



University of California, Merced

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

Date Submitted: June 1, 2012

STARS Version: 1.2

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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
Outdoors Program
Themed Semester or Year

Student Sustainability Educators Program

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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 :

5198

Program name (1st program) :

Alliance to Save Energy Green Campus

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

500

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

The Alliance to Save Energy's Green Campus program at UC Merced is on the cutting edge of sustainability. The program has four primary pillars of focus: energy efficiency, water conservation, green work force development, and academic infusion.

Peer-to-peer outreach activities have included tabling, electronic outreach, fraternity/sorority partnerships and movie nights.

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

Educators can sign up to be club members and self-select into the the peer educator program.

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

Students are trained mostly through the Green Campus program. Training includes introduction to campus resources and off campus partnerships to provide up-to-date energy efficient ideas.

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

The Green campus program is support through paid internships as well as Faculty and staff who work with various campus partners to help promote green campus activities.

The website URL for 1st Program :

http://www.facebook.com/home.php?sk=group_87652107746&ref=ts

Program name (2nd program) :

Energy Service Corps

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

50

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

The UC Merced Energy Service Corps is part of a national program that aims to reduce energy use through education and service. I

The local chapter includes a team of 10 board members who train and recruit volunteers to serve the Merced community.

During the past year, Energy Service Corps educated Merced residents about energy-efficient alternatives for light bulbs. Fluorescent light bulbs, energy efficient tips and weather strips were instruments used to reduce electricity bills.

The team also uses phone calls and follow-up emails are sent after the informational events to track reduction of energy.

In November 2011, the group launched Project Axiom: Home Assessment Blitz, in which 100 students and residents will aim to collect 150 home surveys from residents in the Merced area. . Volunteers went door to door asking residents about their energy use, explaining ways to conserve energy and save money. Members of student and Greek organizations participated.

In coming months, the organization will visit K-12 schools to hold energy-efficient workshops. The local chapter is getting ready to give workshops in Spanish to target the Latino community.

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

Students can sign up to support and become members of the Energy Service Corps. Two club leaders are paid interns who complete an application process to help meet the Energy Service corps community program needs.

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

Students receive formal training on conducting house calls to complete an energy audit. Students go from door to door offering free home assessments.

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

The program has received funding from its national organization as well as funding from UC Merced student government - Associated Students of UC Merced (ASUCM).

The website URL for 2nd program :

<http://www.facebook.com/energyservicecorps.ucm>

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 :

<https://sites.google.com/site/uengineersforasustainableworld/>

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

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

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) :

UC Merced Water Battle 2011

A brief description of the campaign(s) :

The approximately 565 students living in the Valley Terraces on-campus residence hall competed as communities in a month long water conservation competition. The hall that saved the most water per person through won a pizza party, prizes and \$1,000 to donate to a local nonprofit organization.

The student group Green Campus planned and organized the contest, along with UC Merced sustainability leaders, the student chapter of Engineers for a Sustainable World and Los Gatos, CA-based startup company Aquacue Inc. Aquacue Barnacle, a flow monitoring and data-transmitting device attached to each hall's water meter allowed students to check real-time water usage and hall rankings on a website and their smartphones.

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

Almost 90,000 gallons of water were saved in the month of October through the campaign. The groups continue to have a presence on Facebook and the Aquacue website to track and encourage continued water conservation.

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

<http://aquacue.net/ucmerced>

Sustainability in New Student Orientation

Responsible Party

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

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 :

Sustainability leaders from campus, such as the recycling coordinator, present at each summer orientation session for incoming students. Each fall, new students attend the Ascend New Student Success Conference which includes a number of sustainability-related workshops, such as Rethink Recycling and The Benefits of Joining a Professional Engineering Organization (including Engineers for a Sustainable World).

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

Sustainability Outreach and Publications

Responsible Party

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

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 :

The central sustainability website at UC Merced includes information on teaching and research, green building, food, procurement, human resources, communications and outreach, energy, water, waste and recycling, transportation, land management, and university community and planning. The website acts as a repository for sustainability-related information for all aspects of the university.

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

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

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Does the institution have a sustainability newsletter? :

Yes

A brief description of the sustainability newsletter :

UC Merced's chapter of Green Campus publishes a monthly newsletter. The stories are written by students and directed toward students. Stories include updates on current campus events and accomplishments.

The website URL for the sustainability newsletter :

<http://www.ucmgreencampus.com/newsletters.html>

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 :

Each year UC Merced highlights faculty, student and staff research through Research Week. The week-long event includes presentations, workshops and speakers by all three groups involved in research projects. Undergraduate and graduate student research is presented through poster sessions, including competitions. Because UC Merced's main research theme, outlined in its Strategic Academic Vision, is sustainability, many of the research projects highlighted during Research Week are related to sustainability.

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

<http://www.ucmerced.edu/research/research-week>

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

Yes

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

All LEED-certified buildings on campus display plaques that highlight the LEED certification level of the building and explain UC Merced's Triple Zero Pledge.

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? :

No

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

Brochures are not provided as they are viewed as an unnecessary use of paper. Information on sustainable solutions in Dining are shared on Dining's website.

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

<http://sustainability.ucmerced.edu/sustainable-campus-features/food>

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? :

No

A brief description of the sustainability walking map or tour :

The website URL of the sustainability walking map or tour :

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 Merced Transportation and Parking Services (TAPS) has a website that lists and explains the alternative methods of transportation available on campus, including the institution's CatTracks shuttle, the city of Merced's bus system, UC Merced's Zimride program to find carpool partners, and the Hertz on Demand car share program.

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

<http://taps.ucmerced.edu/sustainability-transportation-parking-and-fleet-services>

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

No

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

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

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)

:

Yes

A brief description of this material :

UC Merced Sustainability has a presence on Facebook, Twitter and Tumblr. UC Merced Recycles also has a presence on Facebook and often uploads pictures and videos to educate on recycling.

The website URL for this material :

<http://www.facebook.com/ucmsustainability>

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

Yes

A brief description of this material :

Sustain News You Can Use is an email alert sent regularly to campus constituents (staff, students, and faculty) who subscribe to the service. This email contains information on sustainability on campus and throughout the higher education community.

The website URL for this material :

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

Yes

A brief description of this material :

An annual report is submitted to the UC Regents on the system's progress toward meeting its sustainability goals. As one of the ten campuses in the system, UC Merced data and information are highlighted in this report.

The website URL for this material :

<http://www.universityofcalifornia.edu/sustainability/reports.html>

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 :

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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

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

Yes

The name and a brief description of each student group :

UC Merced has at least 6 active student groups focused on aspects of sustainability. They include: ASUCM (student senate) Sustainability Council, Energy Service Corps, Engineers for a Sustainable World, Green Campus, Green Club, and Recycling Club. The URL listed below includes information on all of these student groups.

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

2011 Residence Halls Water Competition:

In collaboration with Engineers for a Sustainable World, AquaCue and The Office of Sustainability, Green Campus organized a Water Battle against the 9 Valley Terraces (Upper-Class Housing), challenging students to save water in their dorms by simply taking shorter showers, or turning off the water while brushing their teeth.

UC Merced Castle Air Building Retrofit:

Green Campus worked to improving the energy efficiency of UC Merced's Castle Air Building Retrofit. This is a huge building that houses planes such as the B-17 Flying Fortress, the B-24 Liberator, the B-29 Super Fortress, the B-26 Marauder and the B-25 Mitchell Bomber as well as the Mustang.

Greenest Greek Competition:

Fraternities and Sororities competed for the title of UC Merced's Greenest Greek 2012 by working to get the most sustainability pledges signed within a competitive 2 week period.

Green Fiend BBQ

The Green Fiend BBQ was a public outreach event that used some free food and activities to inspire chats with the sustainability related clubs, organizations, and departments. A highlight of the event was the Green Campus "bike blender" which enabled students to produce a milkshake by powering a stationary bicycle. Youtube video here:

http://www.youtube.com/watch?v=Fms-H1ul7cM&feature=player_embedded

List other student groups that address sustainability :

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

<http://sustainability.ucmerced.edu/node/46>

Organic Garden

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

"---" 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 :

UC Merced operates an herb garden attached to the dining commons and has approved the Summer 2012 groundbreaking of a 625 sq. foot student-led garden located on campus property. The garden's goal is to encourage health and wellness by striving to develop a sense of environmental responsibility and stewardship and provide an outdoor learning environment.

The website URL where information about the garden is available :

https://ucmcrops.ucmerced.edu/access/content/group/07ed490d-8a37-4b14-0038-5440cdc7c767/Legislation%20Archive/2011-2012/1112_R13-Support%20Community%20Garden.pdf

Model Room in a Residence Hall

Responsible Party

John Elliott

Director, Energy And Sustainability
Facilities Management

"---" 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? :

No

A brief description of the model room :

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

Themed Housing

Responsible Party

John Elliott

Director, Energy And Sustainability
Facilities Management

"---" 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? :

No

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

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

The total number of residents in themed housing. :

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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

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

No

A brief description of the enterprise :

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

Sustainability Events

Responsible Party

John Elliott

Director, Energy And Sustainability
Facilities Management

"---" 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) :

The Alliance to Save Energy's Green Campus UC Merced hosts an Earth Week Speaker Series as part of the campus' Earth Week events. Past speakers have included campus and city leaders in sustainability initiatives.

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

Outdoors Program

Responsible Party

John Elliott

Director, Energy And Sustainability
Facilities Management

"---" 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 :

Located 90 miles from the entrance to Yosemite National Park, UC Merced is home to the Yosemite Leadership Program. The organizations mission states: "within the setting of two of America's most cherished landscapes at Yosemite and Sequoia National Parks and through the cooperative efforts of the organizations, the Yosemite Leadership Program seeks to realize opportunities for students at the University of California, Merced to gain practical leadership experiences through a variety of park based activities, offered by the members. Graduates of the Program will be recognized for their ability to lead and make ethical decisions that thoughtfully consider and balance opportunities and challenges, the communities in which they live and work, diversity, and the environment."

The campus' recreation center also leads outdoor adventure trips, such as day trips into Yosemite National Park, week long trips into other area parks, river rafting, and other activities.

The website URL where information about the program is available :

<http://yjp.ucmerced.edu/>

Themed Semester or Year

Responsible Party

John Elliott

Director, Energy And Sustainability
Facilities Management

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

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

Yes

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

Each year UC Merced selects a common read and schedules activities and presentations throughout the year that coincide with this book. For the 2009-10 academic year, the book was *The World Without Us*, by Alan Weisman. This book explores humanity's impact on the planet and some of the lectures/activities that were scheduled that year included: a showing and discussion of the documentary, *Flow*, about the world water crisis; an interactive lecture on sustainability by the campus' director of sustainability; and a module in the first year CORE curriculum about California's water wars.

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

The World Without Us, by Alan Weisman

The website URL where information about the theme is available :

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

John Elliott

Director, Energy And Sustainability
Facilities Management

Criteria

Part 1

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

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

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

Part 2

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

Part 3

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

"---" 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? :

"[I]ntegrated research and educational program[s] on ecological systems, energy, water and other natural resources, climate change and security threats associated with global change that will help build a sustainable environment"

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 :

Descriptions of all courses in the course catalog published by UCM's Registrar were reviewed for whether the course covers the topics outlined in the sustainability definition above (i.e. cover topics such as ecological systems, energy, water, natural resources, climate change, building a sustainable environment).

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

Yes

The website URL where the sustainability course inventory is posted :

<http://sustainability.ucmerced.edu/sites/sustainability/files/public/List%20of%20sustainability%20courses%20at%20UCM.pdf>

Sustainability-Focused Courses

Responsible Party

John Elliott

Director, Energy And Sustainability
Facilities Management

Criteria

Institution offers sustainability-focused academic courses.

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

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

The number of sustainability-focused courses offered :

12

The total number of courses offered :

1325

Number of years covered by the data :

One

A list of sustainability-focused courses offered :

(a Word copy of the list is provided)

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

A copy of the sustainability course inventory :

[List of sustainability-focused courses at UCM.docx](#)

Sustainability-Related Courses

Responsible Party

John Elliott

Director, Energy And Sustainability
Facilities Management

Criteria

Institution offers sustainability-related academic courses.

