifically, the Institute seeks to hire faculty in the areas of energy, land use, and global change, including related environmental sciences. Recruited faculty teach and conduct research in their primary departments within the School of Biological Sciences, Schools of Physical Sciences, or The Henry Samueli School of Engineering. The candidate's research in science or engineering should fit within these Schools and have broad application to sustainability. In addition, these faculty will work as members of the Environment Institute to strengthen environmental research across UCI. See:

http://environment.uci.edu/recruiting.php

Organized Research Units (ORUs) are academic units established by UC Irvine to provide a supportive infrastructure for interdisciplinary research complementary to the academic goals of departments of instruction and research. ORUs are established on single campuses where Multicampus Research Units, or MRUs, exist on two or more campuses. In accordance with UC Administrative Policies and Procedures Concerning Organized Research Units, ORUs are established on single campuses, whereas Multicampus Research Units (MRUs) exist on two or more campuses.

The functions of an ORU are to facilitate research and research collaborations; disseminate research results through research conferences, meetings and other activities; strengthen graduate and undergraduate education by providing students with training opportunities and access to facilities; seek extramural research funds; and carry out university and public service programs related to the ORU's research expertise. An ORU must be complementary to the academic goals of the University. See:

http://www.research.uci.edu/centers/guidelines_oru.htm

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

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.

Credit
Building Operations and Maintenance
Building Design and Construction
Indoor Air Quality

Building Operations and Maintenance

Responsible Party

Matt Gudorf
Campus Energy Manager
Facilities Management

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" :

8827965 *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 :

8827965 *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 :

0 *Square Feet*

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

0 *Square Feet*

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

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://www.ucop.edu/ucophome/coordrev/policy/sustainable-practices-policy.pdf

An electronic copy of the guidelines or policies :

SustainablePracticesPolicy_August2011Revision_1.pdf

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

July 1, 2004

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

UC Irvine's performance with respect to sustainable building operation and maintenance is measured against metrics established by the campus as well as those delineated in the University of California's Sustainable Practices Policy, originally issued in July 2004 and most recently updated in August 2011. The policy establishes goals, metrics, policies, and procedures in eight areas of sustainable practices that apply to UCI sustainable building operations and maintenance: green building, clean energy, sustainable transportation, climate protection, sustainable operations, waste reduction and recycling, environmentally preferable purchasing, and sustainable food service. Compliance with these policies and procedures is ensured through annual tracking and reporting of adopted metrics.

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

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

Building Design and Construction

Responsible Party

Richard Demerjian

Director

Office of Environmental Planning and Sustainability

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" :

1399214 *Square Feet*

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

410007 *Square Feet*

New building space that is LEED Certified :

0 *Square Feet*

New building space that is LEED Silver certified :

0 *Square Feet*

New building space that is LEED Gold certified :

815545 *Square Feet*

New building space that is LEED Platinum certified :

170912 *Square Feet*

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

http://www.sustainability.uci.edu/Resources1/UC%20Sustainable%20Practices%20Policy.pdf

An electronic copy of the guidelines or policies :

Policy on Sustainable Practices.pdf

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

July 2004, updated August 2011

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

The UC Policy on Sustainable Practices states that all new University of California buildings will achieve LEED-NC 'Silver' certification at a minimum. Design and Construction Services (D&CS) oversees projects to ensure LEED achievement. Since the adoption of the UC Sustainable Practices Policy two buildings have achieved LEED 'Platinum' while 7 have achieved LEED 'Gold'. All new construction over the past three years has attained LEED certification.

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 :

Puerta del Sol Student Apartments
Camino del Sol Student Apartments
Humanities Gateway
Sue and Bill Gross Hall
Environment Institute

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

Medical Education Building
Engineering Unit 3
Social and Behavioral Sciences
Arts Building

Indoor Air Quality

Responsible Party

Matt Gudorf
Campus Energy Manager
Facilities Management

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 :

5826553 *Square Feet*

Total occupied building space :

5826553 *Square Feet*

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

All campus maintained buildings are equipped with MERV 13 filters. Regular monitoring of filter performance is provided by a third-party contract service and includes visual inspection, and pressure drop readings.
Complaints regarding indoor air quality are reported to the Facilities Management Service Desk. There they are electronically logged and archived. Facilities Management HVAC staff investigate and correct issues as they come up. 337,510 square feet are monitored for real-time IAQ with ventilation adjustment for TVOC, Particles, CO_2, CO, humidity, and temperature using the Aircuity Optinet system.

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

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.

Credit
Greenhouse Gas Emissions Inventory
Greenhouse Gas Emissions Reduction
Air Travel Emissions
Local Offsets Program

Greenhouse Gas Emissions Inventory

Responsible Party

Richard Demerjian
Director
Office of Environmental Planning and Sustainability

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.

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

The website URL where the GHG emissions inventory is posted :

http://www.theclimateregistry.org/public-reports/

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

Yes

Does the inventory include emissions from air travel? :

Yes

Does the inventory include emissions from commuting? :

Yes

Does the inventory include embodied emissions from food purchases? :

No

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

Yes

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 :

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

No

If yes, please specify :

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

No

If yes, please specify :

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

No

If yes, please specify :

Greenhouse Gas Emissions Reduction

Responsible Party

Richard Demerjian
Director
Office of Environmental Planning and Sustainability

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.

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

Scope 1 and 2 gross GHG emissions, 2005 :

83930 *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 :

9675

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

20333

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

3972

Scope 1 and 2 gross GHG emissions, performance year :

82135 *Metric Tons of CO2 Equivalent*

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

0 *Metric Tons of CO2 Equivalent*

Carbon offsets purchased, performance year :

0 *Metric Tons of CO2 Equivalent*

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

January 1, 2010 - December 31, 2010

On-campus residents, performance year :

13915

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

19314

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

4303

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

Fall 2010-Fall 2011

Air Travel Emissions

Responsible Party

Richard Demerjian
Director
Office of Environmental Planning and Sustainability

"---" *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 :

The 2007 Climate Action Plan commits UCI to reducing overall greenhouse gas emissions to 2000 levels by 2014, 1990 levels by 2020, and to achieving climate neutrality by 2050. Air travel accounted for 24% of GHG emissions in 2005. Since the baseline year (2005) UCI has reduced air travel GHG emissions from 26,890 CO2E to 25, 280 CO2E while increasing faculty and staff.

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

http://www.sustainability.uci.edu/ClimateActionPlan.html

Local Offsets Program

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? :

A brief description of the program :

The website URL where information about the program is available :

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.

Credit
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

Responsible Party

Jack McManus
Director
UCI Hospitality and Dining

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..

Submission Note:

13% as determined in the 2010 Real Food Challenge audit of residential dining purchases

"---" *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) :

13

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

1. UCI Hospitality and Dining/ARAMARK engage produce vendors proactively to source local produce from growers within 250 miles of campus. Our produce vendor, Freshpoint Produce Company, sends a "Hot Sheet" weekly that points out what produce is locally sourced. UCI then works this into its menu mix where appropriate.
2. UC Irvine includes a minimum amount of certified organic items on its residential dining salad bar.
3. One of the retail dining locations on campus is "Organic Greens To Go," which features made-to-order items where the majority of the menu selections are certified organic.
4. All seafood purchases must meet the Monterey Bay Aquarium Guidelines for Sustainable Seafood.
5. All coffee products purchased for residential dining and Java City Coffee locations are Fair Trade.

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

http://www.campusdish.com/en-US/CSW/UnivCaliforniaIrvine/Sustainability/SustainabilityatUCI.htm

Trayless Dining

Responsible Party

Jack McManus
Director
UCI Hospitality and Dining

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

Does the institution have a trayless dining program in which trays are removed from or not available in dining halls? :

Yes

A brief description of the trayless dining program :

Trays have been eliminated in all locations except for the use of students that have physical disabilities. These are only available on request.

List the year the program was started :

June 1, 2008

The overall percentage of meals served on campus that are trayless :

100

The percentage of meal plan meals served on campus that are trayless :

100

The percentage of retail facility meals served on campus that are trayless :

100

The percentage of conference meals served on campus that are trayless :

100

The website URL where information about the program is available :

http://www.campusdish.com/en-US/CSW/UnivCaliforniaIrvine/Sustainability/SustainabilityatUCI.htm

Vegan Dining

"---" 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 :

Vegan and vegetarian entrees are highlighted in residential dining and retail programs across campus. UCI is developing vegan dining brochures. Vegan and vegetarian options are offered at every meal. In addition, a comprehensive line of "grab and go" vegan entrees and food products are available in campus convenience stores.

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

http://www.campusdish.com/en-US/CSW/UnivCaliforniaIrvine/FreshHealthy/FreshandHealthyHome.htm

Vegan Dining

Trans-Fats

Responsible Party

Jack McManus
Director
UCI Hospitality and Dining

"---" 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 :

All fried foods are prepared in oils that do not include trans-fats.

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

Guidelines for Franchisees

Responsible Party

Jack McManus
Director
UCI Hospitality and Dining

"---" 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 :

All franchisees must adhere to the policy of not serving product in Styrofoam packaging.

The website URL where information about the guidelines is available :

Pre-Consumer Food Waste Composting

Responsible Party

Jack McManus
Director
UCI Hospitality and Dining

Submission Note:

Conference meals, as noted above, are those tracked by Event Services in the Student Center.

Mesa Commons was the first zero-waste facility on the UCI Campus. Four other dining locations will soon be designated zero waste.

See also:

http://www.fm.uci.edu/units/recyling_refuse.html

"---" 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 :

All pre-consumer food waste is weighed and logged in all dining locations. In many dining locations pre-consumer food waste is placed in bins to be transported offsite to Rainbow Recycling for composting.

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

50

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

100

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

30

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

50

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

http://www.campusdish.com/en-US/CSW/UnivCaliforniaIrvine/Sustainability/SustainabilityatUCI.htm

PostConsumer Food Waste Composting

Responsible Party

Jack McManus
Director
UCI Hospitality and Dining

Submission Note:

The percentage of overall meals for which post-consumer composting is available:

Residential dining venues = 100%

Catered food returned to catering kitchen = 100%

Retail dining = 1%

Mesa Commons was the first zero-waste facility on the UCI campus. Four other dining locations will soon be designated zero waste.

See also:

http://www.fm.uci.edu/units/recyling_refuse.html

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

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

Yes

A brief description of the postconsumer food waste composting program :

Post-consumer food in all residential locations is placed in waste bins that are picked up by Rainbow Recycling Company along with pre-consumer food waste for off-site composting. Post-consumer food waste returned to the catering kitchen is also sent to Rainbow Recycling for composting. There is some post-consumer food waste in retail going to compost. This includes coffee grounds.

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

100

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

100

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

25

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

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

http://www.campusdish.com/en-US/CSW/UnivCaliforniaIrvine/Sustainability/SustainabilityatUCI.htm

Food Donation

"---" 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 :

UCI Dining works with America's Second Harvest to donate leftover foods to the local community. To ensure that a sustainable balance is made between preparing just the right amount of food and having a minimal amount left over, our knowledgeable food service managers estimate the amount of diners expected for each meal service. This estimate is based on dining traffic and food consumption trends.

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

http://www.campusdish.com/en-US/CSW/UnivCaliforniaIrvine/Sustainability/SustainabilityatUCI.htm

Recycled Content Napkins

"---" 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 :

All foodservice locations purchase recycled content napkins for consumer use.

Here is the specific product:
SYSCO XPRESSNAP NAPKIN
1/4 FOLD NATURAL
8.5 X 13
ENVIROMENTALLY FRIENDLY
MADE FROM PRECONSUMER
RECYCLED MATERIAL

The website URL where information about the purchasing is available :

http://www.campusdish.com/en-US/CSW/UnivCaliforniaIrvine/Sustainability/SustainabilityatUCI.htm

Reusable Container Discounts

Responsible Party

Jack McManus
Director
UCI Hospitality and Dining

"---" 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 :

Over the last two years, more than 5,000 reusable water bottles were distributed to first-year freshman for re-use in our dining locations.
Java City: Customers pay only 99 cents when they bring their own 20 oz. or less sized mug/cup (good at all locations).
Einstein Bros Bagels: Customers pay only 99 cents when refilling 16 oz. or 20 oz. cups.
Starbucks: Customers get a 10 cent discount when they bring their own mugs.

Amount of the discount offered for using reusable mugs :

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

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

Reusable To-Go Containers

Responsible Party

Jack McManus
Director
UCI Hospitality and Dining

Submission Note:

This program is in its second year and is very successful. Hundreds if not thousands of cases of paper to-go boxes have been eliminated and thus diverted from the landfill.

"---" *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 :

Reusable to-go containers are sold at cost at all of the residential dining locations and can be used at all food locations on campus. In addition, these containers were given to many of our incoming freshman. In total, more than 1,800 students now have reusable to-go containers and are using them. Reusable to-go containers are dropped off for cleaning by our students at all residential dining locations. They are reissued a clean container. This is a hugely successful program.

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

http://www.campusdish.com/en-US/CSW/UnivCaliforniaIrvine/Sustainability/SustainabilityatUCI.htm

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.

Credit
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

Responsible Party

Matt Gudorf
Campus Energy Manager
Facilities Management

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

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

Total building energy consumption, 2005 :

1983028 *MMBtu*

Building space, 2005 :

8827965 *Gross Square Feet*

Total building energy consumption, performance year :

1645365 *MMBtu*

Building space, performance year :

10349784 *Gross Square Feet*

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

Jan. 1, 2011 - Dec. 31, 2011

Clean and Renewable Energy

Responsible Party

Matt Gudorf
Campus Energy Manager
Facilities Management

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

"---" 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 :

0 *MMBtu*

Option 2: Non-electric renewable energy generated :

0 *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 :

0 *MMBtu*

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

340704 *MMBtu*

Total energy consumed during the performance year :

1645365 *MMBtu*

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

UC Irvine has installed 895 kW DC of roof-mounted fixed tilt solar PV. We purchase the electricity from the system through a Power Purchase Agreement (PPA). The system has been in place since 2008. Beginning in January 2012, UCI installed two ground-mounted solar tracking concentrated solar PV systems (Amonix), which produce approximately 120 kW DC. The campus has plans to install up to another megawwatt of these panels on a closed land fill (brown field) site near campus.
As part of the Power Purchase Agreement, the University did not retain the renewable energy credits during the performance year for the existing fixed tilt array. The array generated 1,505,357 kWh during calendar year 2011.

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

N/A

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

N/A

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

N/A

A brief description of cogeneration technologies deployed :

In 2007, the campus added a combined cycle combustion turbine and steam turbine generating plant to its existing award-winning central heating and cooling plant, which provides 95-plus percent of the heating and cooling to the core campus facilities. The cogeneration facility uses a Solar Turbines Titan combustion turbine with an available steam turbine for additional energy recovery. Emissions are tightly controlled with NOx emissions below 2 ppm by volume. The generating plant provides 75.4% of the electricity used.

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

Timers for Temperature Control

Responsible Party

Matt Gudorf
Campus Energy Manager
Facilities Management

Submission Note:

UC Irvine not only makes use of scheduling software to control building run times but has adopted occupancy control of individual zones to eliminate wasteful energy use supplying conditioned air to unoccupied areas. With tight scheduling and varied work patterns that take place on a university campus UC Irvine utilizes push button over ride for off hour work in office areas to further reduce wasteful ventilation.

"---" *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 :

UC Irvine uses a networked campus-wide building energy management system. Some buildings have Siemens' Apogee® and Johnson Controls' Metasys® systems, while laboratory buildings utilize Phoenix Controls lab air control systems. Space scheduling and run times are continually updated and evaluated by the energy management system shop according to class and event schedules. In addition to these systems Aircuity's Optinet system is deployed in 11 lab buildings allowing for both indoor air quality control of air change rates as well as occupancy based control.

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

95

The website URL where information about the practice is available :

Lighting Sensors

Responsible Party

Matt Gudorf
Campus Energy Manager
Facilities Management

"---" 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 :

UC Irvine makes use of occupancy sensors: both wall and ceiling mount. The choice between single technology and dual technology is space driven due to layout, and the selection is made on a case-by-case basis at the time of installation. UC Irvine has installed bi-level lighting in stairwells throughout campus in addition to extensive recuirting, allowing for a policy of auto on to 50% manual on to 100% and auto off. Daylighting technology is installed within 15 feet of the window line for buildings constructed within the last three years. Lighting control systems are also used for parking structures, allowing perimeter fixtures to be turned off during daylight hours. All parking structure lighting has been retrofitted to 70W/35W occupancy-based induction lighting.

The percentage of building space with lighting sensors :

95

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

LED Lighting

Responsible Party

Matt Gudorf
Campus Energy Manager
Facilities Management

Submission Note:

80% of parking deck space utilizes 70W/35W bi-level induction lighting retrofitted in 2009.

All linear fluorescent lamps have been retrofitted to 25W T8 with Reduced Light Output ballast (.71 BF).

Lobbies, atriums, and entryways make use of daylighting or time clock based control.

All incandescent lighting on campus was retrofitted to compact fluorescent.
Lighting is circuited or recircuited to allow for auto on to 50%, manual on to 100% and auto off in offices and labs to encourage use of reduced lighting levels and task lighting.

"---" *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 :

UC Irvine uses the Redwood Lighting System.

The percentage of building space with LED lighting :

0.05

The percentage of parking deck space with LED lighting :

20

The percentage of outdoor space that uses LED lighting :

0

The percentage of building space with efficient, non-LED lighting (compact fluorescent, automatic daylight shutoff, or other energy-saving features) :

98

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

Vending Machine Sensors

Responsible Party

Matt Gudorf
Campus Energy Manager
Facilities Management

"---" 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 :

VendingMiser® uses a passive infrared sensor to power down the machine when the surrounding area is vacant, monitor the room's temperature, and automatically repower the cooling system at one- to three-hour intervals, independent of sales, ensuring the product stays cold.

The percentage of vending machines with sensors :

10

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

Energy Management System

Responsible Party

Matt Gudorf
Campus Energy Manager
Facilities Management

"---" 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 :

UC Irvine uses a networked campus-wide building energy management system. Some buildings use Siemens' Apogee® and Johnson Controls' Metasys® systems, while the laboratory building utilize Phoenix Controls lab air control systems. Space scheduling and run times are continually updated and evaluated by the EMS shop according to class and event schedules. In addition to these systems, Aircuity's Optinet system is deployed in 11 lab buildings allowing for both indoor air quality control of air change rates as well as occupancy based control.

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

70

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

System shutdowns are dependent on the building type and space use. Classroom and educational facilities systems include supply and exhaust fan shutdown as well as district heating and cooling system valve closure. Buildings containing critical infrastructure or server rooms will command VAV boxes in zones where appropriate to close and the temperature dead band in those spaces to be reset to an unoccupied mode.

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

Energy Metering

Responsible Party

Matt Gudorf
Campus Energy Manager
Facilities Management

"---" 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 :

UC Irvine utilizes Schneider Electric's PowerLogic™ ION Enterprise power management software to track real-time power quality and reliability, allowing staff to respond quickly to alarms to avoid critical situations. This allows Facilities Management staff to work closely with the UC Irvine research community to evaluate historical energy data to discover trends, waste, and potential targets for improvement. It also allows Facilities Management to more accurately allocate costs to buildings, departments, and even processes. In addition, MelRok© sub-metering is installed in three campus buildings to monitor lighting, plug, and building system usage at the panel level.

The percentage of building space with energy metering :

70

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

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.

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

Grounds

Integrated Pest Management

Responsible Party

Richard Demerjian

Director

Office of Environmental Planning and Sustainability

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 :

220 *Acres*

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

220 *Acres*

A brief description of the IPM plan(s) :

UCI's pest control program is centered on an Integrated Pest Management (IPM) system that employs physical, mechanical, cultural, biological, and educational methods to limit pest problems. The least toxic chemical pesticides are used only as a last resort. Basic pest management principles allow the campus community to prevent pest problems and find the best pest control solutions. The basic principles include storing food appropriately, keeping work areas clean and uncluttered, removing recycling and trash regularly, and checking insect entry points to make sure they are properly sealed.

The goals of the IPM program at UCI are:
1. Protect human health and the surrounding environment by employing a range of preventative strategies and using least-toxic products for pest control and eradication.
2. Inspect and monitor pest populations and locations to enhance control strategies.
3. Minimize the quantity and toxicity of chemicals used for pest management.
4. Minimize environmental impacts by using species-specific pesticides and targeting application areas carefully.
5. Establish clear criteria for acceptable circumstances in which using a pesticide other than a least-toxic pesticide is necessary; toxic pesticides shall only be used when there is a threat to public health and safety, or to prevent economic or environmental damage, and only

after other alternatives have been implemented and are shown to be ineffective.

6. Provide building occupants and visitors with advanced notice of IPM activities involving use of a pesticide other than a least-toxic pesticide.

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

http://www.fm.uci.edu/units/pest_mgt.html

Native Plants

Responsible Party

Richard Demerjian
Director
Office of Environmental Planning and Sustainability

"---" 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 :

The Green and Gold Plan, the campus's landscape management plan, has four goals, one of which is to "develop a landscape that is sustainable and provides for long-term conservation of resources: energy, water, labor, and reduced production of green waste." In order to meet this goal the plan further specifies the use of native and other environmentally suitable plant materials. Beyond the use of natives, or other drought-tolerant plants, the campus also seeks diversity in species and age to ensure the health of the campus's urban forest.

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

http://www.ceplanning.uci.edu/green_gold_8-2000.pdf

Wildlife Habitat

Responsible Party

Richard Demerjian
Director
Office of Environmental Planning and Sustainability

"---" 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 :

UC Irvine manages a total of 721 acres of open space for the purpose of protecting wildlife habitat. Within the campus boundary, 135 acres are designated as permanent habitat within a cooperative management program that encompasses over 37,000 acres of habitat reserve known as the Natural Communities Conservation Planning (NCCP). UCI enrolled in the NCCP program, whose mission is to provide protection of habitat and wildlife diversity, in 1996.

UCI also manages 586 acres of open space off campus that are a part of the University of California Natural Reserve System. The 202 acre San Joaquin Marsh Reserve is adjacent to campus and is one of the last remnant wetlands of Orange County. UCI also manages two habitat areas outside Orange County, the 306 acre Burns Pinon Ridge Reserve in San Bernardino County and the 78 acre Steele/Burnand Anza Borrego Desert Research Center in San Diego County. See

http://nrs.ucop.edu/by_campus.htm

.

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

http://www.dfg.ca.gov/habcon/nccp/status/OrangeCoastal/

Tree Campus USA

Responsible Party

Richard Demerjian
Director
Office of Environmental Planning and Sustainability

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 :

UC Irvine recently was named a "Tree Campus USA" for the second year in a row. The Green and Gold Plan, a supporting element of UCI's Long Range Development Plan, guides the sustainable planning and management of the campus's urban forest. A tenant of the 1963 LRDP landscape supplement was for the campus to be landscaped as an arboretum with species that are environmentally suited to the campus site. The Green and Gold Plan ensures this tenant through a tree list that includes a diversity of species to ensure the long-term health of UCI's urban forest and environmentally sound landscape management practices. The UCI advisory tree committee is comprised of faculty, students, and staff, provide advice to the campus regarding UCI's sustainable landscape program. See

http://today.uci.edu/news/2011/04/nr_earthday_110421.php

.

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

http://www.ceplanning.uci.edu/greengold.html

Snow and Ice Removal

Responsible Party

Kathy Haq
Manager of Special Projects
Administrative and Business Services

"---" 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? :

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

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

Snow and Ice Removal

Landscape Waste Composting

Responsible Party

Anne Krieghoff
Solid Waste and Recycling Manager
Facilities Management

"---" 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 :

UC Irvine composts or mulches 100% of its landscape waste. In 2011, the green waste totaled 2,509 tons. The campus uses two methods of mulching: It uses self-mulching mowers on grass and annually chips 150-plus tons of tree limb material for planting beds and park trails on campus. The remaining green waste is collected daily by grounds keepers as they clip and trim, and is separated by source in the the campus's recycle yard. The material remains in this state for two to three days to reduce moisture content and volume. The green waste is then loaded into 40-yard containers that typically hold 8 tons. UC Irvine takes two or three of these containers weekly to Rainbow Environmental Services, Inc., which is 9 miles from campus. The material is ground and then taken another 8 miles, in even larger loads, to Seal Beach Naval Weapons Station, where it is composted using the traditional windrow method. The "cured" compost is sold by Rainbow Environmental in bulk or bags. It has also been sold in small bags at an area discount store.

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

47

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

56

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

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.

Credit
Computer Purchasing
Cleaning Products Purchasing
Office Paper Purchasing
Vendor Code of Conduct
Historically Underutilized Businesses
Local Businesses

Computer Purchasing

Responsible Party

Rick Coulon
Interim Director
Materiel and Risk Management

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.

"---" *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.ucop.edu/ucophome/coordrev/policy/sustainable-practices-policy.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's Sustainable Practices Policy, originally issued in July 2004 and updated in August 2011, has an entire section on Environmentally Preferable Purchasing Practices. The sections referencing EPEAT appear below. UCI primilary purchases equipment with the "gold" registration.

Electronics Equipment
24. All desktop computers, laptops, and computer monitors purchased by the University are required to have achieved a minimum Bronze-level registration or higher under the Electronic Products Environmental Assessment Tool (EPEAT®), where applicable.
25. Preference will be given for electronics products that have achieved EPEAT® Silver or EPEAT® Gold registration. The registration criteria and a list of all registered equipment are provided at

http://www.epeat.net

.

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 :

831455 *US/Canadian $*

Expenditures on EPEAT Silver desktop and laptop computers and monitors :

2057 *US/Canadian $*

Total expenditures on desktop and laptop computers and monitors :

1075543 *US/Canadian $*

Cleaning Products Purchasing

Responsible Party

Rick Coulon
Interim Director
Materiel and Risk Management

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.

"---" *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://snap.uci.edu/viewXmlFile.jsp?resourceID=2639

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

Potential users of cleaning products are directed to the campus URL listing links to green products. Facilities Management personnel are made aware of green products and encouraged to use them.

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

No

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

Total expenditures on cleaning products :

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

Office Paper Purchasing

Responsible Party

Rick Coulon
Interim Director
Materiel and Risk Management

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.

"---" *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://snap.uci.edu/viewXmlFile.jsp?resourceID=2639

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 strategic sourcing agreements that promote the use of recycled paper. Recycled paper is heavily advertised and easily identified when shopping. We recommend using at least 30% post-consumer recycled paper.

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 :
104 *US/Canadian $*

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

235542 *US/Canadian $*

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

7746 *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 :

11458 *US/Canadian $*

Total expenditures on office paper :

272852 *US/Canadian $*

Vendor Code of Conduct

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.

"---" *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.ucop.edu/ucophome/coordrev/policy/sustainable-practices-policy.pdf

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

SustainablePracticesPolicy_August2011Revision.pdf

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 :

UC Irvine, in collaboration with the University of California system, has implemented effective sustainability programs, processes and policies. Environmentally friendly practices are built into our strategic sourcing agreements. Vendors are encouraged to use sustainable practices in the packaging and shipment of products. Recyclable, recycled and environmentally sound products are encouraged throughout the UC system. UCI operates its own second-hand store that specializes in finding continued life for used equipment and supplies, while diverting these items from the landfill.

Specific sustainability practices are written into agreements with various vendors:
• Elimination of packaging where applicable
• Use of recyclable packing materials, bio degradable or non-toxic
• Take-back programs that require recycling
• Use of recyclable materials
• Availability and highlighting of green options
• e-Steward Certification for recycling of electronics

Historically Underutilized Businesses

Responsible Party

Rick Coulon
Interim Director
Materiel and Risk Management

"---" 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 Irvine maintains a Small Business Development and Sustainability Coordinator position. This positions acts as a liaison to the small and disadvantaged business community and helps to open doors to UCI business opportunities.

The Small Business Program provides the following services to the campus and business communities:

• Identifies suppliers of goods/services for possible use by UCI.

• Creates a favorable atmosphere for business contracting with small business enterprises.

• Counsels vendors on how to do business with UCI.

• Provides key campus buying personnel with vendor source materials in the form of directories and source lists.

• Acts as liaison between small business vendors and campus buyers, referring vendors to the procurement specialists as appropriate.

Small businesses interested in doing business with UCI may register with the Small Business Program. This is not a requirement, but if businesses register, information about that company will be entered into appropriate vendor data systems. The data will then be made available to campus buyers.

The Small Business Coordinator also is involved in outreach activities and hosts business fairs directly benefiting small and disadvantaged business while also encouraging the use of green and sustainable products and services.

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

http://snap.uci.edu/viewXmlFile.jsp?resourceID=526

Local Businesses

Responsible Party

Rick Coulon
Interim Director
Materiel and Risk Management

"---" *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 :

UCI relies on local, small and disadvantaged business to provide valuable goods and services. Strategic sourcing efforts are designed to allow for these additional vendors to fill out the campus's diverse supplier catalog. UCI's Small Business Coordinator reaches out to these companies through local trade fairs and meetings. Additionally, UCI utilizes these businesses to meet its federal subcontract plans.

See:

http://snap.uci.edu/viewXmlFile.jsp?resourceID=526

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.

Credit
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

Campus Fleet

Responsible Party

Gene Allen
Fleet Services Manager
Fleet Services

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.

Submission Note:

UC Irvine operates a hydrogen fueling station on campus and has a B20 tank. The 17 hydrogen fuel cell vehicles (managed through the National Fuel Cell Research Center) fuel on campus, and the 50 vehicles using biofuel run on B20 year-round. The total fleet of 524 includes 317 fleet vehicles, 17 hydrogen fuel cell vehicles, and 190 campus carts. 48% of the fleet (253) are electric, hybrid or alternative-fuel vehicles.

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

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

4

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

2

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

5

100 percent electric vehicles in the institution's fleet :

173

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

2

Hydrogen fueled vehicles in the institution's fleet :

17

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

50

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 :

524

Student Commute Modal Split

Responsible Party

Michael Davis
Assistant Director, Sustainable Transportation
Transportation and Distribution Services

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:

These numbers are taken from the annual South Coast Air Quality Management District commute survey (based on graduate student responses). This survey, required of all institutions with 250 or more employees, shows that UC Irvine has the highest Average Vehicle Ridership for any large organization in the SCAQMD. In fact, our AVR of 1.89 places UC Irvine in the top 2.6% of all institutions in the Southern California region.

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

The percentage (0-100) of institution's students who use more sustainable commuting options :

69

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 :

31

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 :

51

The percentage (0-100) of institution's students who vanpool or carpool as their primary method of transportation :

11

The percentage (0-100) of institution's students who take a campus shuttle or public transportation as their primary method of transportation :

6

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://www.parking.uci.edu/AT/

Employee Commute Modal Split

Responsible Party

Michael Davis
Assistant Director, Sustainable Transportation
Transportation and Distribution Services

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.

Submission Note:

These numbers are taken from the annual South Coast Air Quality Management District commute survey (based on all employee responses).

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

The percentage (0-100) of institution's employees that use more sustainable commuting options :
54

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 :
46

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 :
33

The percentage (0-100) of institution's employees who vanpool or carpool as their primary method of transportation :
16.50

The percentage (0-100) of institution's employees who take a campus shuttle or public transportation as their primary method of transportation :
3.50

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://www.parking.uci.edu/AT/

Bicycle Sharing

Responsible Party

Michael Davis
Assistant Director, Sustainable Transportation
Transportation and Distribution Services

Submission Note:

ZotWheels has garnered the following awards:

2011 American Society for Public Administration President's Award
2010 Green California Leadership Award
2010 Campus Technology Innovator Award
2010 MTA/OCTA/VCTC Rideshare Diamond Award

"---" 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.) :

UC Irvine's ZotWheels program is the first fully automated bikeshare program in the Western United States and only the second such program at an American university.

With four stations around the campus core, ZotWheels provides support for the University's sustainable transportation efforts. The 40 ZotWheels bikes provide an option for errands, cross-campus treks, or last-mile transportation for those commuting by transit, carpool, or vanpool.

The ZotWheels system utilizes RFID readers and WiFi technology to track bikes. Members use a magnetic-strip card to access bikes at any of the stations. The system tracks usage, even sending real-time email or text messages to users regarding rental status.

Since ZotWheels inception in October 2009, it is estimated that the system has saved 8 to 12 metric tons of greenhouse gas emissions.

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

http://www.parking.uci.edu/zotwheels/main.cfm

Facilities for Bicyclists

Does the institution have indoor and secure bike storage, shower facilities, and lockers for bicycle commuters in at least one building? :

A brief description of the facilities :

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

Bicycle and Pedestrian Plan

Responsible Party

Richard Demerjian
Director
Office of Environmental Planning and Sustainability

Submission Note:

Specific campus bicycle plans are created for bike parking, bike-sharing, bicycle safety and enforcement, and bicycle improvements. The campus is designated a silver level Bicycle Friendly University by the League of American Bicyclists. In addition, the city of Irvine, in which UC Irvine is cited, has included the campus in its Bicycle Transportation Plan (revised 2011) and works in partnership with campus planners and transportation staff to apply for and receive bicycle infrastructure grants for major projects.

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

Has the institution developed a bicycle plan? :

Yes

A brief description of the plan :

The UCI Long Range Development Plan (LRDP) circulation element includes a bicycle and pedestrian circulation plan. This document identifies bicycle and pedestrian circulation planning principles, an existing and proposed bicycle and pedestrian circulation network, and the identification of planned grade-separated bicycle and pedestrian crossings over campus roadways to reduce bicycle/pedestrian/vehicle conflicts and promote bicycle and pedestrian circulation and safety. In addition, UCI has worked in partnership with the city of Irvine to integrate the campus bikeway plan as an element of the Irvine Bikeway Master Plan. The resulting city plan facilitates collaborative bikeway planning at a regional level and allows the city and campus to jointly plan and apply for grant funding for UCI bikeway network improvements. As a result of this partnership several bikeway links on the campus have been funded through joint city/campus planning and bikeway grant applications. A diagram of the existing and proposed LRDP bikeway and pedestrian network can be found on pages 74-77 of the 2007 LRDP.

The website URL where information about the plan is available :

http://www.eps.uci.edu/Final%202007%20LRDP/08%20chapter%205FINAL.pdf

Mass Transit Programs

Responsible Party

Michael Davis
Assistant Director, Sustainable Transportation
Transportation and Distribution Services

"---" 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) :

UCI offers annual "University Pass" membership. The University Pass provides unlimited access to the Orange County Transportation Authority's bus system throughout Orange County, seven days a week. University Pass is available to all UCI students, and available to employees who do not hold a parking permit. The University Pass is $155 for annual membership (a 74% subsidy compared to monthly passes). 555 students and 186 employees have University Pass membership

Anteater Express is UCI's campus shuttle program. Anteater Express runs nine routes. Six routes are complimentary and take students around campus or to adjacent residential areas. Three routes carry students to nearby communities in Newport Beach, Parkwest/Carlson apartments, and to the District (shopping, restaurant, movie area) on the weekends. These routes are available for $55/quarter. Anteater Express has nearly 1.9 million boardings per year.

See:

http://www.shuttle.uci.edu/

The website URL where information about the program is available :

http://www.parking.uci.edu/AT/modes/OCTA.cfm

Condensed Work Week

Responsible Party

John Daly
Executive Director
Human Resources

"---" 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 :

UCI's alternate work schedule is a variation of the standard five-day / 40-hour work schedule. It might include the option of working four 10-hour days in a work week or other combinations of condensed time. An alternate work schedule may allow for a better balance of work life and home life; however, it must also result in a continuation of high quality service to customers.

The website URL where information about the program is available :

http://snap.uci.edu/viewXmlFile.jsp?resourceID=281

Telecommuting

Responsible Party

John Daly
Executive Director
Human Resources

"---" 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 :

Telecommuting, or working from home or a distant location, is available to UCI employees after consultation with their supervisors and managers. Supervisors and managers consider several factors when setting up a telecommuting program, including the coordination of work schedules, management objectives and technology.

The website URL where information about the program is available :

http://snap.uci.edu/viewXmlFile.jsp?resourceID=4048

Carpool/Vanpool Matching

Responsible Party

Michael Davis
Assistant Director, Sustainable Transportation
Transportation and Distribution Services

Does the institution participate in a carpool/vanpool matching program? :

Yes

A brief description of the program :

UCI promotes carpooling through marketing, the Zimride rideshare matching site (

http://www.zimride.com/uci

), and by offering complimentary occasional parking permits (valued at $336 for carpool, $672 for vanpool). Employees who team together in a four-person carpool can park for free.