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

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

The number of sustainability-related courses offered :

67

The total number of courses offered :

1325

Number of years covered by the data :

One

A list of sustainability-related courses offered :

(a Word copy of the list is provided)

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

A copy of the sustainability course inventory :

List of sustainability-related courses at [UCM_1.docx](#)

Sustainability Courses by Department

Responsible Party

John Elliott

Director, Energy And Sustainability
Facilities Management

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 :

14

The total number of departments that offer courses :

44

A list of departments that offer sustainability courses :

Biological Sciences
Core
Earth Systems Science
Economics
Engineering
Environmental Engineering
Environmental Systems
Geography
History
Literature
Physics
Public Policy
Sociology
World Cultures and History

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

A copy of the sustainability course inventory :

Sustainability Learning Outcomes

Responsible Party

John Elliott

Director, Energy And Sustainability
Facilities Management

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 :

13

Total number of graduates :

401

A list of degree programs that have sustainability learning outcomes :

BioEngineering undergraduate major
Environmental Engineering undergraduate major
Earth Systems Science undergraduate major

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 :

http://registrar.ucmerced.edu/sites/registrar/files/public/documents/UC_Merced_General_Catalog_2011_2013.pdf

A copy of the sustainability course inventory :

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

Environmental Engineering:

ENVE graduates will be adept at applying critical thinking, problem solving, engineering principles and reasoning, the scientific method, and teamwork to solve environmental resource problems and to restore and sustain the global environment

Earth Systems Science (Environmental Science and Sustainability Minor):

Communicate to diverse stakeholders the major concepts and principles of Environmental Science and Sustainability, such as how elements of the Earth system are interconnected, the carrying capacity of natural systems, and how governmental policy and economics can both perpetuate and solve environmental problems.

Undergraduate Program in Sustainability

Responsible Party

John Elliott

Director, Energy And Sustainability
Facilities Management

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) :

Environmental Science and Sustainability (minor in School of Natural Sciences)

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

<http://www.ucmerced.edu/academics/undergraduate-minors>

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) :

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

Graduate Program in Sustainability

Responsible Party

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

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? :

No

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

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

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 :

CORE is a curricular requirement for all freshmen at UC Merced. A description of the program follows:

The World at Home—Planning for the Future in a Complex World

The CORE Course is future-oriented, striving to help students gain the intellectual tools, knowledge and insights they will need as informed citizens devising future solutions to real-life problems. The UC Merced CORE Course aims to understand the world at large as it is reflected in the world at home—California. By examining, for example, the local evidence of global problems, you will begin to grapple with the issues that will affect you personally and professionally.

CORE 001 will pose a set of questions as they are framed by the various domains of human knowledge known as the disciplines. In CORE 001, UC Merced faculty will introduce you to how their disciplines define the challenges faced by informed citizens of this new century.

For example:

- Can advances in technology mitigate the effects of burgeoning populations and resource depletion?
- How will a changing climate affect the future migration of human populations?
- How do citizens decide among conflicting ethical choices, each with a compelling claim?

Faculty from all three Schools will join together to show how such complex questions might best be probed through connecting the insights of their disciplines.

In the CORE Course, you will:

- work together in groups on joint projects or problems to build your leadership and teamwork abilities;
- learn to think analytically and communicate effectively in the context of problems affecting your lives and futures; and
- use quantitative methods as well as ethical judgment to make decisions and defend those decisions to your peers;

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

http://registrar.ucmerced.edu/sites/registrar/files/public/documents/UC_Merced_General_Catalog_2011_2013.pdf

Sustainability Literacy Assessment

Responsible Party

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

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? :

No

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

Responsible Party

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

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? :

No

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

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

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 :

An integrated research and educational program on ecological systems, energy, water and other natural resources, climate change and security threats associated with global change that will help build a sustainable environment.

This definition is provided on page 26 of UC Merced's Strategic Academic Vision document (which is online at

<http://academicpersonnel.ucmerced.edu/pdf/090421-strategic-academic-vision.pdf>

). In this document, UC Merced identifies Environmental Sustainability as its top Research Theme and defines "sustainability" as "the practice of providing for the needs of today without undermining the ability of future generations to provide for their own needs."

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

Yes

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

STARS Reporting Tool | AASHE | Sierra Magazine

UC Merced's Strategic Academic Vision document (which is online at

<http://academicpersonnel.ucmerced.edu/pdf/090421-strategic-academic-vision.pdf>

) explicitly identifies the campus' sustainability research activities and initiatives, as of 2009. These are the Sierra Nevada Research Institute (SNRI) and the UC Merced Energy Research Institute (UCMERI). It also outlines plans for a proposed School of Sustainable Design. In 2010, UC Merced was also designated as the headquarters of the University of California Advanced Solar Technologies Institute (UC Solar), a multi-campus, multidisciplinary research institute focused on solar energy technologies.

There are 3 URLs for the 3 relevant research entities. One is pasted below and the other 2 are:

<http://ucmeri.ucmerced.edu>

<http://ucsolar.org>

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://snri.ucmerced.edu/>

Faculty Engaged in Sustainability Research

Responsible Party

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

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 :

50

The total number of faculty members engaged in research :

130

Names and department affiliations of faculty engaged in sustainability research :

The research inventory for the three institutes engaged in sustainability research—the Sierra Nevada Research Institute (SNRI), the UC Merced Energy Research Institute (UCMERI) and the University of California Advanced Solar Technologies Institute (UC Solar)—are provided on their three respective websites, as follows:

<http://snri.ucmerced.edu/research>

(also pasted below)

<http://ucmeri.ucmerced.edu/research-focus-areas>

<http://ucsolar.org/research-projects>

A Word document that includes all the faculty is attached below for ease of viewing.

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

<http://snri.ucmerced.edu/research>

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

[UC Merced Sustainability Research Inventory.docx](#)

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

The website URL where information about sustainability research is available :

Departments Engaged in Sustainability Research

Responsible Party

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

Criteria

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

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

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

The total number of academic departments that conduct research :

30

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

18

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

UC Merced was designed as an interdisciplinary institution so we have no departments. Faculty may have appointments that cross the three schools (Natural Sciences, Engineering, and Social Sciences Humanities and Arts). Faculty are loosely organized by graduate groups and so-called Bylaw 55 groups (a University of California faculty term). Therefore it is not possible for us to determine this information by department. As the closest approximation, we have listed the undergraduate and graduate majors which have at least one faculty member teaching in them who also conducts sustainability research.

Undergraduate majors:

Applied Mathematics

Bioengineering

Biological Sciences

Chemistry

Computer Science & Engineering

Economics

Environmental Engineering

Earth Systems Sciences

Materials Science & Engineering

Mechanical Engineering

Physics

Graduate majors:

Applied Mathematics

STARS Reporting Tool | AASHE | Sierra Magazine

Biological Engineering & Small Scale Technologies
Electrical Engineering & Computer Science
Environmental Systems
Mechanical Engineering & Applied Mechanics
Physics & Chemistry
Quantitative & Systems Biology

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

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

Sustainability Research Incentives

Responsible Party

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

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 :

In 2009, the University of California, Merced Foundation received an anonymous donation of \$500,000 to establish the UC Merced Renewable Energy Scholarship/Fellowship Fund. This fund is used to award scholarships and/or fellowships to UC Merced undergraduates or graduate students who display an interest in the field of renewable energy. The undergraduate scholarship portion of this fund is administered by the UC Merced Sustainability Committee. To date, \$50,000 in scholarship money has been awarded to students displaying an interest in renewable energy research and education. The graduate fellowship portion of this fund is administered by the UC Merced Energy Research Institute (UCMERI) and the UC Merced Vice Chancellor for Research. To date, \$150,000 in fellowship money has been awarded to graduate students working on renewable energy projects.

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 :

It is the mission of the three UC Merced institutes engaged in sustainability research—the Sierra Nevada Research Institute (SNRI), the UC Merced Energy Research Institute (UCMERI) and the University of California Advanced Solar Technologies Institute (UC Solar)—to encourage multidisciplinary research in sustainability. Faculty at these institutes cooperate on collaborative research proposals and have access to research support that is not available to unaffiliated faculty members. This includes student support, as well as funds for equipment and materials to support research projects.

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

Interdisciplinary Research in Tenure and Promotion

Responsible Party

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

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 :

Interdisciplinary, transdisciplinary, and multidisciplinary research are implicitly recognized during faculty promotion and tenure decisions due to the very nature of the campus' research infrastructure. Graduate groups and programs are strategically interdisciplinary in nature so that they support and reinforce the faculty's cross-disciplinary scholarship. Additionally, most of UC Merced's research institutes, centers, and laboratories were established to house multidisciplinary projects. As research productivity is a principal criterion for faculty promotion and advancement, the campus' strong and practical support of interdisciplinary research effectively supports the advancement of faculty whose scholarship follows suit.

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

<http://www.ucmerced.edu/research>

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

John Elliott

Director, Energy And Sustainability
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
-

Submission Note:

UC Merced is pursuing LEED for Existing Buildings certification for all new buildings on campus. This is every LEED NC rating will be followed with LEED EBOM certification. A LEED EBOM certification has not yet been completed.

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

Total building space that meets "Eligible Buildings Criteria" :

25747 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 :

0 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://sustainability.ucmerced.edu/node/38>

An electronic copy of the guidelines or policies :

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

N/A

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

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

John Elliott

Director, Energy And Sustainability
Facilities Management

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" :

1103542 *Square Feet*

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

0 *Square Feet*

New building space that is LEED Certified :

0 *Square Feet*

New building space that is LEED Silver certified :

161102 *Square Feet*

New building space that is LEED Gold certified :

726800 *Square Feet*

New building space that is LEED Platinum certified :

0 Square Feet

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

<http://sustainability.ucmerced.edu/node/38>

An electronic copy of the guidelines or policies :

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

2002, 03/2009

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

All new permanent buildings on campus have been required to be minimum LEED Silver since 2002 and, as of March 2009, minimum LEED Gold. Since 2005, the campus has an on-campus LEED coordinate working with every building project to ensure compliance, gather documentation, and submit projects for review by the UCGBC. The 215,640 that is not listed as certified has been submitted for LEED NC and is pending approval at Gold or Platinum levels.

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 :

Library Information Technology Center
Classroom Office Building
Science and Engineering 1
Sierra Terraces
Lakeview Dining (Valley Terraces)
Gallo Recreation and Wellness Center
Central Plant and Telecommunications
Facilities Support Building

Pending:

The Summits
Early Childhood and Education Center
Dining Expansion
Social Sciences and Management

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

LEED Certification Penning Pending:

The Summits

Early Childhood and Education Center

Dining Expansion

Social Sciences and Management

Responsible Party

John Elliott

Director, Energy And Sustainability
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 :

248339 *Square Feet*

Total occupied building space :

1005994 *Square Feet*

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

For all LEED projects Version 2.2 or later, a building survey is conducted using an online survey instrument developed by the Center for the Built Environment. Follow-up activities are coordinated as part of the building commissioning process. Subsequently, air quality complaints are handled through the Facilities Maintenance Help Desk.

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

John Elliott

Director, Energy And Sustainability
Facilities Management

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.

Submission Note:

UC Merced reports to the ACUPCC. Scope 3 emissions reports are available at <http://rs.acupcc.org/>

"---" 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? :

Yes

If yes, please specify :

Flights associated with University business.

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

John Elliott

Director, Energy And Sustainability
Facilities Management

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.

Submission Note:

Baseline data is provided for 2006 since the campus did not open until fall 2005. The performance year is 2010.

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

Scope 1 and 2 gross GHG emissions, 2005 :

7908 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 :

542

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

968

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

Scope 1 and 2 gross GHG emissions, performance year :

8145 *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 :

Jan 1, 2010 - Dec. 31, 2010

On-campus residents, performance year :

1386

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

3294

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

390

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

2006

Air Travel Emissions

Responsible Party

John Elliott

Director, Energy And Sustainability
Facilities Management

"---" 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 :

UC Merced provides information to the community about greenhouse gas emissions from flights. UC Merced uses the UC system's Connexus on-line booking travel program that shows greenhouse gas emissions associated with flight choices.

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

Local Offsets Program

Responsible Party

John Elliott

Director, Energy And Sustainability
Facilities Management

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

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

Yes

A brief description of the program :

UC Merced Students participate in a UC Merced Energy Service Corps that weatherizes homes in the neighboring community. The emissions reductions are not reported or formalized specifically as emissions reductions credits.

The website URL where information about the program is available :

<http://energyservicecorps.org/merced>

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

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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..

"---" 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) :

10

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

UC Merced uses the UC systemwide Strategic Sourcing program to purchase sustainable food and beverages.

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

Responsible Party

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

"---" 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?

:

No

A brief description of the trayless dining program :

List the year the program was started :

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

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

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

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

The website URL where information about the program is available :

Responsible Party

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

"---" 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 options are offered for all meals. The chef has developed 12 different recipes using tofu and is using quinoa and other grains and beans alternately with the tofu recipes. Students are encouraged to suggest vegetarian and vegan recipes to the chef.

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

<http://dining.ucmerced.edu/>

Responsible Party

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

"---" 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 :

No oils with trans-fats are used in cooking. One of the main indicators used in decision-making for purchasing prepared foods for sale in dining is the presence of trans-fat-free oils. Trans-fat oils are avoided as much as possible in all foods served in dining.

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

<http://dining.ucmerced.edu/>

Guidelines for Franchisees

Responsible Party

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

"---" 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 :

Since UC Merced is a young campus (opened in 2005) we do not yet have any franchisees on campus. However, when the time comes to consider allowing them on campus, they will be expected to meet the same sustainability guidelines as UC Merced Dining.

The website URL where information about the guidelines is available :

Pre-Consumer Food Waste Composting

Responsible Party

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

"---" 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 :

Five gallon buckets are provided at all prep stations in dining to collect compost and staff are trained to place all compostable materials in these receptacles. These buckets are then delivered to the Modesto Compost Facility where they create and distribute composted material.

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

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

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

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

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

PostConsumer Food Waste Composting

Responsible Party

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

"---" 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 :

In the main dining hall, students deliver their trays to a station and student workers remove items from the trays. These employees are trained to sort the tray items into recycling and compost. In the cafe dining area, 3-part bins are color coded for recycling, landfill and compost. The bins were designed and built by a local company with input from campus stakeholders. Compost bins are provided at all large-group campus catered events. This compostable material is then delivered to the Modesto Compost Facility where they create and distribute composted material.

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

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

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

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

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

Food Donation

Responsible Party

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

"---" 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 :

At the end of each semester non-perishable food items not used by dining is donated to a local homeless shelter.

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

Recycled Content Napkins

Responsible Party

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

"---" 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 :

Campus procurement has recycled content requirements for all campus paper products (minimum 30% post-consumer, but many items are 100% post-consumer). Napkins used in dining meet this requirement.

The website URL where information about the purchasing is available :

<http://sustainability.ucmerced.edu/node/29>

Reusable Container Discounts

Responsible Party

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

"---" 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 :

Dining provides a \$.25 discount when reusable mugs are to purchase coffee at both the cafe and main dining facility.

Amount of the discount offered for using reusable mugs :

0.25

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

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

"---" 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? :

No

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

UC Merced is currently exploring, and planning to implement, a reusable to-go container process by which diners would pay a \$5 deposit to use a reusable container and then return it to a vending machine to be refunded their deposit. We would be the first campus in California to partner with the company that provides these machines. The process will be in place no later than Spring 2013, but plans are to implement in Fall 2012.

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

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

John Elliott

Director, Energy And Sustainability
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

Submission Note:

Baseline data is provided for FY2006-2007 since the campus did not open until fall 2005. The performance year is FY2010-2011.

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

Total building energy consumption, 2005 :

106832 MMBtu

Building space, 2005 :

883413 Gross Square Feet

Total building energy consumption, performance year :

120150 MMBtu

Building space, performance year :

1195922 Gross Square Feet

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

FY 2010 - 2011

Responsible Party

John Elliott

Director, Energy And Sustainability
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

Submission Note:

The performance year is FY2010-2011.

"---" 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 :

7943 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 :

0 MMBtu

Total energy consumed during the performance year :

120150 MMBtu

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

A 1 MW solar photovoltaic array began operation in November 2009.

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

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

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

A brief description of cogeneration technologies deployed :

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

<http://www.ucmerced.edu/news/uc-merced-unveils-new-solar-power-system>

Timers for Temperature Control

Responsible Party

John Elliott

Director, Energy And Sustainability
Facilities Management

"---" 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 :

Every permanent building on campus used schedule to regulate temperatures and ventilation rates based on occupancy hours. In a weekly basis, a student worker reviews campus schedules for events and classes and schedule individual building areas to come for any event that outside of after weekday scheduled hours.

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

The website URL where information about the practice is available :

Lighting Sensors

Responsible Party

John Elliott

Director, Energy And Sustainability
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 :

Every permanent building on campus uses motion, infrared, and/or light sensors to reduce energy use. Typically office building use dual-sensor occupancy sensors, common areas are controlled by schedule, and exterior lighting is controlled by a centralized astronomic clock.

The percentage of building space with lighting sensors :

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

Responsible Party

John Elliott

Director, Energy And Sustainability
Facilities Management

"---" 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 :

The campus installed LED lighting for a 3.5 acre parking lot on campus in 2012.

The percentage of building space with LED lighting :

The percentage of parking deck space with LED lighting :

The percentage of outdoor space that uses LED lighting :

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

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

<http://www.mercedsunstar.com/2012/02/02/2215992/energy-savings-shines-bright-at.html>

Vending Machine Sensors

Responsible Party

John Elliott

Director, Energy And Sustainability

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? :

No

A brief description of the technology used :

The percentage of vending machines with sensors :

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

Energy Management System

Responsible Party

John Elliott

Director, Energy And Sustainability
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 :

All campus mechanical, electrical, lighting are controlled and monitored using an Automated WebCTRL energy management control system. All campus electricity and gas use is further tracked using a custom Energy Performance Platform.

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

100

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

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

Energy Metering

Responsible Party

John Elliott

Director, Energy And Sustainability
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 :

The campus meters all energy consumption in every building on campus at the building level, the end-use level (HVAC, lighting, plug, other), and at the system level (ventilation, pump).

The percentage of building space with energy metering :

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

Integrated Pest Management

Responsible Party

John Elliott

Director, Energy And Sustainability
Facilities Management

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 :

45 Acres

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

45 Acres

A brief description of the IPM plan(s) :

The University IPM Plan includes the following components:

- 1) Prevention for animal and plant pests-Limiting food, shelter and water sources, implementing proper plant cultural practices.
- 2) Monitoring-Maintain a log which contains data of pest populations observed at specific campus locations.
Pest identification-Properly identify the target pest in order to provide best control methods.
- 3) Action Thresholds-Set action thresholds to determine tolerable damage and best control methods.
- 4) Control/Management methods-Utilize control methods which include; cultural, mechanical, physical, biological and chemical means.
When chemical control methods are used, the least toxic material shall be chosen.

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

Native Plants

Responsible Party

John Elliott

Director, Energy And Sustainability
Facilities Management

"---" 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 University utilizes both formal and naturalistic landscape designs on campus. Priority is given to the use of indigenous plant species and regional native plant species appropriate to the site, climatic and design conditions.

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

Wildlife Habitat

Responsible Party

John Elliott

Director, Energy And Sustainability
Facilities Management

"---" 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 :

The campus has placed more than 25,000 acres into permanent conservation and has dedicated 1,307 acres directly adjacent to campus to open space, conservation, scientific research, and related uses.

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

<http://ppdc.ucmerced.edu/sustainability-and-environment/conservation-strategy>

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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

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

No

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

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

Snow and Ice Removal

Responsible Party

John Elliott

Director, Energy And Sustainability
Facilities Management

"---" 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? :

No

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

The campus does not have snow and ice.

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

Landscape Waste Composting

Responsible Party

John Elliott

Director, Energy And Sustainability

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 :

All waste from grounds keeping, including grass trimmings is collected by a third party and composted.

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

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

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

Nora Cary
Research Development Services
Office of Research

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.universityofcalifornia.edu/sustainability/documents/policy_sustain_prac.pdf

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

The University Strategic Sourcing Contracts for computer products require manufacturers/suppliers to provide sustainable products and services that are in accordance with and/or exceed the University policy requirements.

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 :

1123582 *US/Canadian \$*

Expenditures on EPEAT Silver desktop and laptop computers and monitors :

2790 *US/Canadian \$*

Total expenditures on desktop and laptop computers and monitors :

1160237 *US/Canadian \$*

Cleaning Products Purchasing

Responsible Party

Nora Cary
Research Development Services
Office of Research

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://www.universityofcalifornia.edu/sustainability/documents/policy_sustain_prac.pdf

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

The University Strategic Sourcing Contracts for cleaning products require suppliers to provide sustainable products and services that are in accordance with and/or exceed the University policy requirements.

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

Yes

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

63883.84 US/Canadian \$

Total expenditures on cleaning products :

85858.02 *US/Canadian \$*

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

[Cleaning Contracts.pdf](#)

Office Paper Purchasing

Responsible Party

Nora Cary
Research Development Services
Office of Research

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://www.universityofcalifornia.edu/sustainability/documents/policy_sustain_prac.pdf

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

The University Strategic Sourcing Contracts for office paper require suppliers to provide sustainable products and services that are in accordance with and/or exceed the University policy requirements. 30% or higher post-consumer recycled paper has been a campus standard since 2004.

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 :

57.75 US/Canadian \$

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

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

34286.42 US/Canadian \$

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

2518.02 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 :

3514.71 US/Canadian \$

Total expenditures on office paper :

46307.86 US/Canadian \$

Vendor Code of Conduct

Responsible Party

Nora Cary
Research Development Services
Office of Research

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/1-05-00code.pdf>

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

[Trademark Licensee Code.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 :

A supplier has had their trademark license suspended due to a violation of the vendor code of conduct. Vendor Environmental and Social responsibility is an evaluated criterion in campus contract awards. In addition, the following clause is added to all Campus Purchasing contracts/purchase orders: "Environmental Sustainability:

Whenever possible, contractor should make every reasonable effort to use environmentally preferable products, methods, equipment, packaging and transportation and is responsible for proper disposal of materials in an environmentally responsible manner."

Historically Underutilized Businesses

Responsible Party

Nora Cary
Research Development Services
Office of Research

"---" 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 :

Reference BUS-43 Policy link:

<http://www.ucop.edu/ucophome/policies/bfb/bus43p5.pdf>

Supplier Diversity and Federal Reporting

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

<http://www.ucop.edu/ucophome/policies/bfb/bus43p5.pdf>

Responsible Party

Nora Cary
Research Development Services
Office of Research

"---" 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 :

Yes, though there is not a dollar amount or percentage preference given, we limit our sourcing for select commodities to local sources only. Printing is an example of that. We also host a “Building Local Partnerships” event (this is our fourth year) as an outreach and education tool (for ourselves and other local agencies) to foster business relationship opportunities in the local community.

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

<http://sustainability.ucmerced.edu/node/29>

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

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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.

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

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

3

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

0

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

3

100 percent electric vehicles in the institution's fleet :

32

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

0

Hydrogen fueled vehicles in the institution's fleet :

0

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

0

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

3

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

122

Student Commute Modal Split

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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.

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

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

79

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 :

21

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 :

30

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

9

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

39

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://taps.ucmerced.edu/alternative-transportation-0>

Employee Commute Modal Split

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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.

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

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

29

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 :

71

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 :

3

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

18

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

8

The percentage (0-100) of institution's employees who use a motorcycle, scooter, or moped as their primary method of transportation :

0

The website URL where information about alternative transportation is available :

<http://taps.ucmerced.edu/alternative-transportation-0>

Bicycle Sharing

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

"---" 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? :

No

A brief description of the program, including an indication of its scope (e.g., the number of bicycles the program makes available, participation levels, etc.) :

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

Facilities for Bicyclists

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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

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

Yes

A brief description of the facilities :

Within the founding core of the campus, Science and Engineering 1 provides shower facilities for bicyclists and Housing 3 created a secure bike shed for bicyclists.

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

<http://ppdc.ucmerced.edu/node/62>

Bicycle and Pedestrian Plan

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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

Has the institution developed a bicycle plan? :

Yes

A brief description of the plan :

UC Merced's relatively flat topography has enabled the campus to develop a comprehensive bicycle network plan for the campus. As demonstrated by the 2009 Long Range Development Plan, Type 1, Type 2 and Type 3 bicycle routes penetrate each of the student neighborhoods and the academic core.

To facilitate a culture of bicycle transit, the plan contemplates the incorporation of amenities such as bike lockers (in addition to bike racks) at new buildings, as well as shower facilities in all new buildings. To ease interaction with other modes of transportation, the plan provides that campus transit and shuttle vehicles will be designed to accommodate the transport of bicycles.

The website URL where information about the plan is available :

<http://ppdc.ucmerced.edu/sites/ppdc/files/public/documents/Bicycles.pdf>

Mass Transit Programs

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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

Does the institution offer free or reduced price transit passes and/or operate a free campus shuttle? :

Yes

A brief description of the program(s), (s), including availability, participation levels, and specifics about discounts or subsidies offered (including pre-tax options) :

UC Merced's CatTracks is a free bus transportation service for all UC Merced students, faculty and staff. To use the system, eligible rides use their "CatCard" and present it to the CatTracks driver to board the bus.