There are 1,200 registered carpoolers at UCI and 120 vanpoolers.

See:

http://www.parking.uci.edu/AT/modes/carpool.cfm

http://www.parking.uci.edu/AT/modes/vanpool.cfm

The website URL where information about the program is available :

Cash-out of Parking

Does the institution allow commuters to cash out of parking spaces (i.e., it pays employees who do not drive to work)? :

A brief description of the program :

The website URL where information about the program is available :

Cash-out of Parking

Carpool Discount

Michael Davis
Assistant Director, Sustainable Transportation
Transportation and Distribution Services

"---" *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 :

Vanpools receive complimentary parking on the UC Irvine campus. In addition, individuals in the vanpool receive four occasional reserved parking permits per month (a $672 value). Carpoolers can share the cost of a general or reserved permit, and four-person employee carpools park at no cost to the users.

See:

http://www.parking.uci.edu/AT/modes/carpool.cfm

http://www.parking.uci.edu/AT/modes/vanpool.cfm

The website URL where information about the program is available :

Local Housing

Responsible Party

Richard Demerjian
Director
Office of Environmental Planning and Sustainability

"---" 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 :

UC Irvine offers significant incentives to encourage employees to live within walking distance of the campus's academic core. UCI developed and operates the largest and most successful faculty/staff housing program in the United States. The Irvine Campus Housing Authority (ICHA) is a non-profit housing entity whose mission is focused on developing affordable faculty/staff housing opportunities for UCI affiliates. Through the development of for-sale and rental housing opportunities through ICHA and a University-sponsored mortgage program, approximately two-thirds of UCI faculty live on-campus within walking distance to their work.

The website URL where information about the incentives or programs is available :

http://www.icha.uci.edu/

Prohibiting Idling

Responsible Party

Michael Davis
Assistant Director, Sustainable Transportation
Transportation and Distribution Services

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

Has the institution adopted a policy prohibiting idling? :

Yes

A brief description of the policy :

UC Irvine follows the California Air Resources Board policy that prohibits idling for more than five consecutive minutes. This rule applies to UC Irvine's fleet of buses, shuttles, and fleet vehicles.

The website URL where information about the policy is available :

http://www.arb.ca.gov/msprog/truck-idling/truck-idling.htm

Car Sharing

Responsible Party

Michael Davis
Assistant Director, Sustainable Transportation
Transportation and Distribution Services

Submission Note:

UC Irvine was the first institution to have carshare in Orange County. The program started with nine vehicles and has seen steady growth in usage over the years.

"---" *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 :

UC Irvine has 15 cars on campus in its carshare program. As of March 2012, UCI has 2,802 approved members and an average 42% usage on the vehicles (42% usage in a 24/7 period).

See:

http://www.parking.uci.edu/AT/modes/carshare.cfm

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

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.

Credit
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

Responsible Party

Anne Krieghoff
Solid Waste and Recycling Manager
Facilities Management

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.*

Submission Note:

The University of California Policy on Sustainable Practices calls for system-wide attainment of the following goals:

50% diversion rate by 2009: UCI met this goal
75% diversion rate by 2012: UCI met this goal in 2011
100% diversion rate by 2020 = Zero Waste

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

Weight of materials recycled, 2005 baseline year :

961 *Tons*

Weight of materials composted, 2005 baseline year :

0 *Tons*

Weight of materials disposed as garbage, 2005 baseline year :

7217 *Tons*

Weight of materials recycled, performance year :

5074.20 *Tons*

Weight of materials composted, performance year :

2751.80 *Tons*

Weight of materials disposed as garbage, performance year :

1895.20 *Tons*

List the start and end dates of the waste reduction performance year :

Jan. 1, 2011 - Dec. 31, 2011

On-campus residents, 2005 :

9675

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

20333

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

3972

On-campus residents, performance year :

13915

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

19314

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

4303

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

Jan. 1, 2005 - Dec. 31, 2005

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 :

Expanding the commingled recycle program and implementing food composting, combined with increased education, has vaulted the campus's waste diversion rate from 58% to 80% over the past three years. UCI recently expanded the commingled recycle program to all classrooms and the pedestrian mall. The educational component for this portion of the expansion is being launched to further increase campus recycling and our diversion rate.

UCI is committed to reducing waste even before it needs to be recycled. Before the campus launched recycling educational programs at each of the housing areas, these areas had an 11% diversion rate. With the education component, the diversion rate climbed to 41% in 2011. More importantly, UCI is teaching students how to reduce and reuse prior to recycling. UCI has collection bins at the dorms and student apartment-style housing year-round for Goodwill, the Salvation Army, and Planet Aid. UCI sponsors a student move-in cardboard collection program in September as well as a move-out donation and recycle program in June. The 2011 move-out program resulting in

96 tons of food, clothing, electronics being donated to local charities.

In 2011- 2012 school year, UCI has been raising awareness by making some campus events "zero waste" events. UCI's Homecoming Street Fair and basketball game resulted in a 72% diversion rate and the TedxUCIRVINE event had a 94% diversion rate through composting and recycling. The campus set up numerous zero waste stations with a three-bin system and had a team of two students stand by the bins talking with event attendees about the campus's zero waste goal. The students also helped attendees sort their waste into appropriate bins. All prior campus events had only a 5% diversion rate. Zero waste events will soon be the norm at UCI as ASUCI students have committed to being "Trash Talkers" for two more large events this year, Reggae Fest and Wayzgoose, each with attendance of more than 4,000 people.

Hydration stations are another way UCI reduces waste. In 2011, UCI added 22 locations on campus for students and staff to refill their own water bottles to help eliminate the use of disposable bottles on campus. The campus's water meter reader is showing an average of 1,440 bottles filled each month per location.

The website URL where information about the institution's waste reduction initiatives is available :

http://www.fm.uci.edu/units/recyling_refuse.html

Waste Diversion

Responsible Party

Anne Krieghoff
Solid Waste and Recycling Manager
Facilities Management

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.*

Submission Note:

In accordance with University of California policy, UC Irvine does not use incineration as a means of diversion.

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

Materials recycled, composted, reused, donated, re-sold, or otherwise diverted :

7826 *Tons*

Materials disposed in a solid waste landfill or incinerator :

1895.20 *Tons*

A brief description of programs, policies, infrastructure investments, outreach efforts, and/or other factors that contributed to the diversion rate :

UC Irvine has a robust recycling and composting program that resulted in an 80% diversion rate for 2011. Every year since 2005, the campus has been able to reduce the amount of material it sends to landfill. In 2010, UCI sent only 25% to landfill (2,501 tons), and by 2011, UCI sent its lowest amount to landfill ever (1,895 tons). The campus recycles more than 22 commodities using a source-separation program for C&D, metal, wood, paper, pallets, cardboard, and CRV. Every campus office and building has a paper and cardboard recycle program. All classrooms, laboratory buildings, pedestrian pathways, and student housing have a commingled recycle program in addition to the paper and cardboard recycle program. The commingled recycle program can recycle all plastics, glass, paper, and metal using a two-bin system. UCI has food composting in all three of its dining commons and at and the 11 campus restaurants. The food composting program started in 2010 with 96 tons collected and grew to 242 tons in 2011. One of UCI's largest dining commons, Mesa, has been running with zero waste for more than a year. The two others, Pippen and Brandywine, are getting close to achieving zero waste status. UCI composts 100% of its green waste in a collaborative effort with a local off-site facility using traditional windrow composting. The campus has a separate animal bedding compactor that enables it to compost bedding material through its green waste program. Because some material still finds its way into the waste stream, UCI delivers all non-recycled waste material to a local material recovery facility, which reclaims additional recyclables before the remainder goes to landfill.

UCI's Solid Waste and Recycle team consists of 13 full-time employees and a fleet of 10 vehicles including electric and bio-diesel fuel vehicles. The campus self hauls all of its solid waste and recycling to ensure that it makes the greenest diversion choice for each commodity. It also teaches about recycling through 15-plus presentations and workshops each year. UCI invites other colleges to visit and learn best demonstrated practices from its recycling program and, in turn, learns from visitors. In addition, UCI has 12-14 unpaid student interns working with the recycle team each year, doing resume-worthy projects and earning four college units for each 100 hours worked. Zero waste is within UCI's grasp, and the campus should meet this goal before the UC established deadline of 2020.

Construction and Demolition Waste Diversion

Responsible Party

Anne Krieghoff
Solid Waste and Recycling Manager
Facilities Management

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.

Submission Note:

UC Irvine does not incinerate any solid waste.

Anne Krieghoff is the Responsible Party for small construction and renovation projects, and James Brittell is the Responsible Party for major capital improvement building projects. His contact information is shown here:

James Brittell
Quality Assurance Architect
Design and Construction Services
UC Irvine

jbrittel@uci.edu

949-824-7659

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

Amount of construction and demolition materials recycled, donated, or otherwise recovered :

5775.75 *Tons*

Amount of construction and demolition materials landfilled or incinerated :

616 *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 Irvine had a diversion rate of more than 90% for construction and demolition (C&D) waste for the performance year. This includes waste generated by small construction and renovation projects and waste from major capital improvement building projects.

On small construction and renovation projects, UCI actively collects all C&D materials generated using 20 cubic yard lowboy containers and 40 cubic yard bins at the job site. A system of source separation is used for concrete, asphalt and metals. For mixed construction debris all material is taken to a transfer station with a C&D material recovery facility (MRF) that provides an average diversion rate of 70-75% for C&D material. All materials not recycled (the remaining 25-30%) are accounted for in the campus Mixed Solid Waste total.

In addition, campus renovation and maintenance projects are provided use of 40-yard metal collection bins for the recycling of all metal from renovation and plumbing jobs to ensure that all C&D jobs have free and easy access to source separation and collection of this material. For the collection and recycling of all other C&D jobs on campus, UC Irvine works in partnership with a local vendor that provides C&D MRF services to on-campus contractors at a low cost and a guaranteed a diversion rate of 70% or higher, ensuring that all contractors working on campus have a cost-effective means of recycling construction waste at these high diversion rates.

All major capital improvement construction projects on campus divert a minimum of 75% of construction and demolition waste as part of UC Irvine's campuswide green building program. UCI projects are required to meet a minimum level of LEED silver certification and compliance includes a LEED Credit requirement to divert a minimum of 75% of construction and demotion waste. LEED accredited construction staff monitor C&D waste generation and recovery and maintain documentation to confirm waste diversion compliance.

Electronic Waste Recycling Program

Responsible Party

Helen Chang
UCI Equipment Manager
Equipment Management/Materiel & Risk Management

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.

"---" *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 :

The E-waste process and free pick-up request procedures are posted online at

http://snap.uci.edu/viewXmlFile.jsp?resourceID=161

.

Workers complete online environmental health & safety training courses and warehouse e-waste management training.

UCI Equipment Management resells useable surplus items and recycles unsold items by selling e-waste to a certified e-waste recycler.

A brief description of the electronic waste recycling program for institution-generated materials :

Departments submit the pick-up request form for free pick-up of e-waste items by UCI Equipment Management. See;

http://apps.adcom.uci.edu/expresso/econtent/Content.do?resource=3129

The items are then picked up by Electronic Recyclers International, which demonstrates a strong commitment to conserving the environment and supporting social justice, and is certified as gold tier by Green America's Green Business network.

A brief description of the electronic waste recycling program for student-generated materials :

UCI Equipment Management picks up student-generated e-waste materials from student housing sites, and the e-waste is recycled by Electronic Recyclers International.

The website URL where information about the e-waste recycling program is available :

http://snap.uci.edu/viewXmlFile.jsp?resourceID=161

Hazardous Waste Management

Responsible Party

Kirk Matin
Environmental/Hazardous Waste Manager
Environmental Health and Safety

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.

Submission Note:
Additional information available at:
Waste Minimization/Pollution Prevention
http://www.ehs.uci.edu/programs/enviro/wasteminimization.html
Equipment Management
http://snap.uci.edu/viewXmlFile.jsp?resourceID=124

"---" *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 Irvine believes that waste minimization is the cornerstone of pollution prevention. By establishing waste minimization guidelines and providing effective hazardous waste training, waste generators are able to:

• Make effective purchasing decisions
• Implement and develop resource efficient procedures
• Scale down experiments
• Utilize less hazardous chemicals

UC Irvine has also established guidelines for the sale and transfer of surplus materials including electronics. Through this program, the University's resources can be more efficiently used, thereby minimizing the need for electronic waste disposal.

See:

http://www.ehs.uci.edu/programs/enviro/wasteminimization.html

A brief description of how the institution safely disposes of hazardous, universal, and non-regulated chemical waste :

UC Irvine performs stringent audits to approve all hazardous and universal waste disposal facilities. These rigorous audits include reviews of:

• Facility Operations
• Waste Analysis/Manifest System
• Waste Management
• Personnel Safety
• Regulatory Compliance History
• Inspection Records
• Financial Stability
• Liability Insurance
• Security

The website URL where information about hazardous materials management is available :

http://www.ehs.uci.edu/programs/enviro/

Materials Exchange

Responsible Party

Rick Coulon
Interim Director
Materiel and Risk Management

"---" 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 :

UC Irvine maintains Peter's Exchange, which facilitates the salvage of quality goods for re-use by other areas of the campus and the community. The campus diverts goods from the landfill and extends their useful life by finding new users for these products. When goods cannot be re-used,the campus looks to recycle where applicable.

The website URL where information about the program is available :

http://snap.uci.edu/viewXmlFile.jsp?resourceID=124

Limiting Printing

Responsible Party

Allen Schiano
Director, Academic Services
Office of Information Technology, UCI

"---" 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 :

The central campus pay printing service limits printing by imposing a $0.10/page charge. This service is provided in UCI Libraries and centrally managed computing labs. Some schools and departments provide some printing to their students on specially located printers.

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

Limiting Printing

Materials Online

Responsible Party

Elizabeth Bennett
University Registrar
University Registrar

"---" 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 :

As of the 2011-2012 academic year, UC Irvine no longer publishes a printed catalogue. UC Irvine's Schedule of Classes has been exclusively online since 2004. For more information, see

http://www.reg.uci.edu

.

The website URL where information about the practice is available :

http://www.editor.uci.edu/catalogue/

Chemical Reuse Inventory

Responsible Party

Dick Sun
Deputy Director
Environmental Health and Safety

"---" 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 :

CiBR-Trac is a repository of information relating to hazardous chemicals, biological and radioactive materials at UC Irvine locations (e.g., campus and affiliated research centers). This online system supports UC Irvine's efforts to maintain compliance with federal, state, and local regulations for reporting. CiBR-Trac allows authorized users to view, track and update their chemical or radioactive inventory and submit biological use authorizations on a regular basis or when a new chemical, biological or radioactive material is used in a laboratory.

The website URL where information about the practice is available :

http://ucirvine.ecompliance.net/index.jsp

Move-In Waste Reduction

Responsible Party

Anne Krieghoff
Solid Waste and Recycling Manager
Facilities Management

"---" 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 :

UCI has a student move-in cardboard collection program each September, and we use this time to remind students of our year-round recycling efforts on campus.

The website URL where information about the program is available :

Move-Out Waste Reduction

Responsible Party

Anne Krieghoff
Solid Waste and Recycling Manager
Facilities Management

"---" 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 :

UCI has a student move-out donation & recycle program each June. The 2011 move-out program resulted in 96 tons of food, clothing, and electronics being donated to local charities. The campus met its goal of "beating" the 2010 collection amount of 77 tons.

The website URL where information about the program is available :

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.

Credit
Water Consumption
Stormwater Management
Waterless Urinals
Building Water Metering
Non-Potable Water Usage
Xeriscaping
Weather-Informed Irrigation

Water Consumption

Responsible Party

Matt Gudorf
Campus Energy Manager
Facilities Management

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.

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

Water consumption, 2005 baseline year :

904823000 *Gallons*

Water consumption, performance year :

812358000 *Gallons*

List the start and end dates of the water consumption performance year :

Jan. 1, 2011 – Dec. 31, 2011

On-campus residents, 2005 :

9675

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

20333

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

3972

On-campus residents, performance year :

13915

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

19314

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

4303

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

Jan. 1, 2011 - Dec. 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 :

UC Irvine continues to implement projects that will meet the goal of reducing water use to 15% below 2007 levels as stated in the Climate Action Plan (

http://www.sustainability.uci.edu/ClimateActionPlan.html

). In 2011, Housing launched a pilot project to replace toilets, showerheads, and faucet aerators with new-to-market technology designed to cut water usage by 50%. In addition, a campus-wide restroom audit was completed in 2011, and in 2012 a project to retrofit or replace all fixtures installed prior to 1990 was funded and is underway at this time. UC Irvine will not only meet the Climate Action Plan goal with these projects but will exceed the water-saving requirements.

The website URL where information about the institution's water conservation initiatives is available :

Stormwater Management

Responsible Party

Dick Sun
Deputy Director
Environmental Health and Safety

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.

"---" *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 Irvine's Stormwater Managament Plan (1) identifies pollutant sources potentially affecting the quality and quantity of stormwater discharges; (2) provides Best Management Practices (BMPs) for municipal and small construction activities implemented by UC Irvine staff and contractors and; (3) provides measurable goals for the implementation of this SWMP to reduce the discharge of the identified pollutants into the storm drain system and associated water ways. In addition to the link shown below, see

http://www.ehs.uci.edu/programs/enviro/stormwater/Stormwater_Guide.pdf

and

http://www.ehs.uci.edu/programs/enviro/cleanwaterprog.html

The website URL where information about the institution's stormwater management initiatives, plan or policy is available :

http://www.ehs.uci.edu/programs/enviro/UCI_SWMP.pdf

Does the institution have a living or vegetated roof? :

No

A brief description of the institution's living or vegetated roof :

Does the institution have porous paving? :

Yes

A brief description of the institution's porous paving :

The use of pavers are scattered across campus.

Does the institution have retention ponds? :

No

A brief description of the institution's retention ponds :

Does the institution have stone swales? :

Yes

A brief description of the institution's stone swales :

The one we have on campus is located near the Anteater Recreation Center.