The system has six different routes that connect the campus to Amtrak, downtown Merced, retail and housing locations.

The website URL where information about the program is available :

<http://taps.ucmerced.edu/node/367>

Condensed Work Week

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

"---" 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. :

No

A brief description of the program :

The website URL where information about the program is available :

Telecommuting

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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

Does the institution offer a telecommute program for employees? :

Yes

A brief description of the program :

UC Merced offers the option for employees to telecommute.

Telecommuting arrangements at UC Merced are recognized as an opportunity to promote productivity and employee satisfaction and contribute to the overall functioning of the department. UC Merced's approach includes guidelines to help departmental managers and supervisors develop employee telecommuting arrangements that are equitable, clearly understood, and to the benefit of the department.

The website URL where information about the program is available :

<http://policies.ucmerced.edu/files/media/TELECOMMUTING%20POLICY.pdf>

Carpool/Vanpool Matching

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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

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

Yes

A brief description of the program :

UC Merced's operates a carpool matching program through ZimRide.

ZimRide combines social networks and a proprietary route-matching algorithm to make it easy for car owners to share the seats in their car or for passengers to find a ride.

The website URL where information about the program is available :

<http://taps.ucmerced.edu/carpool-program>

Cash-out of Parking

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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

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

:

No

A brief description of the program :

The website URL where information about the program is available :

Carpool Discount

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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

Does the institution offer reduced parking fees for car and van poolers? :

No

A brief description of the program :

The website URL where information about the program is available :

Local Housing

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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

Does the institution have incentives or programs to encourage employees to live close to campus? :

No

A brief description of the incentives or programs :

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

Prohibiting Idling

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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

Has the institution adopted a policy prohibiting idling? :

No

A brief description of the policy :

The website URL where information about the policy is available :

Car Sharing

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

"---" 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 Merced operates a carsharing program through Hertz On-Demand. The vehicles are conveniently located within the campus core for use by faculty, students and staff.

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

<http://taps.ucmerced.edu/hertz-demand>

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

John Elliott

Director, Energy And Sustainability
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:

Baseline data is provided for FY2006-2007 since the campus did not open until fall 2005. The performance year is FY2010-2011.

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

Weight of materials recycled, 2005 baseline year :

156 Tons

Weight of materials composted, 2005 baseline year :

0 Tons

Weight of materials disposed as garbage, 2005 baseline year :

178 Tons

Weight of materials recycled, performance year :

497 Tons

Weight of materials composted, performance year :

21 Tons

Weight of materials disposed as garbage, performance year :

549 Tons

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

FY2010-2011

On-campus residents, 2005 :

542

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

968

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

87

On-campus residents, performance year :

1386

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

3294

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

390

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

2006-2007 FY

Indication of whether institution has a stated commitment to waste-reduction goals, such as zero waste :

Yes

A brief description of the plan of action to achieve waste reduction goals :

The campus has a target of zero waste by 2020. This will be accomplished through education and informed purchasing decisions.

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

Waste Diversion

Responsible Party

John Elliott

Director, Energy And Sustainability
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*.

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

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

518 Tons

Materials disposed in a solid waste landfill or incinerator :

549 Tons

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

Virtually all waste bins on campus are paired with blue recycling bins. All yard waste is composted. There are uniform recycling signs throughout the campus. UC Merced Recycling maintains an active website and facebook page.

Construction and Demolition Waste Diversion

Responsible Party

John Elliott

Director, Energy And Sustainability
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.

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

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

318 Tons

Amount of construction and demolition materials landfilled or incinerated :

39 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 :

All new building projects target a minimum construction diversion of 95%. This is accomplished through an outside vendor.

Electronic Waste Recycling Program

Responsible Party

John Elliott

Director, Energy And Sustainability
Facilities 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 :

UC Merced only uses E-Steward certified recyclers.

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

All electronic waste is collected and inventoried by purchasing. Full pallets of electronic waste are picked by a e-steward certified recycler.

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

Some items are collected by the recycling department throughout the year. At the end of the year we have a weeklong move out event where electronic waste and other recyclable items are collected.

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

<http://recycle.ucmerced.edu/electronics>

Hazardous Waste Management

Responsible Party

John Elliott

Director, Energy And Sustainability
Facilities Management

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.

"---" 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 :

Hazardous waste reduction:

- Discussed in lab safety training (minimize waste, don't mix waste streams unnecessarily, substitute where possible).
- Oils are recycled (vacuum pump, compressor, etc) through Safety Kleen.
- EHS uses "green" scintillation fluid for radiation wipe tests done quarterly, but we still send it out hazardous waste.
- Unneeded reagent chemicals are redistributed to different labs (usually from the research labs to the teaching labs), or are used by EHS for treatment of other wastes.
- Some wastes are treated (liquid biohazards are reacted with bleach and sent to the sewer, some acids or bases are neutralized then sent to the sewer, wastes such as gloves and test tubes that are not hazardous are placed in the trash, some liquid wastes can be precipitated and solids collected for disposal – liquids going to sewer, water can be evaporated to concentrate waste) Please be careful what you publish here – some of these treatment options require a permit, which we don't have because we aren't currently doing them (such as the evaporation).
- Radioactive waste is decayed on site when possible, then thrown in the regular trash when no longer radioactive. (This is only possible for short half-life elements such as P-32 and I-125. We allow them to degrade through 10 half lives, then survey them for radiation. If they have reached background levels, they go in the regular trash.
- Planned project to recycle solvents (again, we may need a permit)
- Containers not full are combined with other compatible waste
- Trying to develop a program to autoclave our non-pathology biohazard waste on campus, it would then be placed in the trash – however the disposal company wants it separated from the regular trash. Could we place yet another bin outside the science building??
- Education regarding what wastes are hazardous, what are not

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

Non-radioactive chemical hazardous waste is sent to Clean Harbors.

Radioactive waste is sent to Thomas Grey Associates.

Biohazard waste is sent to Stericycle.

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

<http://ehs.ucmerced.edu/>

Materials Exchange

Responsible Party

John Elliott

Director, Energy And Sustainability
Facilities 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 :

Once a month there is a office supplies exchange event where unused office supplies are dropped off and departments can pick up any items they need.

The website URL where information about the program is available :

Limiting Printing

Responsible Party

John Elliott

Director, Energy And Sustainability
Facilities Management

"---" 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 :

At UC Merced there is no such thing as free printing. All students are charged \$0.04 to print in black and white and \$0.08 to print in color on campus. This is true for all printing locations on campus.

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

Responsible Party

John Elliott

Director, Energy And Sustainability
Facilities Management

"---" 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 :

Currently, UC Merced still prints course catalogs for incoming freshmen only. This institution does not print course schedules or directories for any of its students, staff or faculty. Those items can be found on the UC Merced website.

The website URL where information about the practice is available :

Chemical Reuse Inventory

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

"---" 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? :

No

A brief description of the program :

The website URL where information about the practice is available :

Move-In Waste Reduction

Responsible Party

John Elliott

Director, Energy And Sustainability
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 :

Last year, the campus established an annual move in event. The propose of the event was to ensure that the different waste streams remained clean. We had volunteers stationed at each of the location where we have trash, recycling and cardboard receptacles. The volunteers were trained on what goes in each stream ahead of time. Therefore, the day of the event the residents and parents would bring their trash to the various locations and the volunteers would sort it.

The website URL where information about the program is available :

Move-Out Waste Reduction

Responsible Party

John Elliott

Director, Energy And Sustainability

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 :

We hold an event called the Bobcat Recycling Fair each year. The Bobcat Recycling Fair is a collection event to gather items that residents no longer need. Last year, we collected clothing, e-waste, batteries, cell phones, school supplies and appliances. In addition, we had a redemption center on campus. Residents were allowed to bring their bottles and cans that they had saved throughout the semester and get CRV value for them.

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

John Elliott

Director, Energy And Sustainability
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.

Submission Note:

Baseline data is provided for FY2006-2007 since the campus did not open until fall 2005. The performance year is FY2010-2011.

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

Water consumption, 2005 baseline year :

51289592 Gallons

Water consumption, performance year :

68398688 Gallons

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

FY 2010-2011

On-campus residents, 2005 :

398

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

1357

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

86

On-campus residents, performance year :

1602

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

STARS Reporting Tool | AASHE | Sierra Magazine

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

411

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

2006-2007 FY

Indication of whether institution has a stated commitment to water use reduction goals :

A brief description of the plan of action to achieve water use reduction goals :

UC Merced continues to deploy low water equipment, apply low water use landscaping and use water smart irrigation techniques.

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

Stormwater Management

Responsible Party

John Elliott

Director, Energy And Sustainability
Facilities Management

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 :

The campus has established LEED credits Stormwater Management, Rate and Quantity Stormwater Management, Treatment as campus-wide credits. These are enforced through building project storm water management plans.

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

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 campus has a 3.6 acre parking lot (Lake Lot II)that included porous parking areas and light colored surfaces to eliminate a heat island effect. The system uses a Geoweb system replaces asphalt parking areas with a porous gravel matrix. The porous surface covers approximately 70% of the lot surface.

Does the institution have retention ponds? :

Yes

A brief description of the institution's retention ponds :

The campus has an integrated storm water management plan that collects all campus runoff in two retention ponds, Little Lake and North Pond.

Does the institution have stone swales? :

Yes

A brief description of the institution's stone swales :

The campus uses a stone swale system in Lake Lot II and at one building (Social Science and Management). The river rock stone swales slow water runoff and allow solids separate in order to increase the quality of runoff.

Does the institution have vegetated swales? :

Yes

A brief description of the institution's vegetated swales :

The campus uses vegetated swales for the storm water approach to the campus largest retention pond Little Lake, located in the Valley Terraces housing area. These swales slow water runoff and allow solids separate in order to increase the quality of runoff.

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

Yes

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

The campus also uses hydrodynamic separators before storm water enters the two campus retention ponds Little Lake and North Pond. The hydrodynamic separators use centrifugal force of flowing water to remove solids before the water enters the retention pond.

Waterless Urinals

Responsible Party

John Elliott

Director, Energy And Sustainability
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 :

Most campus buildings feature all waterless urinals.

The website URL where information about the technology is available :

Building Water Metering

Responsible Party

John Elliott

Director, Energy And Sustainability
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 :

All campus buildings have potable water metering data. These data are presented to Facilities Management staff through a third-party system called Aquacue.

The percentage of building space with water metering :

The website URL where information about the practice is available :

Non-Potable Water Usage

Responsible Party

John Elliott

Director, Energy And Sustainability
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? :

No

A brief description of the source of non-potable water and how it is used :

The campus does not use non-potable water.

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

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

The percentage of water used in utility plants from recovered, reclaimed or untreated sources :

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

Responsible Party

John Elliott

Director, Energy And Sustainability
Facilities Management

"---" 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 :

Yes, limited water consumption is a factor in landscape selection. The campus has established Water Efficient Landscaping, Reduce by 50% as a campus wide LEED credit.

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

<http://sustainability.ucmerced.edu/sites/sustainability/files/public/documents/scorecard-leed-master-06-09.pdf>

Weather-Informed Irrigation

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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

Does the institution use weather data or weather sensors to automatically adjust irrigation practices? :

No

A brief description of how weather data or sensors are used :

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

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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 :

The mission of The Chancellor's Advisory Committee on Sustainability (CACES) is to ensure leadership in sustainability through teaching, research and public service. CACES advises the Chancellor on all matters of sustainability, development, management and operation of the campus and its facilities, and to advocate for programs and initiatives that continuously improve campus performance on matters of sustainability. In addition, the committee is formally part of the University's design approval process.

Members of the committee, including affiliations :

James Genes, Special Assistant to the Vice Chancellor

John Elliott, Director of Energy

Gina Johnson, Institutional Planning

Richard Cummings, Physical Planning

Mark Maxwell, Physical Planning

Jason Souza, Dining

Karin Groth, Transportation

Cindi Deegan, Procurement

Jim Kessler, Human Resources

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

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

STARS Reporting Tool | AASHE | Sierra Magazine

Does the institution have a sustainability office? :

No

A brief description of the sustainability office :

The number of people employed in the sustainability office :

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

Does the institution have a sustainability coordinator? :

Yes

Sustainability coordinator's name :

James Genes

Sustainability coordinator's position title :

Special Assistant to the Vice Chancellor for Administrator

A brief description of the sustainability coordinator's position :

The sustainability coordinator is responsible for coordinating, communicating and overseeing the activities of the Sustainability Committee. In the coordinator's work, cross-interaction with students, faculty and staff.

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

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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.

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

Year the strategic plan or equivalent was completed or adopted :

2009

Does the institution's strategic plan or equivalent guiding document include the environmental dimensions of sustainability at a high level? :

Yes

A brief description of how the strategic plan or amendment addresses the environmental dimensions of sustainability :

The first theme of UC Merced's Strategic Academic Vision is identified as "Environmental Sustainability" (Strategic Academic Vision, Pg. 26). Its goal is to build an integrated research and educational program on ecological systems, energy, water and other natural resources, climate change and security threats associated with global change that will help build a sustainable environment. This will be accomplished by the continued development of both UC Merced's Sierra Nevada Research Institute to study the impact of climate change on snowpack and UC Solar, a UC Merced-led renewable energy research consortium.

Environmental Sustainability is key element of UC Merced's strategic academic vision. In conjunction with the campus long range development plan (LRDP), the long-range enrollment plan (LREP) and individual school plans, the academic vision acts as an ongoing guide to major investment and resource decisions.

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 Merced is located in California's San Joaquin Valley, a rapidly growing and ethnically diverse region. From democratic participation to community engagement, the San Joaquin Valley presents a microcosm of many national and international social issues. UC Merced's Strategic Academic Vision envisions the region as a living laboratory through which research and educational programs can impact the nation and the world while serving the region.

UC Merced's Strategic Academic Vision addresses social sustainability by providing an educational, democratic and community building framework for higher education. The research theme "Community, Culture and Identity" (Pg. 29, Strategic Academic Vision) brings together a wide range of disciplines in the humanities and interpretive social sciences to engage diverse communities in California's San Joaquin Valley.

This identified research theme will be implemented by an academic and institutional focus on student recruitment from within the region, conflict resolution, cultural exchange and the arts.

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 :

UC Merced is located in California's agricultural San Joaquin Valley. In much the San Joaquin Valley, unemployment rates historically exceed state averages and the population has lower levels of college attainment and higher levels of child poverty.

UC Merced's Strategic Academic Vision states that "the San Joaquin Valley's narrowly focused economic base and a lack of significant research investment are tied to a relatively shallow economic platform of agriculture in the Valley. Current per capita research investment in the counties of the region is more than an order of magnitude less than that in coastal California counties, creating a deep disparity in basic research that can be parlayed into investment in the region's future."

The Strategic Academic Vision's approach is to apply community outreach programs to prepare local young people for college, intensify research dollar activity in the region, and apply research five ("Dynamics of Social and Economic Progress", pg. 31) to explore the "effect of institutional structures on economic outcomes, the efficiency of markets, the connection between citizen preferences and governmental actions, and numerous forms of inequality."

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

http://strategicplanning.ucmerced.edu/docs/UCM_Academic_Vision_0409.pdf

Physical Campus Plan

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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 :

As a new campus, UC Merced Long Range Development Plan had the once in a generation opportunity to hardwire environmental, social and economic sustainability into the fabric of its physical plan for development

The plan was "phased" over a number of years, includes a commitment to be zero net energy, zero waste and zero net emissions and includes the following features:

- **Pedestrian friendly:** for reduce emissions and increase social interaction: The core of UC Merced plan is compact and designed to encourage walking and biking. Many walkways are shaded with building overhangs to shelter pedestrians from the hot California sun. Service roads are located at the perimeter to minimize vehicles in the campus core.
- **Nearby housing and transportation :** The campus plan houses 50% of student body on campus – thus reducing the need for cars. An adjacent University Community includes mixed uses: housing, a research and development "Gateway" district, a performing arts center, and commercial businesses. Mixed-use "Main Streets" bring diverse activities into the heart of the campus. The plan includes a regional, multimodal transit center all within a 10 minute walk to academic functions.
- **Low-energy design :** The siting and orientation of each building in the plan consider energy impact. For example, many buildings are oriented east to west to allow maximum production from rooftop solar energy systems. Distributed energy centers and a 2-million gallon central chilled water storage tank allow buildings to cool using electricity produced during off-peak hours.

The year the physical campus plan was developed or adopted :

2009

The website URL where the physical campus plan is available :

<http://ppdc.ucmerced.edu/>

Sustainability Plan

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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.

"---" 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 :

Staff, faculty, staff and community were involved in developing UC Merced's plan. At the outset, UC Merced created mission and vision statements to capture the campus' aspirations. This resulted in a plan that focuses on twelve specific stakeholder areas in which to focus our efforts: Energy, Green Building, Water, Food, Waste and Recycling, Procurement, Transportation, Human Resources, Outreach, Conservation Lands, Planning, and the University community.

It is worth noting that UC Merced's approach to its meeting the goals of its sustainability plan has come to resemble a small start-up company, rather than a traditional university standing committee. Specifically, the stakeholders are identified as having line or staff functions. Line stakeholders are responsible for single, defined areas, such as energy, food or waste. The staff stakeholders are responsible for functions supporting all of the line stakeholders.

A brief description of the plan's measurable goals :

The plan's goals are divided by topic area: 1. Energy: Zero net energy and climate neutrality by 2020

2. Green Building: Minimum LEED Gold for new buildings

3. Water: Create a model 21st century sustainable water-management plan

4. Food: Educate dining customers to enhance sustainability of food resources and minimize waste
5. Waste and Recycling: Zero waste by 2020
6. Procurement: Drive the market for best practices in sustainable procurement
7. Transportation: Reduce carbon footprint of UC Merced Transportation, Parking and Fleet Services
8. Human Resources: Make sustainability part of everyone's job
9. Conservation Lands: Integrate education, research, conservation and recreation to promote sustainability
10. Outreach: Raise visibility and understanding of sustainability within and beyond UC Merced's campus community
11. University Community: Adhere to sustainability principles in the development of the University Community
12. Planning: Ensure sustainability is integrated into all stages of campus development

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

The plan is measured against quarterly milestones in twelve specific areas. For accountability purposes, a committee member serves as stakeholder for a particular topic area. Each area has an overarching sustainability goal followed by two to three highest-priority objectives required to achieve the goal. To track programs, each stakeholder commits to meeting a set of quarterly milestones necessary to achieve the sustainability objectives

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

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

The year the plan was developed or last updated :

2010

Climate Action Plan

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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*.

"---" 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 :

UC Merced's Climate Action Plan has two long term goals: (1) To be a zero net energy campus with respect to campus energy use by 2020 and (2) to be a climate neutral University by 2020, with respect of on-campus and off-campus greenhouse gas emissions

As a new campus, UC Merced is in the unique position of being able to pursuing these goals with a heavy emphasis on energy efficiency in new building design, implemented through "benchmark-based" building energy performance targets. Thus, UC Merced's basic approach to mitigating climate effects is to:

1. Save as much energy as is economically feasible
2. Generate from renewable sources as much energy as is consumed annually (zero net energy)
3. Offset remaining greenhouse gas emissions, prioritizing on-site and regional offsets (climate neutrality)

The campus believes this provides a national and global model higher education institutions experiencing growth. The plan was adopted by the University in March 2009.

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

Energy production and building demands are the primary sources of greenhouse gases. UC Merced's Climate Action Plan details a five prong approach to climate neutrality based on (1) developing a renewables based energy infrastructure grid (2) designing the most energy efficient building stock (3) influencing occupant behavior (4) maintaining our building stock and (5) Applying best practices for the

campus' fleet.

In the near term, the Climate Action Plan is the foundation to expand the range of sustainability content in the campus core curriculum, facilitating sustainability-related community partnerships, and communications regarding sustainability.

Year the climate plan was formally adopted or approved :

2009

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

The reduction level (percentage) institution has committed to :

100%

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

Jan. 1, 2007

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

15673 metric tons

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

Dec. 31, 2020

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

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

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

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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.

"---" 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 :

Charge of the committee will be to develop UCM Affirmative Action/EEO Policy, development of Discrimination Complaint Procedure, evaluation and monitoring of UC Merced's Affirmative Action Programs, tie the AA goals to UCM recruitment process, design training and education related to the plans, audit campus personnel programs to measure the extent to which goals have been attained, and facilitation of campus-wide programs and projects to promote diversity.

Members of the committee, including job titles and affiliations :

Joanne Dunlap – Chair of the Committee, Assistant Vice Chancellor for Human Resources

Rubi Morales – Human Resources Employment Analyst

Jody Gonzales – Human Resources Analyst

Renuka Nandkishore – Contract and Grant Accounting Senior Accountant

Mary Ann Coughlin – Staff Assembly Representative

Nancy Ochsner – Interim Assistant Vice Chancellor for Academic Affairs

Cristian Ricci – Senate liaison to the System-wide Committee on Affirmative Action & Diversity (UCAAD)

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

Does the institution have a diversity and equity office? :

No

A brief description of the diversity office :

The number of people employed in the diversity office :

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

Does the institution have a diversity and equity coordinator? :

Yes

Diversity coordinator's name :

Jesse Bernal

Diversity coordinator's position title :

Interim Diversity Coordinator

A brief description of the diversity coordinator's position :

The interim Diversity Coordinator provides UC systemwide support for gender, sexual orientation and diversity related initiatives.

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

Measuring Campus Diversity Culture

Responsible Party

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

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.

"---" 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) :

Campus climate, diversity and equity questions are included in the University of California Undergraduate Experience Survey (UCUES) and are analyzed at the campus level. Topics of questions include: respect regardless of social class, gender, race, religious beliefs, sexual orientation, and disabilities. The survey is conducted every even numbered year with all undergraduates on campus.

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 :

Results are summarized at the campus level and used by the University of California Office of the President (UCOP) to track changes over time and develop initiatives focused on specific areas of need. UC Merced, as a young campus (opened in 2005) has not yet been identified as needing issues addressed specifically at this time.

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

<http://www.universityofcalifornia.edu/studentsurvey/>

Support Programs for Underrepresented Groups

Responsible Party

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

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 :

The Office of Student Life supports student groups on campus focused on academic, cultural and peer support for affinity groups. Examples include: Black Student Union, Hermanas and Hermanos Unidos, Hmong Student Association, Muslim Student Association, and People First, Disabilities Later.

UC Merced also supports the Fiat Lux Scholars Program, funded through a FIPSE grant. From its website: "The program is designed to serve undergraduate students who meet at least one of the following requirements: 1) low-income, as determined by federal guidelines (Pell Grant recipients are typically eligible), 2) first-generation college student (parent or guardian does not have a 4-year degree), and 3) a member of an ethnic/racial community historically underrepresented in higher education."

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

This year, UCM's Center on Research on Teaching Excellence (CRTE) has initiated a faculty certificate program, thematically focused on mentoring teaching assistants. This program has engaged postdoctoral scholars, lecturers, and professors from a range of disciplines. Workshop topics address group work, grading, active learning, and other challenging forms for instruction. Five faculty and postdoctoral scholars will have completed this program by the end of the year, with resulting projects published on our website. CRTE offers a colloquium each semester to facilitate broad discussions about teaching and learning topics, with guest speakers from a range of campuses. Most recently, Chris Golde (Associate Vice Provost for Graduate Education at Stanford University) visited campus for a panel discussion about the future of graduate education.

In partnership with the Merritt Writing Program, CRTE has offered three semesters of a non-credit course in peer review to graduate students. Serving primarily non-native speakers of English, this program has supported the research, publishing, and writing needs of natural science and engineering students. A majority of student participants are international students. Our courses now include faculty

and postdoctoral scholars; however, the primary emphasis is on supporting graduate student writers.

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

There have been no programs identified within the past year to support staff related groups.

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

Support Programs for Future Faculty

Responsible Party

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

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 :

The Center for Research on Teaching Excellence maintains a Department of Education grant (FIPSE 2009-2012) that provides funding for faculty and graduate students to participate in a learning community, focused on the supporting at-risk student populations. Graduate fellows conduct classroom research and publish their findings in our guidebook project paper series, focused on the needs of first-generation college students. A majority of graduate student participants have been first-generation college students and/or underrepresented minorities. Projects have involved classroom or program assessment in biology, history, chemistry, physics, world cultures, anthropology, and writing. Additional grant opportunities include our mini-grant program, which has funded new faculty projects in economics, biology, general education, and anthropology. Priority has been given to proposals that evaluate evidence-based learning through performance outcomes (pre- and posttest, portfolio evaluation, and longitudinal tracking of student achievement). Projects aim to improve instruction in a course or curriculum, with clear evidence of instructional practices that encourage active learning. Since 2009, the Center has sponsored Students Assessing Teaching and Learning (SATAL) is a new service offered by the Center for Research on Teaching Excellence (CRTE). The idea behind SATAL is to value the voice and views of students and their educational development. To that end, SATAL will provide instructors and programs with valuable student insights into student learning through various measures such as observations, surveys, and interviews. These forms of indirect evidence coupled with more direct evidence, such as course portfolios and examinations, can provide a more holistic understanding of what's happening in a particular classroom. This service helps faculty, TAs, and academic programs gain a better sense of the learning experience of their students in their classes and in other academic contexts.