Does the institution have vegetated swales? :

No

A brief description of the institution's vegetated swales :

Does the institution employ any other technologies or strategies for stormwater management? :

A brief description of other technologies or strategies for stormwater management employed :

UC Irvine employs best management practices for a variety of daily processes/activities that might impact the stormwater system.

Waterless Urinals

Responsible Party

Matt Gudorf
Campus Energy Manager
Facilities Management

"---" 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 :

Sierra 2102 Waterless Urinal

The website URL where information about the technology is available :

http://www.waterwisetech.net/specs/Waterless_Sierra_2102_No-Flush_Urinal_information.pdf

Building Water Metering

Responsible Party

Matt Gudorf
Campus Energy Manager
Facilities Management

"---" *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 :

Metron-Farnier Spectrum Commercial Meters

The percentage of building space with water metering :

95

The website URL where information about the practice is available :

http://www.metronfarnier.com/SpectrumComml.php

Non-Potable Water Usage

Responsible Party

Matt Gudorf
Campus Energy Manager
Facilities Management

"---" 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 :

Irvine Ranch Water District, the Independent Special District that serves UC Irvine (See

http://www.irwd.com

), provides the recycled water. Recycled water is a more technically accurate term that is replacing an older term "reclaimed."
UCI has been using recycled water for irrigation since the 1960s, and recycled water is used to irrigate all main campus vegetation. Certain housing areas continue to use potable water for irrigation purposes. The faculty housing development on campus uses potable water on the privately owned portions of the development and recycled water on the common areas. A small administrative facility located about a mile north of the campus uses potable water for irrigation because recycled water is not available at the location. Due to the difficulties and administrative costs of dual plumbing of facilities, the campus has elected not to pursue indoor use of recycled water.

The percentage of irrigation water usage from recovered, reclaimed or untreated sources :

90

The percentage of building space using water from recovered, reclaimed or untreated sources :

0

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 :

Xeriscaping

Responsible Party

Richard Demerjian
Director
Office of Environmental Planning and Sustainability

"---" *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 :

The campus landscape management plan, the Green and Gold Plan, includes four goals, one of which is to "develop a landscape that is sustainable and provides for long-term conservation of resources: energy, water, labor, and reduced production of green waste." In order to meet this goal, the plan further specifies the use of native and other environmentally suitable plant materials. Beyond the use of natives, or other drought tolerant plants, the campus also seeks diversity in species and age to ensure the health of the campus's urban forest.

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

http://www.ceplanning.uci.edu/green_gold_8-2000.pdf

Weather-Informed Irrigation

Responsible Party

Richard Demerjian
Director
Office of Environmental Planning and Sustainability

"---" 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 :

UC Irvine uses a central control system (Rainbird Maxicom) in conjunction with a weather station on campus. The central control system adjusts irrigation needs based on monitoring of evapotranspiration data and rainfall data.

The website URL where information about the practice is available :

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.

Credit
Sustainability Coordination
Strategic Plan
Physical Campus Plan
Sustainability Plan
Climate Action Plan

Sustainability Coordination

Responsible Party

Kathy Haq
Manager of Special Projects
Administrative and Business Services

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.

"---" 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 :

A charter of the sustainability committee can be found at:

http://www.sustainability.uci.edu/UCI%20Sustainability%20Committee%20/charter.pdf

Members of the committee, including affiliations :

2011-2012 UC Irvine Sustainability Committee Members

Chair
Wendell C. Brase, Vice Chancellor, Administrative and Business Services

Office of Information Technology
Allen Schiano, Director of Clients Services
Kazuto Okayasu, Co-Manager, Adcom Data Center

Office of Environmental Planning & Sustainability
Richard G. Demerjian, Director

Design & Construction Services
James Brittell, Quality Assurance Architect
James Wahlmeier, Quality Assurance Architect

Environmental Health & Safety
Dick Sun, Deputy Director

Facilities Management
Marc A. Gomez, Assistant Vice Chancellor
Fred Bockmiller, Engineer Manager
Robert Rice, Assistant Director, Buildings and Grounds
Matt Gudorf, Campus Energy Manager
Anne Krieghoff, Superintendent of Refuse and Recycling

Hospitality & Dining Services
Jack McManus, Director
Robert Perez, Senior Resident District Manager

Housing
Dan Dooros, Associate Vice Chancellor Student Affairs
Melissa Falkenstien, Director, Capital Projects and Asset Management
Louis Gill, Director, Mesa Court Housing
Jennifer Gamble, Mesa Court Housing

Material & Risk Management
Rick Coulon, Assistant Director

Parking & Transportation Services
Ronald Fleming, Director

A&BS
Kathy Haq, Manager of Special Projects

UCI Medical Center
Greg Eikam, Director, Facility Maintenance

Academic Unit Faculty Representatives
Martha Mecartney, Professor, Chemical Engineering and Materials Science
Peter Bowler, Ph.D., Senior Lecturer, Ecology and Evolutionary Biology
Harry Haigler, Professor, Physiology and Biophysics
Professor Bill Cooper, Director, Urban Water Research Center
Research Center or Institute
Linda Cohen, Associate Dean for Research and Graduate Studies, School of Social Sciences
Susan Coons, Executive Director, UCI Environment Institute
Abigail Reyes, Sustainability Researcher, UCI Environment Institute

Student Representatives
Josh Gellers, Graduate Student, Political Science

Kevin Schlunegger, Student Government, Senior, Social Ecology

Dahnish Shams TGIF

Alex Nagy, Real food Challenge

Henna Pithia, Green Campus

Others

David Melitz, Environmental Health and Safety Coordinator, Schools of Biological Sciences and Social Ecology

Stacey Murren, Director, Student Center and Event Services

Greg Rothberg, Associate Director, Campus Recreation

Danielle Jiminez, Faculty Assistant, Informatics

The website URL where information about the sustainability committee is available :

http://www.sustainability.uci.edu/SustainabilityCommittee%20Members11_12.pdf

Does the institution have a sustainability office? :

Yes

A brief description of the sustainability office :

The UC Irvine Office of Environmental Planning and Sustainability (EPS) serves as the campus control point for sustainability planning, implementation, coordination between the multiple campus units involved in UCI's sustainability program, and collaboration with the off-campus community. EPS responsibilities include implementation of the UC Regents Policy on Sustainability, state law, and campus sustainability plans and programs in the area of climate protection, green energy, green building, sustainable transportation, waste management, purchasing, food and dining, and water resource management. Consistent with UCI's implementation of the "Campus as a Living Laboratory for Sustainability," EPS staff work with campus and medical center staff, faculty, students, and the external community to implement sustainability programs and projects across all UCI properties.

The number of people employed in the sustainability office :

3

The website URL where information about the sustainability office is available :

http://www.eps.uci.edu/

Does the institution have a sustainability coordinator? :

Yes

Sustainability coordinator's name :

Richard G. Demerjian

Sustainability coordinator's position title :

Director, Environmental Planning and Sustainability

A brief description of the sustainability coordinator's position :

Richard Demerjian, Director of Environmental Planning and Sustainability, serves as UC Irvine's Sustainability Officer. In this role he has responsibility for overseeing the planning and implementation of sustainability programs at the UC Irvine campus, UCI Medical Center, and other UCI properties. Responsibilities include leadership in the areas of campus and University-wide sustainability policy and establishing campus-wide strategies for the implementation of sustainability programs, and specific plans and initiatives including UCI's Climate Action Plan, Sustainability Plan, Long Range Development Plan, green energy initiatives and projects, green building program, habitat restoration and management, sustainable landscaping, and water resources and utility planning.

The website URL where information about the sustainability coordinator is available :

Strategic Plan

Responsible Party

Kathy Haq
Manager of Special Projects
Administrative and Business Services

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.

Submission Note:

UC Irvine's "Shaping the Future" comprehensive fundraising campaign, begun during the 2005-2006 academic year, is strategically linked to the campus' blueprint for achieving the long-range goals encompassed by its tripartite mission of teaching, research, and public service. The campaign represents the thinking of campus leadership, faculty, staff, alumni, donors, and the business community, and seeks to leverage UC Irvine's strengths to shape the future of issues that ultimately affect everyone on the planet. Broadly, the campaign focuses on five key areas: (1) health and health care, (2) learning and the mind, (3) energy and the environment, (4) global connections, and (5) students, with an emphasis on access and affordability.

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

Year the strategic plan or equivalent was completed or adopted :

2006

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 :

UC Irvine has identified Smart Energy and Sustainable Environment as priorities and states: "The University's efforts in Smart Energy and the Sustainable Environment will produce cost-effective solutions to energy and environmental crises. Through cutting edge research and by collaborating with community partners, UC Irvine's interdisciplinary approach to Smart Energy and Sustainable Environment will accelerate the transfer of knowledge and drive research breakthroughs."

Goals include:

• Innovative research: help determine causes, interventions and solutions to environmental and energy issues
• Interdisciplinary collaboration: bring together scientists from across the campus to work on projects in the areas of global change, energy and sustainable resources
• Civic and community engagement: increase professional and public awareness, and understanding of environmental and energy issues

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 :

UC Irvine is shaping future leaders for the new global community. "UC Irvine sees a great opportunity to fundamentally change the world for the better – with an interconnected global community where people are motivated by a common good. The University creates 'Global Connections' and is determined to pursue such a path based on inherent strengths in a multitude of academic disciplines that embrace our global society. UC Irvine is already highly recognized in the humanities, the arts, social sciences and business in many aspects of the global environment. This campus initiative is engaging the campus stakeholders to shape and support goals set out by the many participating campus units."

Among other things, the Global Connections initiative highlights the work of the Center for Unconventional Security Affairs, which focuses the power of a major research university to address worldwide challenges from multiple aspects – political, economic, cultural, environmental, biological and medical. Other areas addressed:

• UC Irvine's Extension boasts an extraordinarily broad set of global program Student exchange programs, from English teacher training to specialized occupational studies such as biomedicine. The program currently serves more than 3,000 international students from over 30 different countries.
• World institutes at UC Irvine number more than 20. The institutes examine Asian, Jewish, Latino, and Persian cultures and languages. They improve the interactions of countries and cultures by exploring global peace and conflicts, immigration, international law, democracy, and ethics and morality. They study and predict global trends in population, social change, and security. They look at the world with a view to build a new generation of young leaders, fully prepared for success in the global community with a full appreciation of the many facets of the peoples of the world.
• Faculty, students and community volunteers have used the resources of our campus to connect with the world through 25 unique projects. The projects sometimes are completely staffed by volunteers. Others are formal parts of the university's curriculum, giving students the opportunity to put their education into practice in some of the most desperate parts of the world. The Africa Project, for example, is an Irvine-based all-volunteer project that supports children in one poverty and AIDS-stricken community, Nkandla in South Africa. We may not solve all the world's problems, but we can make the world better one community at a time. This program and more than a score more, are helping UC Irvine students improve the health, the environment, and the economy for people throughout the world. They are offering a realistic hope for the future.

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 :

"Scholarships support students so they may attend UC Irvine and be our next generation of businessmen/women, engineers, artists, entrepreneurs, writers, nurses, biologists, teachers and leaders. Our scholarships help make a university education possible for UC Irvine's need-based students as well as rewarding and fostering our students who exhibit academic or creative excellence."

"Fellowships support research done at UC Irvine and join the fight against cancer or Alzheimer's, foster groundbreaking stem cell research, help explore clean energy breakthroughs, or conquer social issues and economic pitfalls. Fellowships foster the education of scientists, academics, doctors, lawyers, executives and researchers by supporting research opportunities."

The website URL where information about the strategic plan is available :

http://www.ucifuture.com/index.php

Physical Campus Plan

Responsible Party

Richard Demerjian
Director
Office of Environmental Planning and Sustainability

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.

"---" *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 :

Sustainability involves the consideration of environmental, economic, and social factors in a comprehensive manner to ensure long-term environmental quality, economic growth, and public health. The UCI Long Range Development Plan(LRDP), first conceived in 1963 and most recently revised in 2007, provides a living master plan demonstrating these key factors as implemented through a long-term master plan. Nearing its 50th year of implementation, the plan and its supporting elements provide a dynamic example of a sustainable community that encompasses a wide range of sustainability issue areas including:

• Affordable Live-Work Housing
• Density Management and Urban Design
• Community-wide Green Building Program
• Pedestrian Orientation/Human Scale
• Sustainable Transportation Systems
• Green and Renewable Energy Systems
• Climate Protection
• Sustainable Landscaping
• Water Conservation and Water Quality

Implementation of the LRDP has produced significant results in regard to sustainability. The following are a few of the results:

• An estimated reduction of 39 million vehicle miles per year

• A combined heat and power plant that reduces greenhouse gas emissions by 39,000 metric tons of CO2 equivalent per year

• 425 acres of open space network designated as permanent habitat on campus

• More than 10 miles of shared bicycle/pedestrian paths, bridges, and lanes

The year the physical campus plan was developed or adopted :

2007

The website URL where the physical campus plan is available :

http://www.eps.uci.edu/finallrdp.html

Sustainability Plan

Responsible Party

Richard Demerjian

Director

Office of Environmental Planning and Sustainability

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.

Submission Note:

UCI adopted a sustainability plan in 2008 titled "Achieving Net Zero: Climate Change and Sustainability Plan for UC Irvine." The plan provides an overall strategy, baseline data, goals and objectives, metrics, implementation strategy, and monitoring system for achieving UCI's sustainability objectives. The plan addresses green building goals for new construction and existing buildings, energy reduction goals, renewable energy goals, greenhouse gas emission reductions, water use reduction, waste diversion and recycling objectives, zero emission vehicle deployment, and public communications and outreach.

"---" *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 :

Plan development involved establishing five stakeholder groups of faculty, students, and staff focused around specific sustainability topics (clean energy and climate protection, transportation, recycling and waste management, land use and water quality, and green procurement and dining). Each group investigated their topic areas, developed recommendations through a series of meetings and discussions, and presented and discussed their findings and recommendations with UCI's campuswide Sustainability Committee. Each group's findings were reviewed and adopted into the resulting plan.

A brief description of the plan's measurable goals :

Sustainability related goals include:
- Build all new construction (except laboratory and acute-care facilities) to achieve LEED Silver or higher
- New buildings will outperform the California Energy Code (Title 24) by 20 percent or more

- By 2014 reduce campus growth-adjusted energy consumption by 25 percent or more from the 2000 baseline

- Use 33% less electricity than our 2010 baseline by 2050

- By June 30, 2012, divert 75% of waste

- By 2020, achieve zero waste

- Increase on-campus housing percentage to 50% by 2020

- Reduce water consumption by 15% below the 2007 baseline by 2014

- Increase the role of sustainability in research, academics, and community outreach

- Increase awareness of sustainability initiatives

A brief description of how progress in meeting the plan's goals is measured :

UC Irvine updates its Sustainability Report Card annually to track its progress toward achieving its goals. All new construction projects apply for certification for a LEED rating through the U.S. Green Building Council. Energy efficiency standards are measured based on building energy use data. Electricity use is measured based on campus energy consumption data provided by Southern California Edison.

The website URL where more information about the sustainability plan is available :

http://www.sustainability.uci.edu/ClimateActionPlan.html

The year the plan was developed or last updated :

2008

Climate Action Plan

<div style="text-align: center">

Responsible Party

Richard Demerjian
Director
Office of Environmental Planning and Sustainability

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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*.

Submission Note:

The baseline year the institution used in its GHG emissions commitment is actually 12/1/2007. Your form does not permit us to enter years prior to 2012.

The target year UC Irvine specified for its GHG emissions commitment is 12/31/50. Your form does not permit us to enter years after 2021.

"---" *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 climate action plan seeks to achieve climate neutrality by 2050.

A brief summary of the climate plan's short-term goals :

The UCI Climate Action Plan, as well as the UC Policy on Sustainable Practices, requires the campus to achieve 2000 GHG emission levels by 2014 and 1990 GHG emission levels by 2020.

Year the climate plan was formally adopted or approved :

2007

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: Stationary combustion, mobile combustion (campus fleet), process, and fugitive

The reduction level (percentage) institution has committed to :

100

The baseline year the institution used in its GHG emissions commitment :

Jan. 1, 2012

The baseline emissions level institution used in its GHG emissions commitment :

162,000 Metric tons CO2e (2007)

The target year the institution specified in its GHG emissions commitment :

Dec. 31, 2012

The website URL where information about the climate plan is available :

http://www.sustainability.uci.edu/ClimateActionPlan.html

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.

Credit
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

Responsible Party

Gwendolyn Black
Associate Director
Office of Equal Opportunity and Diversity

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.

Submission Note:

Douglas Haynes, the director of the ADVANCE Program, is a tenured faculty member who coordinates the advancement of a principal objective of the campus strategic plan: faculty and graduate student equity and diversity. To this end, he serves on key committees/groups that advise the provost, including the Academic (Dean's) Council, Academic Planning Group, and Provost Management Group among others. His office oversees several dedicated programs that are designed to sustain institutional transformation through raising awareness about equity and diversity, removing hurdles and barriers to inclusive excellence, and advancing work-life balance. The centerpiece of these interventions is a team of 14 faculty equity advisors who are tasked with promoting an inclusive culture for faculty and graduate students in their respective schools. The director not only trains and coordinates these equity advisors, but also the 30-plus faculty graduate program mentors.

"---" *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 Advisory Council on Campus Climate, Culture & Inclusion monitors and assesses the campus climate and makes recommendations to campus leadership for further improvement consistent with our values.

Members of the committee, including job titles and affiliations :

The committee members and their affiliations are identified at:

http://chancellor.uci.edu/campus_climate/members.php

The website URL where information about the diversity and equity committee is available :

http://chancellor.uci.edu/campus_climate/index.php

Does the institution have a diversity and equity office? :

Yes

A brief description of the diversity office :

The UCI Office of Equal Opportunity and Diversity (OEOD) is responsible for the University's compliance with federal and state laws and University policies and procedures regarding discrimination, retaliation and sexual harassment. OEOD works to promote and integrate the principles of equal opportunity, affirmative action, nondiscrimination, and excellence through diversity at UCI. OEOD works to resolve complaints of discrimination and/or sexual harassment through informal resolution or formal investigation, explains and clarifies federal and state laws and regulations and university policies and procedures regarding discrimination, harassment, retaliation and affirmative action, compiles data for the annual affirmative action plan and organizational analysis, assists departments in adhering to diversity, nondiscrimination, and affirmative action guidelines during faculty and staff recruitment processes, and offers a variety of training programs and workshops in sexual harassment prevention, discrimination, diversity, cultural awareness, and cross-cultural communication for students, faculty and staff.