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

Affordability and Access Programs

Responsible Party

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

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 :

Through its Center for Educational Partnerships, UC Merced participates in Upward Bound, which provides support to participants in their preparation for entrance to college. UC Merced partners with area high schools (summer of 2012 will be Hoover and McLane High Schools in Fresno) to implement a series of academic enrichment activities focused on language arts, mathematics, foreign language, history, and science for incoming 10th, 11th, and 12th graders.

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

The UC Blue and Gold Opportunity Plan covers educational and student services fees for California residents whose family earns less than \$80,000 a year and who qualify for financial aid.

Access Grants are designed to provide enough gift aid to cover annual fee increases for students who meet relevant income guidelines but who do not qualify for the Blue and Gold Opportunity Program.

Golden Bobcat Grants and Scholarships are available for eligible undergraduate students with funding provided by the Regents of the University of California and the State of California. Award amounts are determined based on family income and financial need.

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

Since 2010, UCM's Center for Research on Teaching Excellence (CRTE) and Merritt Writing Program have sponsored a working group called the Freshman Year Experience Faculty. We focus on developing and providing professional development support to instructors teaching lower-division courses. Our group focuses on the needs of our diverse demographic, including low-income factors.
fyefaculty.ucmerced.edu

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

UC Merced participates in the UC Scholars EAOP Program which provides students with ongoing academic advising to ensure they successfully complete the required college preparatory courses. UC Scholars EAOP students and their families receive the necessary information and motivation to prepare for a postsecondary education, including assistance in the application and financial aid processes. The program serves 2,156 first-generation, low-income students throughout the Central Valley. These students are identified by school personnel at each UC Scholars EAOP partner school.

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

The UC Blue and Gold Opportunity Plan covers educational and student services fees for California residents whose family earns less than \$80,000 a year and who qualify for financial aid.

Access Grants are designed to provide enough gift aid to cover annual fee increases for students who meet relevant income guidelines but who do not qualify for the Blue and Gold Opportunity Program.

Golden Bobcat Grants and Scholarships are available for eligible undergraduate students with funding provided by the Regents of the University of California and the State of California. Award amounts are determined based on family income and financial need.

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

UCM's Parent Empowerment Program (PEP) was established in 2004 through a grant from the California Student Aid Commission and EdFund. In March, 2012, the program received \$33,00 to continue and expand the program into other areas of need. The program involves parental interventions based on an eight-session curriculum focusing on higher-education matters. Since 2004, the Parent Empowerment Program has served 1,349 parents at 17 schools. As part of this curriculum, 985 parents have also participated in campus visits to 19 colleges/universities. These interventions serve families who do not fully support their students' desires to enroll at a postsecondary institution because of deeply rooted cultural values.

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

UCM's Center for Educational Partnerships received a grant from the U.S. Department of Education to implement the Talent Search Program at Delhi, LeGrand, Orestimba, El Diamante, Strathmore and Corcoran High Schools. The Talent Search serves 600 total students from educationally disadvantaged backgrounds that have the potential to succeed in higher education. The program provides academic, career and financial counseling to its participants and encourages them to graduate from high school and continue on to the postsecondary school of their choice.

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

UCM's Center for Educational Partnerships coordinates the Transfer Scholars Program which seeks to empower high school students who are community-college bound on aspects related to transferring from a community college to a four-year college/university. The program works with students while they are in high school by separating community college and four-year college/university bound students soon after the traditional Nov. 30 application deadline for most colleges and universities. Each student participant receives an electronic Individual Academic Plan (IAP) highlighting community college courses that must be completed in order to transfer to a four-year college/university. Activities such as campus visits and workshops are also offered through this program.

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

The University of California, Merced administers a large number of scholarship funds designed to benefit undergraduate students. These scholarships are provided through the generosity of UC alumni; friends of UC Merced; corporations, businesses, professional associations; and the University itself. All new students must have at least a 3.25 GPA and all continuing students must have at least a 3.0 GPA to be considered for scholarships.

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

The P-20 Regional Alliance Program was established in 2003. The program partners with intersegmental entities to address issues affecting student achievement on a regional, rather than school, level. This work encompasses the counties of Tulare, Kings, Fresno, Madera, Merced and Stanislaus (counties near UC Merced that have traditionally had lower than average college-going rates compared to the rest of the state of California. As one of the lead agencies bringing together P-20 partners to establish regional alliances, UC Merced was instrumental in receiving commitment from the newly formed Alliance for Regional Alliances to Heighten Educational Success (ARCHES) to hold the first Central Valley P-16 Conference.

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

<http://cep.ucmerced.edu/>

Gender Neutral Housing

Responsible Party

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

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

Does the institution offer housing options to accommodate the special needs of transgender and transitioning students (either as a matter of policy or as standard practice)? :

Yes

A brief description of the program, policy, or practice :

UC Merced Housing and Residence Life is planning a Gender Inclusive Theme Community for 2012-13 for residents who would like to live with those of varying gender expression.

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

Employee Training Opportunities

Responsible Party

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

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

Does the institution make cultural competence trainings and activities available to all employees? :

Yes

A brief description of the cultural competence trainings and activities :

The UC Merced Human Resources department offers training to all staff. Titles of workshops offered include: Cultural Diversity, Diversity Application Strategies, Generational Diversity, and Legal Foundations of Diversity. They also offer a Diversity Certificate Program.

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

Student Training Opportunities

Responsible Party

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

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

Does the institution make cultural competence trainings and activities available to all students? :

Yes

A brief description of the cultural competence trainings and activities :

The UCM Office of Student Life provides myriad activities, events, and training related to cultural diversity, identity development and social justice issues. Some titles of programs include: the Safe Zone Training, Social Justice Retreat, Reel talk discussion series, and the Women's Empowerment Conference. Specific descriptions of just two of the many trainings offered include: Safe Zone Training - The Safe Zone Project is a two-part training experience dedicated to training allies for the Lesbian, Gay, Bisexual, and Transgender (LGBT) communities. The training encourages participants to examine personal knowledge and beliefs in order to raise awareness and discuss ways to make safe and welcoming spaces for the LGBT community on campus and beyond. Social Justice Retreat - The annual Social Justice Retreat is held each fall semester and is open to all undergraduate students who are interested in learning about, as well as those who are looking for opportunities to further their understanding of social justice and equality. Each year a group of about 30 students from many backgrounds, identities, and belief systems are taken to an off-campus retreat location where they engage in an experiential based, thought provoking, and unforgettable experience.

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

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

Nora Cary
Research Development Services
Office of Research

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) :

1097

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

1097

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

The University of California Office of the President (UCOP) has established \$13.70/hr., \$28,606 annual, as the current UC “livable wage.” This wage was recommended by UCOP Compensation as the minimum rate which is required to be paid by UC campuses to both represented and non-represented employees. The “livable wage” at UC has its foundation in contract negotiations with AFSCME, who represents the University’s lowest paid employees in service positions. An evaluation was done by UCOP Compensation and Labor Relations in a joint effort to develop a wage figure. That wage figure is reflected in the current contract with AFSCME contract which is effective February 12,2009-January 31, 2013. It is the responsibility of Human Resources to review offer letters and payroll records to ensure no base salary below this minimum level is implemented.

AFSCME's website with information about the contract:

<http://www.afscme3299.org/actions/victory-guaranteed-wages-benefits-protections-contract-improvements/>

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 :

<http://www.universityofcalifornia.edu/news/article/26454>

Employee Satisfaction Evaluation

Responsible Party

Nora Cary
Research Development Services
Office of Research

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.

"---" 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? :

No

A brief description of the institution's methodology for evaluating employee satisfaction :

The year the employee satisfaction evaluation was last administered :

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

Staff Professional Development in Sustainability

Responsible Party

Nora Cary
Research Development Services
Office of Research

Criteria

Institution makes available training and/or other professional development opportunities in sustainability to all staff at least once per year.

Separate training opportunities for each department would count for this credit, as long as each staff member has an opportunity to learn about sustainability at least once per year.

It is not necessary that each staff member attend such trainings; the credit is based on making training *available* to all staff.

This credit applies to staff members only; it does not include faculty members.

The following training opportunities are not sufficient for this credit:

- Specialized training for a small group of staff
 - The opportunity to participate in an institutional sustainability committee or group
-

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

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

Yes

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

A number of training and professional development opportunities are available to all staff on campus. Training and development opportunities are available in the following areas: Business and Operations, Environment, Safety, and Emergency Management, Occupation-Specific Skills, Organizational Effectiveness, Professional Skills and Career Development, Supervision, Management and Leadership, Technology, Systems and Software, UC Essentials, Work Life and Wellness.

UC Merced also offers a selection of online courses in leadership and supervisory skills, as well as a Supervisory Certificate Program, and a Diversity Certificate Program, which establishes a foundational awareness of the concepts of diversity and inclusion in the workplace and shows the benefits of valuing both concepts.

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

<http://hr.ucmerced.edu/training>

Sustainability in New Employee Orientation

Responsible Party

Nora Cary
Research Development Services
Office of Research

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 :

As the first new research campus of the 21st century, the University of California, Merced has an opportunity to demonstrate from the ground up sustainable environmental, economic and social systems that conserve the ability of future generations to meet their own needs. Therefore, the New Employee Orientation (NEO) at UC Merced exposes new faculty and staff members to their first encounter with sustainability.

NEO is conducted the first Friday of every month and Gene Barrera, Associate Planner from the Physical Planning Design and Construction Department of UC Merced, conducts a 20 minute presentation to new employees explaining the importance of sustainability. Mr. Barrera provides the basic foundations of the sustainability initiatives and explains how they are important to on-going UC Merced Management. In addition, he explains to new employees how they can play an indispensable role into attaining our campus sustainability goals. Additionally, Mr. Barrera explains that the Sustainability Strategic Plan is UC Merced's roadmap to incorporate sustainability practices throughout the campus. Therefore, after attending to NEO our new faculty and staff members should embrace the opportunities to collaborate into every aspect of the campus Strategic Academic Vision.

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

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

Employee Sustainability Educators Program

Responsible Party

Nora Cary
Research Development Services
Office of Research

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 :

1097

Program name (1st program) :

Green Department Challenge

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

125

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

The employee educators are members of the Campus Sustainability Committee.

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

While there is no formal training, the educators draw on experiences and best practices from their work.

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

Campus and department level leadership have provided the approval and staff time to support the Green Department Challenge effort. The effort encourages staff level campus members to engage in sustainable practices in their offices.

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) :

Responsible Party

Nora Cary
Research Development Services
Office of Research

"---" 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 :

The Early Childhood Education Center is located on the UC Merced campus. It provides a quality child care option for employees and students with children, as well as an opportunity for research in early childhood education.

Tuition Rates for UC Merced students, staff and faculty are discounted from the normal community rates. Subsidy for low-income UCM students and employees has always been a priority for ECEC. A scholarship is available to income-qualified UCM affiliated families that would reduce their monthly tuition by 25%.

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

<http://ecec.ucmerced.edu/welcome/>

Employee Wellness Program

Responsible Party

Nora Cary
Research Development Services
Office of Research

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

Does the institution have an employee assistance or wellness program that provides counseling, referral, and well-being services to employees? :

Yes

A brief description of the employee wellness program, policy, or practice :

UC Merced's wellness program is called Choose Well. It provides employees with numerous health and wellness resources, including fitness classes and weight management programs, nutrition information, and help maintaining a healthy work-life balance.

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

<http://choosewell.ucmerced.edu/>

Socially Responsible Retirement Plan

Responsible Party

Nora Cary
Research Development Services
Office of Research

"---" 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 :

Yes, the University of California offers employees the opportunity to make retirement savings investments through Fidelity Investments Services. Fidelity Investments Services offers the following socially responsible investment options:

Vanguard FTSE Social Index Fund Institutional Shares

This investment seeks to track the performance of the FTSE4Good US Select Index. The fund employs a "passive management" investment approach designed to track the performance of the FTSE4Good US Select Index. The index is composed primarily of large- and mid-cap stocks that have been screened for certain social and environmental criteria by the index sponsor, which is independent of Vanguard. It attempts to replicate the index by investing all, or substantially all, of assets in the stocks that make up the index.

Calvert Social Index CL A

This investment seeks to match the performance of the Calvert Social Index®, which measures the investment return of large and mid-capitalization stocks. The fund normally invests at least 95% of net assets, including borrowings for investment purposes, in securities contained in the index. It uses a replication index method. The 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.

Fidelity Brokers Link

According to Fidelity Investments, the Brokers Link is an option provided to employees to invest in any funds. The offerings, while not specified by the Fidelity investments representative, include additional socially responsible funds, such as a Sentinel.

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

http://www.ucop.edu/treasurer/invpol/RetSav_IPS_05-02-06.pdf

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

Responsible Party

Nora Cary
Research Development Services
Office of Research

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

Responsible Party

Nora Cary
Research Development Services
Office of Research

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? :

No

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? :

No

Has the institution conducted a negative screening of its entire investment pool within the last three years? :

No

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

Responsible Party

Nora Cary
Research Development Services
Office of Research

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 :

68700000000 US/Canadian \$

Value of holdings in sustainable industries, such as renewable energy or sustainable forestry :

0 US/Canadian \$

Value of holdings in businesses selected for exemplary sustainability performances :

0 US/Canadian \$

Value of holdings in sustainability investment funds, such as a renewable energy investment fund :

0 US/Canadian \$

Value of holdings in community development financial institutions (CDFIs) :

0 US/Canadian \$

Value of holdings in socially responsible mutual funds with positive screens :

13200000 US/Canadian \$

A brief description of the companies, funds, and/or institutions referenced above :

As part of the Defined Contribution Plan, the University of California offers a Calvert Fund of \$2 Million and a Vanguard Fund of \$11.2 Million.

<https://ucfodusonyourfuture.mysecurebenefitsportal.com/Content/downloads/Vanguard>

F0223.pdf

The website URL where information about the institution's sustainability investment activities is available :

<http://www.calvert.com/fundprofile.html?fund=933>

Student-Managed Sustainable Investment Fund

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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

Does the institution have a student-managed sustainable investment fund through which students are able to develop socially and/or environmentally responsible investment skills and experience with governance? :

No

A brief description of the student-managed sustainable investment fund :

The website URL where information about the fund is available :

Sustainable Investment Policy

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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

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? :

No

A brief description of the sustainable investment policy :

The website URL where information about the policy is available :

Investment Disclosure

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

"---" 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? :

A brief description of the institution's investment disclosure practices :

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

Nora Cary
Research Development Services
Office of Research

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 :

UC Merced participates in a number of community sustainability partnerships, including:

Green Team Merced, which is a program by the Greater Merced Chamber of Commerce that works to bring sustainability awareness to local businesses, and encourages environmentally responsible business choices.

The UC Merced chapter of Energy Service Corps, which is a student-run organization whose framework is provided by AmeriCorps and the California Public Interest Research Group. The Energy Service Corps educates community members about sustainability and ways to reduce energy use, and takes on sustainability projects in the community, such as weatherizing a local homeless mission.

UC Merced participates in the City of Merced Climate Action Ad-Hoc Planning Committee, which is working to develop and implement a set of strategies to reduce greenhouse gas emissions and improve the quality of life in Merced. The Committee is now in the implementation stage of its plan.

Additional URLs:

<http://sustainability.ucmerced.edu/node/46>

http://www.cityofmerced.org/depts/cityclerk/boards_n_commissions/climate_action_plan_ad_hoc_advisory_committee/default.asp

The website URL where information about sustainability partnerships is available :

<http://greenteammerced.com/index.html>

Inter-Campus Collaboration on Sustainability

Responsible Party

Nora Cary
Research Development Services
Office of Research

Criteria

Institution collaborates with other colleges and universities to support and help build the campus sustainability community.

"---" 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 :

John Elliott, Director of Energy and Sustainability at UC Merced, has presented at numerous sustainability conferences and meetings at academic institutions. Titles of his presentations include:

UC Merced Advanced Energy Information System: Deploying an Operational Energy Performance Platform (California Higher Education Sustainability Conference 2011); Piloting an Integrated Renewable Energy Portfolio for the UC Merced Community (California Integrated Renewable Energy Systems forum); Achieving UC Merced's Triple Zero Commitment (UC Santa Cruz, 2012); Turning Sustainability Plans into Action with Jim Genes, Special Assistant to the Administrative Vice Chancellor (California Higher Education Sustainability Conference 2010)

The names of local, state, regional, national, and other campus sustainability organizations or consortia in which the institution participates and/or is a member :

American College and University Presidents' Climate Commitment (ACUPCC), U.S. Green Building Council.

A brief summary of additional ways the institution collaborates with other campuses to advance sustainability :

UC Merced collaborates with other University of California campuses, as well as other colleges and universities, in a number of ways. For instance, it participates in the annual California Higher Education Sustainability Conference (CHESC), which is a platform for California colleges and universities to share sustainability best practices and new innovations, and make contacts for future collaboration. UC Solar is a multi-campus research institute that focuses on improving solar technologies, and is located on the UC Merced campus. UC Merced hosted a Solar Research Symposium in 2011 to bring collaborators together on the issue of solar technology.

UC Merced developed a water-saving competition for its dormitories with local water management company Aquacue. The company provided water-use monitoring software that measured water consumption dorm by dorm and posted the results on Facebook. The

competition was very popular and successful, and received national attention. Stanford University has now partnered with Aquacue to develop similar software for its campus.

The UC Merced Purchasing Department also participates in system-wide conference calls focusing on sustainable procurement strategies.

The website URL where information about cross-campus collaboration is available :

<http://sustainability.ucmerced.edu/documents>

Sustainability in Continuing Education

Responsible Party

Nora Cary
Research Development Services
Office of Research

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 :

2

Total number of continuing education courses offered :

2

Does the institution have a sustainability-related certificate program through its continuing education or extension department? :

No

A brief description of the certificate program :

Year the certificate program was created :

The website URL where information about sustainability in continuing education courses is available :

Community Service Participation

Responsible Party

Nora Cary
Research Development Services
Office of Research

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 :

2100

Total number of students, which may exclude part-time, continuing education and/or non-credit students :

4381

The website URL where information about the institution's community service initiatives is available :

<http://studentlife.ucmerced.edu/what-we-do/civic-engagement>

Community Service Hours

Responsible Party

Nora Cary
Research Development Services
Office of Research

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.

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

The number of student community service hours contributed during a one-year period :

6800

Total number of students, which may exclude part-time, continuing education and/or non-credit students :

4381

The website URL where information about the institution's community service initiatives is available :

<http://studentlife.ucmerced.edu/what-we-do>

Sustainability Policy Advocacy

Responsible Party

Nora Cary
Research Development Services
Office of Research

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 :

The University provided public support for the passage of Assembly Bill 130 and 131 (Cedillo), which were signed into law by Gov. Jerry Brown in 2011. These bills allow for all students who qualify for a nonresident tuition exemption under AB 540, including those who are undocumented, to be eligible for scholarships derived from non-state funds received by the institution, and eligible to receive any student financial aid program administered by the State of California such as Cal Grants.

Environmental Sustainability; Campus Sustainability

California Greenhouse Gas Cap-and-Trade program (2009-2011)

The University is on record supporting the California Air Resources Board's creation of a state-wide greenhouse (GHG) gas cap-and-trade program. The University expects to be regulated under such a program because it operates several large, highly efficiency central plants that run on natural gas.

The University also proposed the creation of an opt-in compliance path under cap-and-trade, whereby regulated entities would receive free GHG allowances in exchange for commitments to reduce regulated emissions by seven percent and invest 125% of their expected compliance costs in direct GHG abatement projects.

See:

<http://www.arb.ca.gov/lispub/comm/bccommlog.php?listname=capandtrade10>

(search for University of California)

The website URL where information about the institution's advocacy efforts are available :

Trademark Licensing

Responsible Party

Nora Cary
Research Development Services
Office of Research

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:

<http://www.fairlabor.org/affiliate/university-california-merced>

<http://www.ucop.edu/ucophome/coordrev/policy/PP050506.pdf>

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

Is the institution a member of the Worker Rights Consortium? :

Yes

Is the institution a member of the Fair Labor Association? :

Yes

Has the institution expressed intention to participate in the Designated Suppliers Program? :

Yes

The website URL where information about the institution's participation in the WRC, FLA, and/or DSP is available :

<http://www.workersrights.org/about/as.asp>

Graduation Pledge

Responsible Party

Nora Cary
Research Development Services
Office of Research

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

Does the institution administer a graduation pledge through which students pledge to consider social and environmental responsibility in future job and other decisions? :

No

A brief description of the graduation pledge program :

Graduating seniors are not given a pledge. However, incoming students are asked to take a pledge to abide by the UC Merced Principles of Community, which include, "We encourage health and wellness and strive to develop a sense of environmental responsibility and stewardship among all the members of our community."

<http://alumni.ucmerced.edu/current-students/collegiate-pledge>

Also, the UC Merced Campus Sustainability website offers a Sustainability Pledge available to anyone on campus.

The website URL where information about the graduation pledge program is available :

<http://sustainability.ucmerced.edu/node/46>

Community Service on Transcripts

Responsible Party

Nora Cary
Research Development Services
Office of Research

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

Does the institution include community service achievements on student transcripts? :

No

A brief description of the practice :

UC Merced does not include community service on student transcripts at this time. The campus uses an academic transcript model, but has plans to develop an extra-curricular transcript, which would serve as a record of students' participation in service organizations, athletics and student government.

The website URL where information about the practice is available :

Farmers' Market

Responsible Party

Nora Cary
Research Development Services
Office of Research

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

Does the institution host a farmers' market for the community? :

No

A brief description of the farmers' market :

UC Merced does host a community-supported agriculture program, however, so students, faculty and staff can have weekly access to local and organic produce, dairy and meat delivered directly to campus.

UC Merced doesn't currently host a farmers market, but there are two weekly farmers markets in the community, including one that is in the same business park as some of UC Merced's offices.

<http://mercedcfm.com/>

The website URL where information about the market is available :

<http://csa.farmigo.com/join/ranchopiccoloorganics/csa>

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

Responsible Party

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

Criteria

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 - 10) When the innovation is part of a partnership, the summary provided must clearly describe the institution's role in the innovation.
-

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

A brief description of the innovative policy, practice, program, or outcome :

The Yosemite Leadership Program (YLP) is a partnership among Yosemite National Park, Sequoia and Kings Canyon National Parks and the University of California, Merced. YLP is leadership development that educates and inspires environmental advocacy and social change through skilled, ethical, innovative, and intentional action while respecting cultural heritage and community. This two year program integrates training in leadership skills, education on the theories and practices of leadership, and personal and professional development opportunities to create generations of socially engaged, environmentally aware

global stewards. YLP's innovative design includes leadership

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

seminars, speakers and crystallizing wilderness experiences in the first year, an immersive, park based, summer internship program, and a capstone legacy project and cross-peer mentoring opportunities in the second year.

YLP has a track record of providing transformative experiences for participants and creating agents of positive social change in their communities. 43% of summer interns matriculate into paid NPS seasonal or student positions; 19 former interns are employed in the National Park this summer. 6 capstone legacy projects were completed including - Hmong Student Association leadership retreat, and YLP-ARC cross-peer mentoring backpacking adventure addition to other components of the program, Yosemite operates an on-campus Wilderness Education Center. This NPS-run, student staffed Center provides awareness about natural and cultural resources to students, faculty, staff and community members in and around UC Merced. Built on a place based model, the WEC meets people where they are and builds relevancy in their own communities. The center accomplishes this by both developing and leading trips to Yosemite as well as by bringing Park education, speakers and events to the campus and the community. The park hires and supervises UC Merced students who operate this innovative Center. Due to the work of the center, 600+ students participated in Ranger lead trips to Yosemite and 3300+ local school students were educated by UC Merced Student Rangers through in-class presentations.

A letter of affirmation from an individual with relevant expertise :

[YLP Affirmation Letter.pdf](#)

The website URL where information about the innovation is available :

<http://yjp.ucmerced.edu/>

Responsible Party

Gina Johnson

Principal Analyst

Institutional Planning & Analysis

Criteria

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-

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

A brief description of the innovative policy, practice, program, or outcome :

The approximately 565 students living in the Valley Terraces on-campus residence hall competed as communities in a month long water conservation competition called the UC Merced Water Battle 2011. The hall that saved the most water per person during the competition won a pizza party, prizes and \$1,000 to donate to a local nonprofit organization.