Additionally, the UCI ADVANCE Program promotes a culture of inclusion for women and minority faculty through equity and diversity in recruitment, retention and advancement, and leadership opportunities. UCI ADVANCE analyzes data on faculty equity and outreach, sponsors seminars for faculty diversity and inclusion, and provides support for school-based equity advisors who monitor recruitments and establish mentorship and orientation programs for new faculty. More information about the ADVANCE Program can be found at

http://advance.uci.edu/

The number of people employed in the diversity office :

8

The website URL where information about the diversity and equity office is available :

http://www.oeod.uci.edu/

Does the institution have a diversity and equity coordinator? :

Yes

Diversity coordinator's name :

Kirsten K. Quanbeck

Diversity coordinator's position title :

Assistant Vice Chancellor and Director, Equal Opportunity and Diversity

A brief description of the diversity coordinator's position :

Kirsten Quanbeck is the Assistant Executive Vice Chancellor and Director of the Office of Equal Opportunity and Diversity and serves as the UCI Title IX//Sexual Harassment Officer. She is responsible for coordinating the University's compliance with federal and state discrimination and sexual harassment laws and the University's equal employment opportunity programs. Kirsten oversees the investigation of discrimination and harassment complaints and provides educational programs for students, staff and faculty. She also coordinates the sexual harassment advisor and peer educator programs.

The website URL where information about the diversity and equity coordinator is available :

http://www.oeod.uci.edu/

Measuring Campus Diversity Culture

Responsible Party

Kathy Haq
Manager of Special Projects
Administrative and Business Services

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.

Submission Note:

The University of California plans a comprehensive and systematic campus climate assessment that will include graduate, professional, and undergraduate students, faculty, and staff at the system's 10 campuses and the Office of the President in 2013. See:
http://www.ucop.edu/newsroom/newswire/img/16/16489629294e7b6333135a8.pdf

"---" *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) :

Faculty, staff, graduate students, and undergraduate students were surveyed separately within the past five years.

UC Irvine faculty and graduate students participated in a campus climate survey administered by the UCI Graduate Division in Fall 2010. Of the more than 7,500 eligible participants, 1,330 responded to the email solicitation by completing the survey. Respondents were generally representative of the campus as a whole in their mix of gender, discipline and status, and almost half the sample provided free response comments which were analyzed in addition to the quantitative data collected. The survey targeted participants' understandings of diversity, their attitudes toward existing and potential diversity-related policies, and their assessments of current campus climate. Survey results have been used to inform diversity programming through the "Diverse Educational Community and Doctoral Experience" (DECADE) initiative and have been disseminated to the individual academic units to provide for specific targeting of areas where diversity can be improved. More information on the DECADE program can be found at:

http://www.grad.uci.edu/about-us/diversity/decade/index.html

The UCI ADVANCE Program conducted a Faculty Climate Survey in 2009 to assess "behaviors within [the] workplace or learning environment, ranging from subtle to cumulative to dramatic, that can influence whether an individual feels personally safe, listened to, valued, and treated fairly and with respect." Results of the survey are posted at

http://advance.uci.edu/Climate%20Survey%20Presentation.pdf

and were disseminated broadly to campus leadership, and addressed in a follow-up presentation and workshop. As a result of the survey, the Council on Faculty Welfare, Diversity, and Academic Freedom and the Faculty Senate Cabinet officially endorsed "efforts to promote an equitable and productive academic environment for all faculty, believing that an inclusive faculty culture is essential to the mission of the university and to career success." The mission of the UCI ADVANCE Program is to promote an inclusive culture for faculty and graduate student excellence.

The UCI Chancellor's Advisory Committee on the Status of Staff, established in 2001, completed a three-part Staff Diversity Town Hall Dialogue Series in June 2010. The overall objectives of the series were to: underscore the university's commitment to an inclusive culture, solicit input, and build a diversity community. More than 100 staff members attended the final workshop. The committee includes subcommittees charged with employee development and staff diversity. For more information, see:

http://www.hr.uci.edu/cacss/annual_reports/0910.php

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UCI undergraduates participated in the University of California Undergraduate Experience Survey in Spring 2010. All undergraduate students aged 18 and over, who were enrolled at the University of California undergraduate campuses during Spring 2010, were invited via email to participate in the UCUES. Also for Spring 2010, students enrolled at a number of other national universities participated in the survey. Of the 21,586 eligible UC Irvine undergraduates, 10,201 responded (47%). The Irvine campus administration of UCUES 2010 was divided into five segments, including a Core set of questions that all students were asked to complete. The Core questions asked about time allocation, academic and personal development, campus climate for diversity, academic engagement, post-baccalaureate plans and aspirations, overall satisfaction, background variables, and for those with declared majors, evaluation of the major. Information about UCUES 2010 is available at

http://www.assessment.uci.edu/UCUES/UCUES2010/UCUES2010.asp

A summary report on the 2010 survey is available at

http://www.assessment.uci.edu/UCUES/UCUES2010/documents/Brief_Climate_Summary_Report.pdf

Year the assessment was last administered :

2010

A brief description of how the results of the assessment(s) are used in shaping policy, programs, and initiatives :

This information is included above.

The website URL where information about the assessment(s) is available :

http://www.chancellor.uci.edu/campus_climate/2010_2011Annual%20Campus%20Climate%20Report%202011_Final.pdf

Support Programs for Underrepresented Groups

Responsible Party

Kathy Haq
Manager of Special Projects
Administrative and Business Services

Criteria

Institution has mentoring, counseling, peer support, affinity groups, academic support programs, or other programs in place to support underrepresented groups on campus.

"---" *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 :

GRADUATE STUDENTS
Sponsored by a Fund for the Improvement of Postsecondary Education (FIPSE) grant from the U.S. Department of Education, the Diverse Educational Community and Doctoral Experience (DECADE) program aims to increase the number of minorities and women underrepresented in their disciplines receiving doctoral degrees at UC Irvine.

http://www.grad.uci.edu/about-us/diversity/decade/index.html

UNDERGRADUATES
CAMP works to strengthen the quality and quantity of underrepresented students receiving baccalaureate degrees in Science, Technology, Engineering, and Mathematics (STEM)

http://www.cfep.uci.edu/camp/

American Indian Resource Program provides outreach, recruitment and support for students including academic support, cultural events and current issues.

http://www.airp.uci.edu/

UCI Cross Cultural Center is a unifying location and resource of multi cultural organizations and student groups.

http://www.ccc.uci.edu/

UCI SAGE provides mentorship and internships in corporations and non profit agencies for underrepresented and low income students.

http://www.sagescholars.uci.edu/

REACH is opportunity for students to become peer counselors in educational outreach program of the Cross-Cultural Center devoted to increasing awareness and knowledge of the issues and topics important to community harmony in a multicultural world.

http://ccc.uci.edu/reach/

CMST provides undergraduate students with intensive fieldwork experiences in middle and high school mathematics and science classrooms.

http://www.cfep.uci.edu/cmst/

SIAP provides UCI undergraduates the opportunity to make a deep impact on the development and college preparation of local high school students. Through their respective student initiated programs, UCI undergraduates are able to empower and motivate high school students to excel academically and to develop a passion for learning.

http://www.cfep.uci.edu/siap/

The Center for Opportunities and Diversity in Engineering (CODE) is charged with promoting and facilitating diversity within the Samueli School. CODE works to achieve this goal by providing academic, professional and social support for underrepresented students.

http://www.eng.uci.edu/undergrad/code

A brief description of the programs sponsored by the institution to support underrepresented groups within the faculty :

The UCI ADVANCE Program promotes a culture of inclusion for women and minority faculty through equity and diversity in recruitment, retention and advancement, and leadership opportunities. UCI ADVANCE analyzes data on faculty equity and outreach, sponsors seminars for faculty diversity and inclusion, and provides support for school-based equity advisors who monitor recruitments and establish mentorship and orientation programs for new faculty. For more information, go to

http://advance.uci.edu/

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The Office of Equal Opportunity and Diversity sponsors anti-bias/diversity and inclusion programs that are open to faculty, and provides some administrative and financial support to faculty and staff diversity affinity groups. For a list of groups, please go to

http://www.oeod.uci.edu/affinity/index.html

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A brief description of the programs sponsored by the institution to support underrepresented groups within the staff :

The Office of Equal Opportunity and Diversity provides some administrative and financial support to faculty and staff diversity affinity groups (

http://www.oeod.uci.edu/affinity/index.html

), and the UCI Medical Center has a diversity committee that plans educational and cultural events at the hospital for medical staff. OEOD also provides several programs open to staff, including the Diversity Development Program, the Orientation & Professional Training Program for limited-English-proficient staff, Diversity in Medicine, and Campus Conversations, a brown-bag series on diversity-related topics. For more information about these programs, go to

http://www.oeod.uci.edu/training.html

and

http://www.oeod.uci.edu/conversations/

.

See also:

http://www.oeod.uci.edu/

The website URL where more information about the programs in each of the three categories is available :

Support Programs for Future Faculty

Responsible Party

Joan Tenma
Director
Office of Academic Personnel

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 :

UCI ADVANCE PROGRAM
The mission of UCI ADVANCE is to promote an inclusive culture for faculty and graduate student excellence. A dedicated team of faculty Equity Advisors and DECADE graduate program mentors carry out this mission in the 11 general campus schools, providing a critical link between central administrative support services and individual faculty and graduate students. This distinctive model of peer to peer collaboration is designed to advance excellence through an intentional commitment to equity and diversity. Equity Advisors are senior faculty members who participate in faculty recruitment by approving search strategies and raising awareness of best practices. Additionally, they organize faculty development programs, with both formal and informal mentoring, and address individual issues raised by women and underrepresented minority faculty.

http://advance.uci.edu/about.html

FIPSE DIVERSE EDUCATIONAL COMMUNITY AND DOCTORAL EXPERIENCE (DECADE)
Sponsored by a Fund for the Improvement of Postsecondary Education (FIPSE) grant from the U.S. Department of Education, DECADE aims to increase the number of minorities and women underrepresented in their disciplines receiving doctoral degrees at UC Irvine. Additionally, DECADE seeks to establish a national model for advancing access and inclusion for women and minorities in doctoral

education by using successful models established through the UCI Alliance for Graduate Education and the Professoriate (AGEP) Program and the UCI ADVANCE Program. To accomplish this, the Graduate Division and UCI ADVANCE have partnered to deliver a multifaceted program that features involvement of faculty, students and administration, and fosters collaborative efforts between faculty and graduate students in working to improve climate, access and inclusion.

http://www.grad.uci.edu/about-us/diversity/decade/index.html

DECADE FACULTY MENTORS

DECADE Faculty Mentors in every school dedicate their efforts to nurturing a positive diversity climate within their academic programs by serving as a resource to graduate students in outreach and admission, as well as professional development. DECADE Faculty Mentors will also collaborate with Equity Advisors and graduate students from their school to promote an inclusive climate for all students.

http://advance.uci.edu/DECADEmentors.html

DECADE COMPETITIVE EDGE SUMMER RESEARCH PROGRAM

The DECADE Competitive Edge Summer Research Program is a summer pre-entry program geared to incoming female and minority Ph.D. and M.F.A. students who are underrepresented in their disciplines. Participants in Competitive Edge will conduct research under the direct supervision and guidance of a UC Irvine faculty member. The program features workshops and seminars designed to familiarize participants with campus resources, foster professional development, establish peer support networks and develop academic strategies to enhance the graduate education experience at UC Irvine. Current students are strongly encouraged to become peer mentors for the incoming graduate students in their discipline.

http://www.grad.uci.edu/about-us/diversity/decade/competitive-edge.html

DECADE MENTOR GRADUATE DIVERSITY AWARDS

Growth and support of a diverse graduate population continues to be a top strategic priority for UC Irvine. The UCI Graduate Division seeks proposals to provide appropriate support to graduate students from groups that have been historically underrepresented in graduate education so that they feel welcome and thrive in their studies at UC Irvine. To achieve this, the Graduate Division provides $150,000-per-year in funding to support graduate program diversity efforts. One year grants of up to $30,000 each will be available to support activities that improve recruitment, climate, academic progress and career success for a diverse student population in Ph.D. or M.F.A. programs.

http://www.grad.uci.edu/forms/diversity/DECADE_Mentor_Graduate_Diversity_Awards.pdf

DECADE STUDENT COUNCIL

The DECADE Student Council consists of current graduate students who are advisory to DECADE leadership, Equity Advisors, and the Graduate Dean's Diversity Council. They also help plan and organize programming and events for DECADE, including workshops and

seminars. Events to be hosted by the committee include a Leadership Retreat held in August, as well as a Fall Welcome. Meetings take place on the second Monday of the month in the Graduate Resource Center.

http://www.grad.uci.edu/forms/diversity/DECADE%20Student%20Council%20Meetings.pdf

THINK – TRANSFER HONORS INTERCONNECT

The Graduate Division and the Campuswide Honors Program have partnered to develop a special graduate preparation program for honors transfer students. This program consists of a series of workshops, assignments and mentoring designed to help students apply and transition into a graduate program. Beginning fall 2011, this unique two-year program brings together the expertise of faculty, graduate student mentors, and staff to support students' journey into graduate education.

UC PRESIDENT'S POSTDOCTORAL FELLOWSHIP

The University of California President's Postdoctoral Fellowship Program was established in 1984 to encourage outstanding women and minority Ph.D. recipients to pursue academic careers at the University of California. The current program offers postdoctoral research fellowships, faculty mentoring, and eligibility for a hiring incentive to outstanding scholars in all fields whose research, teaching, and service will contribute to diversity and equal opportunity at the University of California. UC ADVANCE annually sponsors fall and spring workshops for graduate students and faculty. These workshops are designed to raise awareness about the President's Postdoctoral Fellowship program (PPFP). The ADVANCE Program also coordinates campus participation in the PPFP associated hiring incentive. Since 2003, the campus has appointed nearly a dozen former fellows in a range of departments.

http://www.ucop.edu/acadpersonnel/ppfp/uc_ppfp.html

SCHOLARSHIP ON DIVERSITY PROGRAM

In addition, the campus continues to fill faculty lines through the competitive Scholarship on Diversity Program. The purpose of this FTE program is to augment the campus research capacity in understanding diversity in society. Five positions have been filled while two remain open.

The website URL where more information about the program(s) is available :

Affordability and Access Programs

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Responsible Party

Brent Yunek
Assistant Vice Chancellor
Enrollment Services

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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.

"---" 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 :

UCI has operated the Upward Bound program since 1999. The project works with approximately 50 students each year across 3 high schools in the Anaheim Union High School district (AUHSD). The purpose of the program is to identify and recruit students who are from low-income and first-generation college-going families to prepare them for successful completion of a higher education degree. UCI is in the planning stages for a Upward Bound Math Science program this July and for three new three TRIO programs: 2 Upward Bound and 1 Upward Bound Math Science, serving 180 students across 6 high schools in AUHSD.

http://www.cfep.uci.edu/ub/

A brief description of the institution's policies and programs to minimize the cost of attendance for low-income students? :

We have a robust university grant program that sets aside 33% of all fees paid to offer grants to low/middle income students to minimize their cost of attendance, reduce the need for borrowing and promote access and affordability. In the current academic year, we made over $69M available for need-based grants through this program. The campus also offers low-interest fixed rate loans to very low-income students to reduce the need for these families to borrow a parent loan.

A brief description of the institution's programs to equip the institution's faculty and staff to better serve students from low-income backgrounds :

The Office of Financial Aid and Scholarships works closely with academic advisors to ensure they understand the requirements for students to receive financial aid and the struggles first generation and low-income students might encounter in meeting the requirements. We regularly refer students to their academic advisors to seek assistance in developing academic plans and accessing support services. We also work closely with the Student Support Services office to assist low-income students in accessing specialized academic advising and tutorial assistance.

A brief description of the institution's programs to prepare students from low-income backgrounds for higher education :

The Center for Educational Partnerships serves as the campus hub for outreach and academic preparation. The Center administers a range of programming directed at K-12 and Community College students from low-income and underrepresented communities including the Early Academic Outreach Program, Upward Bound, Gear-Up and the Saturday Academy of Mathematics. These programs provide college-going information, academic preparation and work with community stakeholders to create a college-going culture in underserved schools and communities. These programs serve over 15,000 low-income students annually.

A brief description of the institution's scholarships for low-income students :

Our largest scholarship program for low-income students consisted of 1,700 offers for the current academic year. This program is expanding in the new year by 150 offers. This scholarship program specifically targets first generation low-income students. The campus also offers numerous other scholarships for low-income students through our endowment and in conjunction with community partnerships.

A brief description of the institution's programs to guide parents of low-income students through the higher education experience :

We participate in numerous outreach events involving parents of low-income students. Many of these are in conjunction with high schools, school districts and community organizations that serve primarily low-income students. We also utilize our parent newsletter to promote scholarship opportunities and information regarding the process of applying for financial aid.

A brief description of the institution's targeted outreach to recruit students from low-income backgrounds :

Outreach activities from the Center for Educational Partnerships include the designation of 35 partner schools in Orange County that have 50% or more students who are designated as low income. In addition to academic tutoring and course-taking guidance, the schools receive one-on-one student assistance as well as bilingual workshops for students and parents to assist in completion of the admissions application for the University of California as well as the FAFSA.

http://www.cfep.uci.edu/

A brief description of the institution's other admissions policies and programs :

UC Irvine's Transfer Admission Guarantee Program (TAG) guarantees admission to highly qualified students from all California community colleges. Admission to most majors at UC Irvine can be guaranteed through TAG for transfer students who meet the eligibility requirements and complete the online TAG application.

http://www.admissions.uci.edu/admissions/tag.html

A brief description of the institution's other financial aid polices or programs :

We offer the Blue & Gold Opportunity Plan that guarantees financially needy families with incomes under $80,000 that their system-wide fees will be covered through scholarship and/or grant support. We also offer a middle-income grant to defray all or part of approved fee increases for needy families with incomes under $120,000.

http://www.universityofcalifornia.edu/admissions/paying-for-uc/financial-aid/grants/blue-gold/i

ndex.html

A brief description of the institution's other policies and programs not covered above :

The UC Irvine Student Support Services Summer Bridge Programs are open to qualified First-Generation, Low Income and Disabled students. As an incoming student at the University of California, Irvine, students are invited to take part in the freshman or Transfer Student Summer Bridge Program, an innovative opportunity that provides them with a rich academic, social, and personal foundation for the next four years. Most students eligible for Summer Bridge will have all of their expenses covered by the Summer Bridge scholarship. Some students who do not meet the Financial Aid requirements for full aid may be offered partial scholarships.

http://www.summer.uci.edu/fssp/advantages.asp

The website URL where information about programs in each of the areas listed above is available :

http://www.uci.edu/

Gender Neutral Housing

Responsible Party

Lisa Cornish
Executive Director
Student Housing

Submission Note:

Mesa Court Housing provides freshman students with the option of selecting living clusters in areas of interest including "Interest in Global Sustainability."

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

Does the institution offer housing options to accomodate 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 :

Arroyo Vista Spectrum House is a unique community that celebrates and affirms the cultural experiences for lesbian, gay, bisexual, transgender, intersex, queer, and questioning students and their allies through programming, community development, an increased visibility of LGBT students & issues, and providing a safe space for LGBT students and their allies. See:

http://www.housing.uci.edu/av/theme.asp

Middle Earth Open House is a non-judgmental space where the diversity of identity and gender expressions is celebrated. It is an open and inclusive community where students are free to be themselves and explore their identity. Open House provides a unique opportunity for personal development in a gender-free, transgender friendly living environment. In conjunction with the Lesbian Gay Bisexual Transgender Resource Center, collaborative programs will foster community, encourage self-expression and create an atmosphere of learning. Students living in Open House have the option of choosing to take advantage of the gender-neutral housing option. Gender-neutral housing allows same-gender roommates, opposite-gender roommates, or other gender-identity roommate pairings, regardless of physical sex. See:

http://www.housing.uci.edu/me/hall_Desc.asp#special

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

http://www.housing.uci.edu/prospective/freshmen.asp

Employee Training Opportunities

Responsible Party

Gwendolyn Black
Associate Director
Office of Equal Opportunity and Diversity

"---" 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 :

Workshops are designed to foster the acquisition of cultural competency skills and may include dissemination of cultural and historical knowledge, exploration of values, participation in communication and teambuilding exercises, and analysis of scenarios. Programs include the Diversity Development Program, Diversity in Medicine course, Orientation & Professional Training program (targeted to limited-English proficient employees), Workplace Spanish course, Campus Conversations Series, and tailored trainings requested by departments. OEOD also occasionally sponsors a diversity awareness/conflict resolution interactive theatre program.

Faculty, management, team leaders, and all levels of professional and support staff at the UCI campus and Medical Center are invited to participate in the training programs offered by the Office of Equal Opportunity & Diversity (OEOD). For more detailed information, go to

http://www.oeod.uci.edu/training.html

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Listings of other cultural competence trainings and activities can be found on the following websites:

http://www.oeod.uci.edu/

http://advance.uci.edu/

http://www.uci.edu/diversity/

The website URL where information about the trainings and activities are available :

http://www.oeod.uci.edu/training.html

Student Training Opportunities

Responsible Party

Rameen Talesh
Assistant Vice Chancellor and Dean of Students
Student Life and Leadership

"---" 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 :

UCI BREADTH REQUIREMENTS
UCI is committed to the values of a liberal education. One component of that commitment is the requirement that all undergraduates complete a set of general education requirements. Multicultural Studies is a graduation requirement for each undergraduate student. See:

http://www.editor.uci.edu/catalogue/intro/intro.13.htm?zoom_highlight=breath+requirements

UCI CORE LEADERSHIP COMPETENCIES PROGRAM
All student leaders at UC Irvine have the opportunity to develop core leadership competencies through their roles as employees, interns, and volunteers. We believe these competencies will prepare our students to become transformational leaders, empowered to create positive change on this campus and in their local, national, and global communities. Dozens of opportunities are offered annually for students, and the Student Life and Leadership office has developed a website allowing students to build and track their leadership development. There are five competencies; two are specific to cultural competence: Valuing Diversity and Social Responsibility.

IDENTITY DEVELOPMENT LEADERSHIP SEMINARS
The Cross-Cultural Center annually offers Identity Development Leadership Seminars to students who are looking to continue their growth. These seminars were created for students to critically engage in conversations, to acquire new skill sets, and to prepare students to take action.

ANNUAL RAINBOW FESTIVAL
The Rainbow Festival and Conference is a three-day event that celebrates existing diversity at UCI and educates around issues of social justice. See:

http://hogwarts.ccc.uci.edu/rbf/

R.E.A.C.H.
Reaffirming Ethnic Awareness and Community Harmony, known as R.E.A.C.H., is an educational outreach program coordinated by the Cross-Cultural Center. It is devoted to increasing awareness and knowledge of the issues and topics important to community harmony in

a multicultural world. R.E.A.C.H. consists of a select group of UCI students trained through a year-long class (AfAm 198) to present workshops on multicultural and ethnic diversity topics. R.E.A.C.H. facilitators are chosen from various segments of the campus community, and share a dedication to building a harmonious academic and social environment at UCI. See:

http://ccc.uci.edu/reach/

SUMMER MULTICULTURAL LEADERSHIP INSTITUTE

Incoming first-year students begin meeting fellow student leaders and learn about the various aspects of campus life and leadership development. The Summer Multicultural Leadership Institute, which occurs on UCI's campus, is a selective program that allows participants the chance to engage in unique workshops and challenging dialogues focused on such topics as diversity, social justice, free speech, and conflict resolution. Fifty students are selected to attend SMLI, and it is our hope that each student participant becomes a future ambassador for UCI's campus. See:

http://ccc.uci.edu/CCC_Web/Programs/SMLI.php

CROSS-CULTURAL CENTER RETREAT

Every fall quarter, the Cross-Cultural Center (CC) staff invites student organizations to participate in a weekend retreat, dedicated to learning about the Cross-Cultural Center, developing student leadership skills, and meeting and networking with the staff and affiliated student organizations of the Cross-Cultural Center. The Multicultural Leadership Retreat is also a great time for students to be a part of the CCC strategic planning as participants reflect on the CCC mission, vision, and values and how their own organizational mission fits with the CCC's. See:

http://www.ccc.uci.edu/CCC_Web/Programs/MLR.php

In addition, UCI holds dozens of academic and co-curricular workshops, programs, speakers and cultural events each quarter that are tailored to a historical or a current topic in cultural competence.

The website URL where information about the trainings and activities are available :

http://www.studentlife.uci.edu/

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.

Credit
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

Responsible Party

Kathy Haq
Manager of Special Projects
Administrative and Business Services

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.

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

Total number of employees working on campus (including contractors) :

8023

Number of employees (including contractors) that the institution ensures earn sustainable compensation :

8023

A brief description of how the institution ensures that its lowest-paid workers (including contractors, if applicable) receive sustainable compensation :

STAFF
The University of California, Irvine campus employs 4125 regular and 200 contract employees, all of whom earn sustainable compensation. As a federal and state contractor, the University pays the prevailing wage to skilled professionals. The city of Irvine's living wage is $10.82/hour and all regular and contract employees at the University earn a minimum of $13.70/hour, which is 26% over the living wage.

On an annual basis the University reviews the market in relationship to its non-represented salary ranges to determine if the salary range minimums and maximums need to be moved. Last year the salary ranges were moved by an average of 10%.

Individuals working at 50% time or more for a minimum of one year receive full benefits during the first month of employment. The employee's share of medical premiums is calculated on an income-sensitive basis, with lower-paid employees receiving the largest employer-subsidy. The vision and dental plans are fully paid for by the University. An eligible employee who has exhausted all paid leave due to a serious illness or injury or because the employee is caring for a seriously ill family member may apply for catastrophic leave which allows for the continuation of salary to minimize financial hardship.

ACADEMIC PERSONNEL
The number of academics being paid by UC Irvine is 3,698. Academic appointees are paid at least the minimum rate of the systemwide UC salary scales. Faculty receive merit increases and promotions based on a campus scale, which represents a higher, market-based rate. Additionally, UC Irvine conducts an annual pay equity study for faculty.

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 :

2011

The website URL where information about the institution's compensation policies and practices is available :

Employee Satisfaction Evaluation

Responsible Party

Nancy Lane
Manager, Training and Development
Human Resources

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.

Submission Note:

Nancy Lane, the respondent, is a member of the Chancellor's Advisory Committee on the Status of Staff Survey Sub-Committee.

"---" *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 :

UC Irvine campus selected the Corporate Leadership Council (CLC) to administer the Employee Engagement Survey Analysis Tool (ESAT). All 4,570 career and contract non-academic staff were invited to participate in the anonymous survey. The survey was administered online with an email invitation sent by the Chancellor's Advisory Committee on the Status of Staff co-chairs. Paper versions were also provided to units on campus that have large numbers of employees who do not have regular access to computers at work. The online and paper versions were available in both English and Spanish.

The survey was conducted September 6, 2011, to November 22, 2011. A total of 1,223 staff completed the survey, for a response rate of 27%.

The survey results provides information on the following questions
-- How engaged or unengaged are your employees and are they engaged in the ways that matter most for performance and retention?
-- How does engagement vary throughout your workforce? Are some employees more engaged than others?
-- Are your employees more or less engaged than employees in other organizations? What employee segments are at risk?
-- How can you improve the engagement of your current employees?

The year the employee satisfaction evaluation was last administered :

2011

The website URL where information about the institution's employee satisfaction evaluation process is available :

http://www.hr.uci.edu/cacss/survey_2011.php

Staff Professional Development in Sustainability

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

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

Does the institution make training and professional development opportunities in sustainability available to all staff? :

A brief description of the sustainability trainings and professional development opportunities available to staff :

The website URL where information about staff training opportunities in sustainability are available :

Sustainability in New Employee Orientation

Responsible Party

Steve Johnson
Director, Employment Services
Human Resources

Criteria

Institution covers sustainability topics in new employee orientation and/or in outreach and guidance materials distributed to new employees, including faculty and staff.

"---" 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 :

New employee orientation is provided through the online e-NEO program. The program provides comprehensive information for all new employees, including sustainable transportation resources.

The website URL for the information about sustainability in new employee orientation :

http://cast.nacs.uci.edu/ucihr01/elearning/eneo/

Employee Sustainability Educators Program

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.

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

Total number of people employed by the institution :

Program name (1st program) :

Number of employees served by the program (1st program) :

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

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

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

The website URL where information about the program is available (1st program) :

Program name (2nd program) :

Number of employees served by the program (2nd program) :

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

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

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

The website URL where information about the program is available (2nd program) :

Program name(s) (all other programs) :

Number of employees served by the program(s) (all other programs) :

A brief description of how the employee educators are selected (all other programs) :

A brief description of the formal training that the employee educators receive (all other programs) :

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

The website URL where information about the program(s) is available (all other programs) :

Childcare

Responsible Party

Kathy White
Director
Child Care Services

Submission Note:

UC Irvine also has a contract with the California Department of Education, which provides a subsidy of approximately $509,299 yearly for low-income students.

"---" *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 Irvine operates five sites. The campus provides $562,000/year to augment operations. Students, staff, and faculty all benefit.

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

http://www.childcare.uci.edu/

Employee Wellness Program

Responsible Party

Dyan Hall
Worklife and Wellness Program Manager
Human Resources

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 :

EMPLOYEE ASSISTANCE PROGRAM
The Employee Assistance Program (EAP) is a free, confidential service available to UCI employees as well as their dependents. This program is administered by Cascade Centers, an EAP provider since 1978, with oversight from UCI Human Resources.

All of the services provided under the EAP are available by a single point of contact via a toll-free telephone number, 24/7. Callers need to identify their connection to the University of California, Irvine as either an employee or a dependent of an employee. Multilingual counselors are available. Services include, but are not limited to, clinical services, personal and financial services, and work/family life services.

UCI LIVING WELL - EMPLOYE WELLNESS PROGRAM
The mission of the UCI Employee Wellness Program, UCI LivingWell, is to educate and empower the campus community to improve and maintain overall health and well-being and to advocate for a campus-wide culture of wellness. UC Irvine was named a 2011 Platinum Level Fit-Friendly Company by the American Heart Association in recognition of the campus's ongoing efforts to provide a culture of wellness for its employees.
The UCI LivingWell program includes:
• behavior modification programs
• fitness programs
• stress management programs
• online wellness programs
• educational workshops and trainings
• wellness and safety toolkit
• health assessments and screenings
• wellness related events
• healthy work policies and guidelines
• worklife balance resources
• wellness benefits

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

http://www.wellness.uci.edu/facultystaff/introduction.html

Socially Responsible Retirement Plan

Responsible Party

Melvin Stanton
Associate Chief Investment Officer
Office of the Treasurer, UC Board of Regents

"---" 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 :

The UC Retirement Savings Program allows employees to invest in a variety of funds, including the following:

Vanguard FTSE Social Index Fund
Some individuals choose investments based on social and personal beliefs. For this type of investor, we have offered Vanguard FTSE Social Index Fund since 2000. This low-cost fund seeks to track a benchmark of large- and mid-capitalization stocks that have been screened for certain social, human rights, and environmental criteria. In addition to stock market volatility, one of the fund's other key risks is that this socially conscious approach may produce returns that diverge from those of the broad market.
See:

https://ucfocusonyourfuture.mysecurebenefitsportal.com/Content/downloads/Vanguard_F0223.pdf

Calvert Social Index Fund (CSXAX)
The Fund employs a passive management strategy designed to track, as closely as possible, the performance of the Calvert Social Index. The Fund uses a replication index method, investing in the common stock of each company in the Index in about the same proportion as represented in the Index itself. The Calvert Social Index measures the performance of those companies that meet the sustainable and socially responsible investment criteria and that are selected from the universe of approximately the 1,000 largest U.S. companies, based on total market capitalization, included in the Dow Jones Total Market Index. The Index is reconstituted once a year based on an updated list of the 1000 largest U.S. companies, and is reviewed quarterly to adjust for sustainable and responsible investment criteria and other factors.
See:

http://www.calvert.com/fundprofile.html?fund=933

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

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.

Credit
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.

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

Does the institution have a committee on investor responsibility or similar body that meets the criteria for this credit? :

No

The charter or mission statement of the CIR or other body, which reflects social and environmental concerns, or a brief description of how the CIR is tasked to address social and environmental concerns :

Members of the CIR, including affiliations :

Recent examples (within the past 3 years) of CIR actions :

The website URL where information about the committee is available :

Shareholder Advocacy

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.

"---" *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? :

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? :

Has the institution conducted a negative screening of its entire investment pool within the last three years? :

A brief description of how the institution (or its foundation) has engaged in shareholder advocacy that promotes sustainability during the previous 3 years. :

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 :

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.

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

Total value of the investment pool :

Value of holdings in sustainable industries, such as renewable energy or sustainable forestry :

Value of holdings in businesses selected for exemplary sustainability performances :

Value of holdings in sustainability investment funds, such as a renewable energy investment fund :

Value of holdings in community development financial institutions (CDFIs) :

Value of holdings in socially responsible mutual funds with positive screens :

A brief description of the companies, funds, and/or institutions referenced above :

The website URL where information about the institution's sustainability investment activities is available :

Student-Managed Sustainable Investment Fund

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? :

A brief description of the student-managed sustainable investment fund :

The website URL where information about the fund is available :

Sustainable Investment Policy

Does the institution have a policy, practice or directive to consider the social and/or environmental impacts of investment decisions, in addition to financial considerations? :

A brief description of the sustainable investment policy :

The website URL where information about the policy is available :

Investment Disclosure

Responsible Party

Christie Israel
Controller
University Advancement

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

Does the institution make a snapshot of its investment holdings, including the amount invested in each fund and/or company and proxy voting records, available to the public? :

Yes

A brief description of the institution's investment disclosure practices :

UC Irvine makes the above-referenced information available upon request.

The website URL where information about investment disclosure available :

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.

Credit
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

Responsible Party

Richard Demerjian
Director
Office of Environmental Planning and Sustainability

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.

"---" 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 :

UCI is engaged in multiple sustainability partnerships with the local community including joint projects, community-based initiatives, public education, and outreach. These partnerships involve diverse sustainability topic areas including renewable and green energy, urban forestry and community gardening, environmental engineering and water quality, and habitat restoration and management.

- The Irvine Smart Grid Demonstration Project developed in partnership with Southern California Edison and green energy industry leaders that will use the Irvine campus and neighboring off-campus areas as a living laboratory to demonstrate community-wide sustainable energy production, energy storage, and smart energy distribution.

- The Amonix High Concentration Photovoltaic power generation research project involves installation of utility-scale solar energy arrays on the UCI campus in partnership with a local renewable energy manufacturer, and the California Public Utilities Commission.

- The Hydrogen Fueling Station at UCI was the first in Orange County to provide fuel for fuel cell vehicles and resulted from a partnership between UCI's National Fuel Cell Research Center and Air Products. Funding for the third-generation station was provided by the South Coast Air Quality Management District, U.S. Department of Energy, Toyota, Honda and BMW.

- The Fountain Valley biogas generation and fuel cell project was developed through a partnership between UCI and the Orange County Sanitation District to develop a demonstration project featuring a waste-to-biofuel digester that provides hydrogen fuel that powers an on-site fuel cell. Other collaborators include FuelCell Energy and Air Products.

- The ZevNet zero-emission vehicle community car sharing program for transit commuters at the Irvine Transportation Center was developed through a partnership between UCI, City of Irvine, and Toyota Motors.

- UCI Shadetree Partnership On-campus Native Tree Nursery developed through a partnership between UCI, Irvine Ranch Water District and the non-profit Shadetree Foundation.

- UCI Community Volunteer Tree Planting Program has resulted in the planting of several thousand shade trees in the campus vicinity through community volunteers.

- UCI Community Garden is an on-campus community garden program that provides garden plots to UCI affiliates. and local community members.

- UCI is a founding member and active leader in the regional 37,000 acre Nature Reserve of Orange County (NROC) ecological reserve, working with multiple public and private partners in the management and restoration of this large habitat resource.

- UCI's Urban Water Research Center is working with numerous public and private sector community partners in water quality and water resource management including local water districts, local government, and local K-12 school programs.