The student group Green Campus planned and organized the contest, along with UC Merced sustainability leaders, the student chapter of Engineers for a Sustainable World and Los Gatos, CA-based startup company Aquacue Inc. Aquacue Barnacle, a flow monitoring and

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data-transmitting device attached to each hall's water meter allowed students to check real-time water usage and hall rankings on a website and their smartphones. This event is believed to be the first use of this technology in a campus residence hall setting.

Almost 90,000 gallons of water were saved in the month of October through the campaign. The groups continue to have a presence on Facebook and the Aquacue website to track and encourage continued water conservation.

Campus press release

<http://www.ucmerced.edu/news/students-clash-month-long-battle-save-water>

Campus video

<http://www.ucmerced.edu/video/impact-students-put-new-twist-water-conservation-contest>

Student video

<http://www.youtube.com/watch?v=3wL2-yWomJE>

UCM water battle is finalist in White House "Campus Champions of Change Challenge"

<https://campuschallenge.uservoice.com/forums/148562-campus-champions-of-change-challenge>

UCM's ASE Green Campus student interns win energy savings for social media & digital media in water conservation
(Note: this recognition is for a spring 2012 national energy and water conservation competition)

<http://ase.org/efficiencynews/2012-campus-conservation-nationals-green-campus-students-win-big-saving-energy>

Local media coverage of fall 2011 residence hall water competition

<http://abclocal.go.com/kfsn/story?section=news%2Feducation&id=8404497>

<http://www.mercedsunstar.com/2011/10/11/2077526/new-devices-contest-will-help.html>

<http://www.modbee.com/2011/10/21/1914831/new-meters-contest-to-track-uc.html>

<http://us.cisionpoint.com/BouncingBallVideoPassThrough.aspx?locator=6-29560F48C2-114C943-113E22>

B

A letter of affirmation from an individual with relevant expertise :

[Water Battle Affirmation Letter.docx](#)

The website URL where information about the innovation is available :

<http://www.facebook.com/UCMercedWaterBattle2011>

Responsible Party

John Elliott

Director, Energy And Sustainability
Facilities Management

Criteria

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

A brief description of the innovative policy, practice, program, or outcome :

The foundation of the UC Merced climate strategy to meet its zero net energy goal by 2020 is an aggressive new building efficiency program that targets designing and operating buildings to consume half the energy and peak demand of other university buildings in California. This approach, known as "energy performance targets" is also complemented by requirements that buildings consume 30% less energy than required by California's Title 24 energy efficiency code and achieve all LEED Energy and Atmosphere credits related to energy efficiency. The UC Merced energy performance target program was developed a decade ago and targets have been phased in—with current buildings being designed at 50% of benchmarks. Peer-reviewed case studies demonstrate UC Merced building energy

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performance is well head of targets:

http://uc-ciee.org/downloads/Case_Study_UCM-COB_d7_ML.pdf

and

http://uc-ciee.org/images/downloadable_content/buildings/CaseStudy_UCM-SE1_R_d2_ML.pdf

. The program is unique in the marketplace, and has a demonstrated track-record of delivering aggressive energy efficiency in new commercial (university) buildings.

A letter of affirmation from an individual with relevant expertise :

[Innovation Credit Supporting Letter.pdf](#)

The website URL where information about the innovation is available :

http://uc-ciee.org/downloads/Case_Study_UCM-COB_d7_ML.pdf

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

Criteria

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-

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

A brief description of the innovative policy, practice, program, or outcome :

As a new university, UC Merced has a once-in-a-generation opportunity create a new sustainable model for campus design and construction. As part of its 6.25 million square feet development plan, the campus established an ambitious and innovative "triple zero" goal, process and implementation program that integrates building design, research and operations. While this could only be accomplished due to UC Merced's early stage of development, it does provide a national and international model for large scale educational developments in the future.

UC Merced's Triple Zero Commitment is:

1. To consume zero net energy

UC Merced's goal is to reach zero net energy through building efficiency and renewable energy production.

2. To produce zero landfill waste.

UC Merced's goal is to divert from landfill all campus waste by reducing excess consumption and recycling to the maximum extent feasible.

3. To produce zero net carbon emissions

UC Merced's goal is to prevent as much carbon emissions as it produces

As a result of the innovative plan, the monitoring program and processes, as the campus grows, new development will be designed, planned and sited to demonstrate innovation and minimize impacts on the environment.

A letter of affirmation from an individual with relevant expertise :

[letter_innovation4.pdf](#)

The website URL where information about the innovation is available :

<http://ppdc.ucmerced.edu/sustainability-and-environment/triple-net-zero-commitment>

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

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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 :

Sustainability leaders from campus, such as the recycling coordinator, present at each summer orientation session for incoming students. Each fall, new students attend the Ascend New Student Success Conference which includes a number of sustainability-related workshops, such as Rethink Recycling and The Benefits of Joining a Professional Engineering Organization (including Engineers for a Sustainable World).

Does new student orientation incorporate sustainability information into presentations (e.g., made by Residential Advisors to individual dorm floors)? :

Yes

Provide a brief description of the presentations :

New student orientation introduces students to sustainable practices in UC Merced's dormitories and through campus tours. As a brand new, entirely LEED certified campus, incoming students are immersed into an environment where every single element of the built environment reflects the latest thinking in resource sensitive design and campus tours for new students make sure to emphasize these elements. Within residence halls, incoming students are briefed and provided online information on strategies (e.g. energy efficient appliance purchasing) and behaviors (e.g. non-peak hour laundry days) that can be used to minimize the resource load of their residence halls.

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? :

Yes

Provide a brief description of the activities :

During the first month of classes, the Green Fiend BBQ gives students a chance to chat with sustainability related clubs, organizations, and departments over free food. One of the most noteworthy fun activities is the "Green Campus Bike Blender", a retrofitted, people-powered stationary bicycle that students can use to make a milkshake. Watch the Youtube video of UC Merced student pedaling to blend her very own milkshake to see it in action:

http://www.youtube.com/watch?v=Fms-H1ul7cM&feature=player_embedded

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 :

UC Merced does not purchase carbon offsets, but it does make students aware of the ability of the campus to support zero waste student club events.

Does the institution incorporate sustainability into new student orientation in other ways? :

Provide a brief description :

Food Education

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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 :

UC Merced's CORE 100 class required is required for all incoming students. During this class, UC Merced students are asked to consider their social, economic and environmental impact. The topic-driven class features a sustainability focused series of sessions that cover waste and recycling from food and related activities.

Are students educated in dining facilities about how to make eco-positive food choices? :

Yes

Provide a brief description :

UC Merced's sole dining facility educates patrons from the entry to exit on how to make eco-positive food choices. Dining Facilities feature information about food composting, recycling, zero waste targets and low impact dining utensils. Vegetarian options are prominently displayed for patrons.

Are students educated during orientation about how to make eco-positive food choices? :

Yes

Provide a brief description :

UC Merced Dining Services is committed to increasing awareness around sustainability, defining it both technically and in practice for student customers to witness and hopefully model. Since the UC Merced's inception in 2005, Dining sustainability efforts have been implemented, including an emphasis on waste awareness education, portion allotment and composting. It is noteworthy that since students provide a significant portion of dining employees, UC Merced's "back of the house" sustainability efforts provide an additional outlet for communicating the importance of reducing resources.

Are students educated in other venues about how to make eco-positive food choices? :

Yes

Provide a brief description :

The annual Bobcat Week (Spring) and Orientation Week (Fall) provide venues for UC Merced's campus dining facilities to spread the word about environmentally friendly food options offered both on campus and within the community. Through tabling, Facebook updates and CSA signups, students at UC Merced have the opportunity to gather information to make informed choices.

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 :

UC Merced operates a student assisted herb garden attached to the dining commons and has approved the Summer 2012 groundbreaking of a 625 sq. foot student-led garden located on campus property. The garden's goal is to encourage health and wellness by striving to develop a sense of environmental responsibility and stewardship and provide an outdoor learning environment.

Food and Beverage Purchases

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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 :

10

The percentage of food and beverage expenditures that were grown within 100 miles of the institution :

75

List what tool your institution is using to track this information (e.g. Center for Environmental Farming Systems or CBORD) :

Self-reporting

List items procured for dining services from on-campus organic garden(s) :

Rosemary, Bayleaf, Oregano, Thyme, Peppermint, Chives, Dill and Spearmint.

The percentage of total food and beverage expenditures spent by dining services to procure items from on-campus organic garden(s) :

2

List all Fair Trade certified items purchased :

All tea and all coffee

Confinement-Free Food Purchases

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

Criteria

Institution provides details of its confinement-free animal product purchases.

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

Type of cage-free / free-range eggs purchased :

TD Willey farms cage free, organic

Percentage purchased :

100

Comments :

UC Merced is located in a rural agricultural region. This provides an opportunity to source locally produced eggs from a nearby farm.

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

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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) :

Beef

Percentage purchased (1st product) :

10

Comments (1st product) :

Grass-fed, hormone free beef is acquired for special events.

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

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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) :

Beef

Percentage purchased (1st product) :

10

Comments (1st product) :

Free range, hormone free beef is used for special events.

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

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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) :

Cod

Percentage purchased (1st product) :

33

Standard used (1st product) :

Marine Stewardship Council

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) :

White fish

Percentage purchased (2nd product) :

33

Standard used (2nd product) :

Marine Stewardship Council

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) :

Tilapia

Percentage purchased (3rd product) :

33

Standard used (3rd product) :

Marine Stewardship Council

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

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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? :

Yes

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? :

No

Provide a brief description. :

The vast majority of UC Merced's dish ware is biodegradable or reusable. Only one food station for cereal includes Styrofoam option.

Responsible Party

John Elliott

Director, Energy And Sustainability
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 :

0

The percentage of overall energy consumption reduced as a result of retrofits and renovations completed within the past three years :

0

The percentage of electricity consumption reduced as a result of retrofits and renovations completed within the past three years :

0

The percentage of thermal energy consumption reduced as a result of retrofits and renovations completed within the past three years :

0

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 :

The combined gross square footage of all buildings that are ENERGY STAR labeled :

0

The names of all buildings that are ENERGY STAR labeled :

Energy Use by Type

Responsible Party

John Elliott

Director, Energy And Sustainability
Facilities Management

Criteria

Institution reports its energy use by type.

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

The percentage of total electricity use from coal. :

4.90

The percentage of total electricity use from wind. :

15.50

The percentage of total electricity use from biomass. :

1.70

The percentage of total electricity use from natural gas. :

29.50

The percentage of total electricity use from solar PV. :

15

The percentage of total electricity use from geothermal. :

5.10

The percentage of total electricity use from nuclear. :

9.90

The percentage of total electricity use from hydro. :

10.10

The percentage of total electricity use from other. :

8.40

Provide a brief description. :

15% of electricity on campus is provided by an on-site solar photovoltaic array. 85% is provided by a third party provider Noble Americas. 2010 Power content table is the most recent available and available at http://www.energy.ca.gov/sb1305/labels/2010_1

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. :

0

The percentage of total energy used for heating buildings from natural gas. :

100

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. :

0

Provide a brief description. :

All heating is provided by natural gas boilers.

If cogeneration, please explain. :

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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) :

100

Does the institution have a policy to purchase ENERGY STAR appliances whenever possible? :

Yes

The percentage of expenditures on Forest Stewardship Council (FSC) certified office paper (US/Canadian dollars) :

23

Does the institution's vendor code or policy require vendors to use less packaging? :

Yes

Bike Sharing

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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 :

0

Water Initiatives

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

Criteria

Institution provides details about its water initiatives.

"---" 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 :

UC Merced does not have a ban on selling bottled water, but UC Merced has deployed a network of hydration stations that students can use to fill water bottles.

Does the institution meter any of its non-potable water usage? :

No

The percentage of urinals on campus that are waterless :

95

Endowment

Responsible Party

Richard Cummings

Principal Planner

Physical Planning, Design and Construction

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 :

5080000 *US/Canadian \$*

Date as of :

June 30, 2010

Does the institution offer donors the option of directing gifts to an investment fund that considers environmental/sustainability factors? :

No

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) :

No

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 environmental 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 Cummings

Principal Planner

Physical Planning, Design and Construction

Criteria

Institution reports the amount of weekly time worked by people employed in the sustainability office, if applicable (in full-time equivalent).

"---" 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) :

15

FTE staff on payroll :

1.50

FTE student intern/fellow :

1.50