- UCI's Engineers without Borders works with rural communities in developing countries to implement water supply, water quality, sanitation and other environmental engineering projects to promote sustainability and self-reliance

The website URL where information about sustainability partnerships is available :

http://www.sustainability.uci.edu/resources.html

Inter-Campus Collaboration on Sustainability

Responsible Party

Richard Demerjian

Director

Office of Environmental Planning and Sustainability

Criteria

Institution collaborates with other colleges and universities to support and help build the campus sustainability community.

Submission Note:
The Canadian Association for University Continuing Education (CAUSE) has chosen the Decision Making for Climate Change certificate as a winner of the 2011 Program Excellence Award.

"---" *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 IRVINE
UCI serves in a leadership role with Second Nature/American College and University Presidents Climate Commitment (ACUPCC) to promote communication and education on Climate solutions. This includes serving on two subcommittees and authoring a column in the ACUPCC Implementer online newsletter, providing advice to US campuses on Climate Action Plan implementation.

http://www2.presidentsclimatecommitment.org/pcc/newsletter/031.html

UCI developed and implemented the "Smart Lab" program for green building design and energy efficiency in university laboratory buildings demonstrating laboratory energy use reduction of 50%. This concept has shared with numerous campuses worldwide including a presentation at the APPA National Conference, Labs 21 National Conference, Tradeline Conference, and has been the subject of best practices site visits by staff from multiple universities in the US, Asia, and the Middle East.

UC IRVINE EXTENSION
Under the banner of ASG University Partners, UC Irvine Extension is currently collaborating with the University of Washington, University of British Columbia and Northwestern University to deliver a Certificate in Decision Making for Climate Change. Each university delivers a program topic and a joint certificate is issued upon completion of the program.

Brief Summary of courses delivered:

Strategic Planning for Adaptation to Climate Change: Addresses strategic planning for adapting to and minimizing climate change. Topics include scenario building; mapping climate change to major sectors; understanding the long-term lifecycle planning process; cost analysis; risk assessment; health, safety and equity issues; plan establishment and implementation; and evaluating effectiveness of the adaptation response. Presented by University of Washington

Climate Literacy: Introduction to the factors influencing climate including interactions among the atmosphere, oceans, solid earth, and biosphere. Addresses the causes of global warming; greenhouse gases; physical carbon flows and their measurement; the carbon cycle; climate modeling; and social impacts of climate change. Presented by University of British Columbia

Decision Making in Climate Change: Making an impact in sustainability leadership requires systems thinking and a life cycle approach that can overlay every major business decision, bringing vision and knowledge, integrating corporate profitability with responsible actions that produce social value, and ensuring that goals and objectives of a sustainability initiative reflect the core values of the organization. The course will also provide an overview of the LEED system for sustainable construction; examine traditional professional and contract liabilities and how these liabilities and associated risks may be expected to play out in the new arena of sustainability. Presented by the University of California, Irvine

Policy Responses and Options: Study of existing government policies such as the Kyoto Accord; the European Union Emission Trading Scheme (ETS); the approaches of less developed nations such as China and India; and local approaches in the U.S. Presents market-based and economy-wide options for reducing carbon in the atmosphere plus use of renewable energy innovations, efficiency standards, and green forest practices. Presented by Northwestern University

See:

https://wikispaces.psu.edu/display/Big10EnvStew/Big+Ten+Environmental+Stewardship

http://www.asguniversitypartners.org/

http://www.asguniversitypartners.org/programs.asp

http://unex.uci.edu/certificates/sustainability/climate/

The names of local, state, regional, national, and other campus sustainability organizations or consortia in which the institution participates and/or is a member :

National Association of College and University Business Officers (NACUBO) - UCI serves on the Sustainability Advisory Panel for the which provides national leadership, information resources, and training to campus business officers on a full range of sustainability

topics.

www.nacubo.org/About_NACUBO/Volunteer_Leadership/Presidential_Councils/Sustainability_Advisory_

Panel.html

Second Nature/American College and University President's Climate Commitment (ACUPCC) – Board member and committee member.

Association of Physical Plant Administrators (APPA).

Association for the Advancement of Sustainability in Higher Education (AASHE)

US Green Building Council (USGBC)

Universities:
University of California System
University of Wisconsin
University of Washington
University of British Columbia
Northwestern University

A brief summary of additional ways the institution collaborates with other campuses to advance sustainability :

UCI Chair's the University of California Climate Solutions Steering Group that is responsible for implementation of large scale climate action planning, metrics, project identification, and implementation strategies for the 10-campus University of California System.

Big 10 Environmental Stewardship program – UCI staff are leading a workshop for the Big 10 Universities to share UCI practices in energy efficiency, and green laboratory building design with Midwestern campuses.

UC Irvine hosts best practices site visits from multiple US and international colleges and universities on a variety of sustainability topics.

UCI staff share best practices, present papers and lead multiple presentations, panel discussions and workshops at professional conferences involving sustainability and green energy including ACUPCC, California Higher Education Sustainability Conference, NACUBO, and APPA

The website URL where information about cross-campus collaboration is available :

Sustainability in Continuing Education

Responsible Party

Kirwan Rockefeller
Director of Sustainability Studies
UC Irvine Extension

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.

"---" *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 :

24

Total number of continuing education courses offered :

616

Does the institution have a sustainability-related certificate program through its continuing education or extension department? :

Yes

A brief description of the certificate program :

SUSTAINABLE MANAGEMENT CERTIFICATE PROGRAM
UC Irvine Extension offers cutting-edge learning and professional development for tomorrow's sustainability leaders. Our Sustainability Studies programs provide the methodologies, processes and techniques needed to implement a sustainability initiative within your organization to preserve the environment while achieving measureable growth and profitability.

UC Irvine Extension's Sustainable Business Management program and courses are approved by the Green Building Certification Institute and are approved for LEED Certification credential maintenance.

The Sustainable Management Certificate Program was founded in 2008

http://unex.uci.edu/certificates/sustainability/business/

ENVIRONMENTAL MANAGEMENT CERTIFICATE PROGRAM

Compliance with regulatory requirements, remediation and planning for sustainability greatly influences corporate operational issues and business decisions. UC Irvine's Certificate Program in Environmental Management prepares professionals at every career level to meet the challenges of the expanding regulatory framework and increased need for sustainable and green initiatives in the rapidly changing environmental profession.

The Environmental Management Certificate Program was founded in 1997

http://unex.uci.edu/certificates/facilities/environmental/

Year the certificate program was created :

2008

The website URL where information about sustainability in continuing education courses is available :

Community Service Participation

Responsible Party

Darlene Esparza
Assistant Director
Cross-Cultural Center

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.

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

The number of students engaged in community service :

18500

Total number of students, which may exclude part-time, continuing education and/or non-credit students :

27000

The website URL where information about the institution's community service initiatives is available :

http://www.ccc.uci.edu/CCC_Web/Community_Engagement/index.php

Community Service Hours

Responsible Party

Darlene Esparza
Assistant Director
Cross-Cultural Center

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.

Submission Note:

UCI has a Civic Engagement minor that is designed to increase students understanding of environmental, social, educational, and other public problems from different disciplinary perspectives. Students learn how community and non-profit organizations and public policy address significant social and environmental issues.
The minor encourages student to connect their major to public problems and concerns about equity and social justice and conduct community-based research to help understand and address public problems in community settings.

http://www.due.uci.edu/engagement_minor/

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

The number of student community service hours contributed during a one-year period :
24000

Total number of students, which may exclude part-time, continuing education and/or non-credit students :
27000

The website URL where information about the institution's community service initiatives is available :
http://www.ccc.uci.edu/CCC_Web/Community_Engagement/index.php

Sustainability Policy Advocacy

Responsible Party

Kathleen Eiler
Director, Federal Relations
Community and Government Relations

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.

"---" *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 Irvine's Office of Community and Government Relations, in collaboration with the UC Offices of Federal Governmental Relations and State Governmental Relations, monitors legislation and funding opportunities that align with and impact UC system-wide and campus sustainability research and teaching efforts. The campus routinely reaches out to elected officials on the subject of sustainability in an effort to share new knowledge and contribute to informed policymaking on subjects ranging from climate change to energy and water research.

John Hemminger, professor of chemistry and UC Irvine's vice chancellor for research since November 2010, chairs the U.S. Department of Energy's basic energy sciences advisory committee, and has briefed House and Senate committees on sustainable energy and scientific policy. In a February 14, 2011, letter, W.F. Brinkman, director of the Department of Energy's Office of Science, thanked Professor Hemminger for his continued service and noted the successful delivery of various committee reports, including what Brinkman referred to as "the highly impactful report" titled "New Science for a Secure and Sustainable Energy Future," as well as "Science for Energy Technology: Strengthening the Link between Basic Research and Industry." Brinkman credits these and other committee reports with helping to "shape the research agenda of the Basic Energy Sciences programs" and notes that the reports were "instrumental in guiding the establishment of the suite of Energy Frontier Research Centers." See:

http://science.energy.gov/~/media/bes/besac/pdf/Charge_2011.pdf

Michael Prather, professor and Fred Kavli Chair in UC Irvine's Earth System Science Department, is director of the UC Irvine Environment Institute. His research on atmospheric chemistry contributes to the scientific understandings of ozone depletion and climate change, and he has participated in the political process as an expert at intergovernmental meetings and as a lead author on international

assessments (Montreal Protocol, UNFCCC). He recently served on the National Academies panels: Interhemispheric Transport of Air Pollution; Methods for Estimating Greenhouse Gas Emissions; and Climate, Energy, and National Security.

In recent months, UC Irvine's Office of Federal Relations has arranged a series of meetings with elected officials, federal agency representatives, and officials within the Obama Administration to create awareness about the UC Climate Solutions Steering Group, which is chaired by Wendell C. Brase, Vice Chancellor for Administrative and Business Services at UC Irvine. Under the leadership of Vice Chancellor Brase, this group advises UC's Executive Vice President for Business Operations on strategies for moving UC's climate commitment, with the ultimate goal of climate neutrality.

The University of California has adopted policies to aggressively reduce greenhouse gases generated as a result of University activities and has committed to:

By 2014 – Reduce greenhouse gas (GHG) emissions to year 2000 levels, per UC Presidential Policy.

By 2020 – Reduce emissions to 1990 levels, per UC Presidential Policy and in compliance with AB 32, the California Global Warming Solutions Act.

As soon as feasible – Achieve climate neutrality, per the American College and University Presidents' Climate Commitment (ACUPCC), of which UC is a charter signatory.

Additionally, a representative from the National Fuel Cell Research Center at UC Irvine recently did three briefings on Capitol Hill regarding stationary and mobile applications for fuel cells.

UC Irvine's Transportation and Distribution Services unit engages in advocacy by working with the City of Irvine, the Orange County Transportation Authority, and the South Coast Air Quality Management District to monitor legislation, comment on policy, and seek funding opportunities for sustainable transportation. Transportation and Distribution Services also works through a variety of professional organizations to advocate for rideshare funding, bikeways, Complete Streets, sustainable transportation education, and sustainable practices on college campuses.

The website URL where information about the institution's advocacy efforts are available :

Trademark Licensing

Responsible Party

Dan Dooros
Associate Vice Chancellor
Student Affairs

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.

Submission Note:

For additional information, see:

http://www.workersrights.org/about/as.asp

http://www.fairlabor.org/affiliate/university-california-irvine

http://www.workersrights.org/dsp.asp

"---" *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 :

Graduation Pledge

Does the institution administer a graduation pledge through which students pledge to consider social and environmental responsibility in future job and other decisions? :

A brief description of the graduation pledge program :

The website URL where information about the graduation pledge program is available :

Community Service on Transcripts

Does the institution include community service achievements on student transcripts? :

A brief description of the practice :

The website URL where information about the practice is available :

Farmers' Market

Responsible Party

Sandy Jones
Executive Director
Student Government

Submission Note:

Each Saturday, the Irvine Farmers' Market is held across the street from all UCI on-campus housing communities. The campus actively supports this local farmers' market as an opportunity to commit to the city's sustainable efforts and to building stronger community relations.

See:
http://www.yelp.com/biz/irvine-farmers-market-irvine

"---" *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 Irvine Associated Student Government (ASUCI) holds a market six times a year. The ASUCI Farmers' Market Coordinator manages the program.

The website URL where information about the market is available :

http://www.asuci.uci.edu/farmersmarket/index.php

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

Innovation 1

<div style="text-align: center">

Responsible Party

Jack Brouwer
Associate Director
National Fuel Cell Research Center

</div>

Criteria

1) Innovation credits are reserved for new, extraordinary, unique, ground■breaking, 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.

Submission Note:

UC Irvine has not previously received a STARS innovation credit fort his practice, policy, program, or outcome.

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

A brief description of the innovative policy, practice, program, or outcome :

Engineers at the National Fuel Cell Research Center (NFCRC) at UC Irvine invented the core technology used in the creation of the world's first tri-generation fuel cell and hydrogen energy station, which was deployed in 2011 at the Orange County Sanitation District in

Fountain Valley, about eight miles northwest of the campus. The system uses biogas from the municipal wastewater treatment plant as the fuel for a fuel cell that co-produces hydrogen in addition to electricity and heat. The hydrogen produced by the system is dispensed at a hydrogen fueling station that is managed by the NFCRC, open to the public, and can support between 25 and 50 fuel cell electric vehicle fills a day. The fuel cell also produces heat which is available to support the thermal demand of the wastewater treatment plant as well as approximately 250 kilowatts of power for use by the plant. The on-site approach to hydrogen production is expected to accelerate the availability and use of renewable bio hydrogen fuel.

The project was funded by the U.S. Department of Energy, the California Air Resources Board, and the South Coast Air Quality Management District, and developed and deployed through a collaborative effort involving Air Products and Chemicals, Inc., FuelCell Energy, Inc. and the National Fuel Cell Research Center.

For more information, see:

http://apps1.eere.energy.gov/news/progress_alerts.cfm/pa_id=600

http://www.airproducts.com/company/news-center/2011/0816-hydrogen-for-air-products-newest-fueli

ng-station-comes-from-municipal-wastewater.aspx

A letter of affirmation from an individual with relevant expertise :

18_Innovation 1_Tri-Generation System_AffirmationLetter.pdf

The website URL where information about the innovation is available :

http://www.uci.edu/features/2011/08/feature_wastenot_110822.html

Innovation 2

Responsible Party

Matt Gudorf
Campus Energy Manager
Facilities Management

Criteria

1) Innovation credits are reserved for new, extraordinary, unique, ground■breaking, 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:

UC Irvine has not previously received a STARS innovation credit fort his practice, policy, program, or outcome.

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

A brief description of the innovative policy, practice, program, or outcome :

UC Irvine's Smart Labs Initiative successfully challenges industry best practices. In 2005, UC Irvine facilities engineers took a skeptical look at what had been touted by developers as "smart building" technology: the use of occupancy sensors to turn on and off heating,

ventilation and air conditioning (HVAC), as well as lighting. UC Irvine knew it could do better. By 2008, the campus recognized that while modern laboratories employed direct digital controls and variable volume air delivery and exhaust, these systems had merely replicated the functions of the pneumatic systems that had been in use for 70 years, albeit with more precise control. Moreover, gains in energy efficiency design standards had plateaued.

In 2008, when the campus set out to cut its laboratory energy use in half – double the performance required under California Title 24 energy efficiency standards – the outcome was uncertain. Until recently, most attempts to improve laboratory energy efficiency had plateaued at 20-25 percent better than code. In order to make a major impact on its carbon footprint, UC Irvine set the savings goal much higher – 50 percent – challenging established best practices, and, if successful, raising the performance bar for all laboratories. The campus also set a binding requirement that these savings could not be achieved at the expense of safety.

Smart Labs has proven instrumental in safely reducing energy consumption by 50 percent in both new and retrofitted laboratories. Sue and Bill Gross Hall, an 82,000-square-foot state-of-the-art facility that houses the Sue and Bill Gross Stem Cell Research Center and is part of the California Institute for Regenerative Medicine, was designed and built from the ground up with Smart Labs technologies and is one of the most energy-efficient laboratories in the United States. Ten other laboratory buildings on the UC Irvine campus have been successfully retrofitted with Smart Lab technologies.

A letter of affirmation from an individual with relevant expertise :

18_Innovation 2_Smart Labs_AffirmationLetter.pdf

The website URL where information about the innovation is available :

http://www.ehs.uci.edu/programs/energy/index.html

Innovation 3

Responsible Party

John Whiteley
Professor
Social Ecology

Criteria

1) Innovation credits are reserved for new, extraordinary, unique, ground■breaking, 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.

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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:

UC Irvine has not previously received a STARS innovation credit fort his practice, policy, program, or outcome.

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

A brief description of the innovative policy, practice, program, or outcome :

The UC Irvine Summer Sustainability Series was launched in July 2011 when 70 emerging leaders from 20 different countries were invited to UC Irvine to share scholarly insights about the ways in which science, law, and governance contribute to sustainability on

Earth. They also addressed the special roles of civil society, non-governmental organizations, and international governmental organizations in overcoming obstacles to, and implementing visions of, sustainability, including the contributions and limitations of environmental law.

Among the characteristics that distinguish the UCI Summer Sustainability Series are its global reach and the breadth of topics covered. The 2011 program covered four general areas:
• The difficult global context for achieving sustainability
• Case studies of compelling sustainability challenges in Egypt, China, Ecuador, India, Costa Rica, Israel, and Brazil
• The inequality underpinning the 1 billion people living in slums and the concepts of environmental justice and environmental racism (i.e., Are the current operating rules for capitalism compatible with sustainability?)
• Coastal protection with a focus on the Mexican and California coasts and the future of the Arctic

For more information about the inaugural program, see:

http://www.newkirkcenter.uci.edu/Summer%20Sustainability/agenda%20summer%20sustainability.pdf

and

http://www.youtube.com/watch?v=zn7ZweMBX8k

A letter of affirmation from an individual with relevant expertise :

18_Innovation 3_Empowering Sustainability_AffirmationLetter.pdf

The website URL where information about the innovation is available :

http://socialecology.uci.edu/pages/empowering-sustainability-earth

Innovation 4

Responsible Party

Yang "Arthur" Zhang
Technology Manager
CalPlug

Criteria

1) Innovation credits are reserved for new, extraordinary, unique, ground■breaking, 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:

UC Irvine has not previously received a STARS innovation credit fort his practice, policy, program, or outcome.

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

A brief description of the innovative policy, practice, program, or outcome :

UC Irvine is home to the new California Plug Load Research Center, or CalPlug, a public-private partnership established in 2011 with research funding from the California Energy Commission to improve energy efficiency in the use and design of appliances and consumer

electronic devices – anything that plugs into an electrical outlet. Currently, these devices are responsible for as much as 20 percent of the electrical consumption in buildings, and this figure is expected to grow to 30 percent by 2030. Founding board members include representatives of the Energy Commission, Southern California Edison, Broadcom Corp., the Consumer Electronics Association, and UC Irvine leadership.

CalPlug focuses on energy efficiency solutions, efficiency evaluations of consumer electronics, standards development, education and public outreach, and user-behaviour studies. CalPlug will address challenges in plug-load efficiency for both residential and commercial buildings by collaborating closely with utilities, manufacturers, advocacy groups, research institutions, and energy policy makers.

At CalPlug, innovation extends beyond research labs and into industry, commerce and government. Business collaborations, studies of user behavior and consumer education are essential to plug-load energy conservation. Through collaborations with research institutes and manufacturers, the Center assists in developing future appliance efficiency standards and incentives for manufacturers and retailers.

The CalPlug research center is located in the California Institute for Telecommunications and Information Technology (Calit2) on the UC Irvine campus.

A letter of affirmation from an individual with relevant expertise :

18_Innovation 4_CalPlug_AffirmationLetter.pdf

The website URL where information about the innovation is available :

http://calplug.uci.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.

Credit
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

Criteria

Institution provides details about how it incorporates sustainability into new student orientation.

"---" 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 :

Hospitality and Dining Services collaborates with student organizations such as The Green Initiative Fund, Green Campus, and the Real Food Challenge to educate new students on sustainable dining initiatives, including Weigh the Waste, which is held in each dining commons at the beginning and end of each quarter and measures all food wasted/not eaten by students at one meal. The results are shared via posters, so, for example, students learn that 246 diners wasting a total of 416 ounces of food have thrown away the equivalent of 69 pizzas! During Week 1 of the Fall Quarter, Hospitality and Dining Services hands out 4,000 water bottles to incoming freshmen. The students also receive fliers with maps to on-campus "hydration stations." The fliers are used throughout the year to educate students and visitors about the availability of this alternative to single-use plastic water bottles. The Carbon Foodprints campaign uses signage to show diners the relative carbon impact of their food choices. The information appears on posters and napkin holders. Hospitality and Dining Services' Website contains specific information about sustainable dining options. See

http://www.campusdish.com/en-US/CSW/UnivCaliforniaIrvine/Sustainability

Does new student orientation incorporate sustainability information into presentations (e.g., made by Residential Advisors to individual dorm floors)? :

No

Provide a brief description of the presentations :

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 :

Freshman are required to bring their own linens to orientation. All products for orientation are Greenware and first year students are provided with reusable water bottles. All orientation staff (135) use reusable water bottles.

Does the institution incorporate sustainability into new student orientation in other ways? :

Yes

Provide a brief description :

The New Student Handbook: 2012-2013 contains information about sustainable transportation options. See:

http://www.newstudents.uci.edu/transportation.php

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Food Education

Responsible Party

Kathy Haq
Manager of Special Projects
Administrative and Business Services

Criteria

Institution provides education about eco-positive food and gardening techniques.

"---" 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 :

Dr. Peter Bowler, a senior lecturer in Ecology & Evolutionary Biology, teaches a number of courses in which he addresses eco-positive food choices. Among these are the Senior Seminars on Global Sustainability, the capstones of the UCI Interdisciplinary Minor in Global Sustainability. The seminars are offered through Biological Sciences, Earth System Science, and Social Ecology. In all of these classes, students write papers, watch DVDs, discuss relevant topics, and make PowerPoint presentations on subjects that are related to sustainability, including eco-positive food choices. In addition, Dr. Bowler provides students with the Monterey Bay Aquarium Seafood Watch: A Consumer's Guide to Sustainable Seafood (

http://www.montereybayaquarium.org/cr/seafoodwatch.aspx

), Monterey Bay Aquarium Seafood Watch Recommendations (

http://www.montereybayaquarium.org/cr/cr_seafoodwatch/sfw_recommendations.aspx

), the National Smart Seafood Guide (

http://www.foodandwaterwatch.org/fish/seafood/guide/

) and other, similar materials. Students watch DVDs such as "Frankensteer" and "Net Loss," and discuss organic and certified vegetable categories. Dr. Bowler leads "grazing tours" of the University of California's Natural Reserve System's San Joaquin Marsh (adjacent the campus), and he and his students sample Swiss chard, pickle weed, fennel, and other edible plants. (Dr. Bowler also leads these tours for student groups such as Students for Sustainability.) Discussion is dedicated to the impacts of raising and eating beef and other red meat products. Students are encouraged to visit Tanaka Farms, a local organic food farm a mile from the UC Irvine Campus, and to go to the local and campus Farmers' Markets to learn about the differences between organic and not-certified products.

In his "Horticultural Science" class, Dr. Bowler shows DVDs, provides access to a large personal horticultural library from which students may freely borrow (including many, many books about organic farming, raising your own foods, and so forth), and discusses

eco-positive food choices briefly in lectures.

In his "Limnology and Freshwater Biology" class, Dr. Bowler presents DVDs about the impacts of farm-raised salmon and also discusses the issue briefly. In "Mediterranean Ecosystems: Biodiversity and Conservation" Dr. Bowler talks about agricultural practices in the five Mediterranean-type ecosystems, as well as those that promote eco-positive food choices and approaches. And in "Environmental Ethics," he discusses personal choice as it relates to food, as well as other topics, including the impacts of raising beef and factory farming.

Dr. Yong Chen, an associate professor of History, addresses this issue in two classes: a lower division lecture course on food, "Eating America," and an undergraduate seminar on consumption where students discuss issues like the Whole Foods phenomenon and the citizen-consumer relationship. These two courses are taught on a regular basis.

Dr. Raul Lejano, an associate professor in Social Ecology, teaches an undergraduate course called "Human Ecology: Population, Climate, Economy" in which students examine the basics of life-cycle assessment and calculate the ecological footprints of lifestyles (food choice, purchase of goods, travel). Students evaluate personal choices, and student groups analyze the impact of converting to a vegetarian diet or low-calorie diet, for example. Impacts are measured in tons of water a year saved, gallons of gasoline or Joules of energy saved, and tons of carbon emissions avoided.

Dr. Mike Mulligan, a professor in Developmental & Cell Biology, teaches an undergraduate course called "Plant Cell and Molecular Biology" that includes several lectures that address such topics as modern global agriculture from the harvest to the table and natural plant defense mechanisms that would replace insecticides.

Dr. Franz Hoffmann, a senior lecturer in Developmental & Cell Biology, includes a lecture in his undergraduate course on "Plant Cell and Molecular Biology" that addresses genetically modified organisms, food, and population.

Are students educated in dining facilities about how to make eco-positive food choices? :

Yes

Provide a brief description :

UCI introduced "carbon food prints" which is a program that leads students to make responsible decisions in dining and leads them to the food items that have the least adverse affect on our environment. UCI also hosts a series of educational dinners with guest speakers discussing relevant topics around sustainability.

Are students educated during orientation about how to make eco-positive food choices? :

Yes

Provide a brief description :

Sustainable food choices, information on composting and introduction to the "carbon food print program" is done during freshman orientation events.

Are students educated in other venues about how to make eco-positive food choices? :

Yes

Provide a brief description :

Students are educated in various venues such as themed housing, dining centers, and athletic events as well as the Homecoming zero-waste event.

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 :

In his "Horticultural Science" class, Dr. Peter Bowler shows DVDs, provides access to a large personal horticultural library from which students may freely borrow (including many, many books about organic farming, raising your own foods, and so forth), and discusses eco-positive food choices briefly in lectures.

The Real Food Challenge at UCI is part of a nationwide, student-based network that advocates "real" food: ecologically sound, community-based, humane and fair. The group was responsible for the creation of a student-run organic garden on campus and advocates educational activities that show students how to grow their own food.

Food and Beverage Purchases

Responsible Party

Jack McManus
Director
UCI Hospitality and Dining

Criteria

Institution provides details of its food and beverage purchases.

"---" *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 :

List what tool your institution is using to track this information (e.g. Center for Environmental Farming Systems or CBORD) :

List items procured for dining services from on-campus organic garden(s) :

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 :

Food and Beverage Purchases

Confinement-Free Food Purchases

<div align="center">

Responsible Party

Jack McManus
Director
UCI Hospitality and Dining

</div>

Criteria

Institution provides details of its confinement-free animal product purchases.

<div align="right">

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

</div>

Type of cage-free / free-range eggs purchased :

All Eggs are Cage Free Wilcox Farms

Percentage purchased :

100

Comments :

Type of confinement-free product purchased (1st product) :

Percentage purchased (1st product) :

Comments (1st product) :

Type of confinement-free product purchased (2nd product) :

Percentage purchased (2nd product) :

Comments (2nd product) :

Type of confinement-free product purchased (3rd product) :

Percentage purchased (3rd product) :

Comments (3rd product) :

Type of confinement-free product purchased (4th product) :

Percentage purchased (4th product) :

Comments (4th product) :

Vegetarian-Fed Food Purchases

Criteria

Institution provides details of its vegetarian-fed animal product purchases.

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

Type of vegetarian-fed product purchased (1st product) :

Percentage purchased (1st product) :

Comments (1st product) :

Type of vegetarian-fed product purchased (2nd product) :

Percentage purchased (2nd product) :

Comments (2nd product) :

Type of vegetarian-fed product purchased (3rd product) :

Percentage purchased (3rd product) :

Comments (3rd product) :

Type of vegetarian-fed product purchased (4th product) :

Percentage purchased (4th product) :

Comments (4th product) :

Type of vegetarian-fed product purchased (5th product) :

Percentage purchased (5th product) :

Comments (5th product) :

Hormone-Free Food Purchases

Responsible Party

Jack McManus
Director
UCI Hospitality and Dining

Criteria

Institution provides details of its hormone-free animal product purchases.

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

Type of hormone-free product purchased (1st product) :

Egg products

Percentage purchased (1st product) :

100

Comments (1st product) :

All eggs used on campus are cage free organic

Type of hormone-free product purchased (2nd product) :

Percentage purchased (2nd product) :

Comments (2nd product) :

Type of hormone-free product purchased (3rd product) :

Percentage purchased (3rd product) :

Comments (3rd product) :

Type of hormone-free product purchased (4th product) :

Percentage purchased (4th product) :

Comments (4th product) :

Type of hormone-free product purchased (5th product) :

Percentage purchased (5th product) :

Comments (5th product) :

Seafood Purchases

Responsible Party

Jack McManus
Director
UCI Hospitality and Dining

Criteria

Institution provides details of seafood products purchased that meet Marine Stewardship Council Blue Ecolabel standards and/or Monterey Bay Aquarium Seafood Watch guidelines.

"---" *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) :

All seafood purchased by UCI

Percentage purchased (1st product) :

100

Standard used (1st product) :

Monterey Bay Aquarium Seafood Watch guidelines

Comments (1st product) :

Type of seafood product purchased that meets Marine Stewardship Council Blue Ecolabel standards and/or Monterey Bay Aquarium Seafood Watch guidelines (2nd product) :

Percentage purchased (2nd product) :

Standard used (2nd product) :

Comments (2nd product) :

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) :

Comments (3rd product) :

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) :

Comments (4th product) :

Type of seafood product purchased that meets Marine Stewardship Council Blue Ecolabel standards and/or Monterey Bay Aquarium Seafood Watch guidelines (5th product) :

Percentage purchased (5th product) :

Standard used (5th product) :

Comments (5th product) :

Dishware

Responsible Party

Jack McManus
Director
UCI Hospitality and Dining

Criteria

Institution provides details of the dishware its provides at its dining services locations.

"---" 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? :

No

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. :

Reusable Melamine

Energy Initiatives

Responsible Party

Matt Gudorf
Campus Energy Manager
Facilities Management

Criteria

Institution provides details about its energy initiatives.

"---" 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 :

81

The percentage of overall energy consumption reduced as a result of retrofits and renovations completed within the past three years :

21.78

The percentage of electricity consumption reduced as a result of retrofits and renovations completed within the past three years :

15.78

The percentage of thermal energy consumption reduced as a result of retrofits and renovations completed within the past three years :

6

The combined gross square footage of all buildings that were constructed or underwent renovations in the past three years that are ENERGY STAR labeled :

0

The names of all buildings that were constructed or underwent renovations in the past three years that are ENERGY STAR labeled :

Not applicable

The combined gross square footage of all buildings that are ENERGY STAR labeled :

0

The names of all buildings that are ENERGY STAR labeled :

Not applicable

Energy Use by Type

<div align="center">

Responsible Party

Matt Gudorf
Campus Energy Manager
Facilities Management

</div>

Criteria

Institution reports its energy use by type.

Submission Note:

Typically, the system operates with the majority of the steam being used for campus heating and process usage. The system is fired exclusively from natural gas.

The remainder of campus electricity not generated by the cogeneration facility is supplied through the Southern California Edison system. In 2011, UCI bought its commodity electricity service through Noble Americas.

Noble Americas' power content label listed 24% non-hydro renewable electricity.

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

The percentage of total electricity use from coal. :

2.53

The percentage of total electricity use from wind. :

2.53

The percentage of total electricity use from biomass. :

0.25

The percentage of total electricity use from natural gas. :

82.47

The percentage of total electricity use from solar PV. :

1.62

The percentage of total electricity use from geothermal. :

2.53

The percentage of total electricity use from nuclear. :

3.54

The percentage of total electricity use from hydro. :

4.04

The percentage of total electricity use from other. :

0.50

Provide a brief description. :

Fuel Oil and Other listed on the Noble Americas power content label

The percentage of total energy used for heating buildings from coal. :

0

The percentage of total energy used for heating buildings from biomass. :

0

The percentage of total energy used for heating buildings from electricity. :

1.60

The percentage of total energy used for heating buildings from natural gas. :

30.93

The percentage of total energy used for heating buildings from geothermal. :

0

The percentage of total energy used for heating buildings from fuel oil. :

0

The percentage of total energy used for heating buildings from other. :

67.37

Provide a brief description. :

Co-generation

If cogeneration, please explain. :

The campus owns, operates, and maintains, a combined-cycle combustion turbine and steam turbine generating plant with a gross maximum rating of 19 megawatts. See Notes section below.

Procurement

Responsible Party

Rick Coulon
Interim Director
Materiel and Risk Management

Criteria

Institution provides details about its procurement efforts.

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

The percentage of institutionally purchased appliances that are ENERGY STAR rated (of eligible appliance categories) :

90

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) :

15

Does the institution's vendor code or policy require vendors to use less packaging? :

Yes

Bike Sharing

Responsible Party

Michael Davis
Assistant Director, Sustainable Transportation
Transportation and Distribution Services

Criteria

Institution reports the number of bicycles available through bike sharing programs.

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

The number of bicycles available through bike sharing programs :

40

Water Initiatives

Responsible Party

Kathy Haq
Manager of Special Projects
Administrative and Business Services

Criteria

Institution provides details about its water initiatives.

Submission Note:

UCI uses reclaimed water for irrigation of 90% of its landscaping and this is metered by the Irvine Ranch Water District.

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

Is there is a ban or restriction on selling or distributing bottled water on campus? :

No

Provide a brief description of any bottled water ban or restriction :

UCI has multiple "hydration" stations around the campus and often distributes free water bottles to discourage the purchase of single-use water bottles.

Does the institution meter any of its non-potable water usage? :

Yes

The percentage of urinals on campus that are waterless :

0.05

Endowment

Criteria

Institution provides details about its endowment.

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

The institution's total endowment market value as of the close of the most recent fiscal year :

Date as of :

Does the institution offer donors the option of directing gifts to an investment fund that considers environmental/sustainability factors? :

If yes, or if currently under consideration, provide a brief description :

Has the institution made investments in on-campus energy and/or water efficiency projects through the endowment (as an endowment investment and not a payout or using operating budget funds) :

Size of capital commitments made within past 3 years :

Provide a brief description :

Does institution lack the ability to vote proxies on environmental and social resolutions, as the entire equity holdings of the endowment are invested in mutual funds (e.g. CommonFund, Fidelity, Vanguard)? :

Does the institution lack the ability to vote proxies on corporate governance resolutions, as the entire equity holdings of the endowment are invested in mutual funds (e.g. CommonFund, Fidelity, Vanguard)? :

Do investment managers handle the details of proxy voting on environmental and social resolutions? :

Do investment managers handle the details of proxy voting on corporate governance resolutions? :

Are investment managers provided with general guidelines that determine proxy votes on environmental and social resolutions? :

Are investment managers provided with general guidelines that determine proxy votes on corporate governance resolutions? :

Are investment managers provided with specific guidelines that determine proxy votes on environmental and social resolutions? :

Are investment managers provided with specific guidelines that determine proxy votes on corporate governance resolutions? :

Does a single administrator determine proxy votes on environmental and social resolutions? :

Does a single administrator determines proxy votes on corporate governance resolutions? :

Does a committee of administrators and/or trustees deliberate and make decisions on proxy votes on environmental and social resolutions? :

Does a committee of administrators and/or trustees deliberate and make decisions on proxy votes on corporate governance resolutions? :

Does a committee that includes student representatives deliberate and make recommendations or decisions on proxy votes on enviromental and social resolutions? :

Does a committee that includes student representatives deliberate and make recommendations or decisions on proxy votes on corporate governance resolutions? :

Is institution community feedback incorporated into proxy voting decisions on environmental and social resolutions through town hall meetings or a website? :

Is institution community feedback incorporated into proxy voting decisions on corporate governance resolutions through town hall meetings or a website? :

Sustainability Staffing

Responsible Party

Richard Demerjian
Director
Office of Environmental Planning and Sustainability

Criteria

Institution reports the amount of weekly time worked by people employed in the sustainability office, if applicable (in full-time equivalent).

Submission Note:

UC Irvine employs a full-time director of environmental planning and sustainability and more than 20 FTEs with assigned responsibilities for sustainability plans, projects, and coordination.

"---" *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) :

3

FTE staff on payroll :

3

FTE student intern/fellow :

0

Sustainability Staffing