University of Massachusetts Amherst

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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.
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.

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Student Sustainability Educators Program

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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.

Submission Note:

Degree seeking students comes from OIR fact sheet:

http://www.umass.edu/oapa/publications/factsheets/enrollment/fall/FS_enr_01_f.pdf

Source and Number Breakdown:

Fall 2013 Enrollment Factsheet
Degree seeking undergrad (including CPE): 21,672
Degree seeking grad (including CPE): 5,848
Degree seeking undergrad plus degree seeking grad: 27,520

Number of students served by the program to whom peer-to-peer sustainability outreach and education is offered (1st program):
Eco-Rep program is now offered to all degree seeking undergrads, living off campus and on campus, so to calculate this I subtracted non-degree seeking undergrads (111) from the total undergrad and Stockbridge headcount (20,728).

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

Total number of degree-seeking students enrolled at the institution:
27,520

Program name (1st program):
Number of students served by the program to whom peer-to-peer sustainability outreach and education is offered (1st program):
20,617

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

The UMass Amherst Eco-Rep Program is focused on working towards environmental literacy both within the program, and on the campus at large. The mission of the Eco-Rep Program is to foster environmental literacy within the campus community and translate that new understanding into more sustainable behavior.

Eco-Reps build a foundational knowledge surrounding issues of sustainability and explore how best to raise awareness about these issues amongst their peers. Focusing on the role and impact of the individual, Eco-Reps work to promote environmentally responsible behavior in the campus community.

Area Eco-Reps from 7 different residential areas on campus educate and facilitate the Eco-Reps within an academic structure each semester by holding weekly seminars and implementing an interdisciplinary curriculum that they develop with the Student Program Manager, the Campus Sustainability Manager and the Faculty Advisor. Every fourth week each unit is completed with an interactive event aimed at educating fellow residents on campus about the issues they have been learning about.

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

The Student Program Manager position is a paid position within Sustainable UMass (formerly the Campus Sustainability Initiative). This position is selected to run the entire program by the the Campus Sustainability Manager. It is their job to facilitate the entire program and educate the Area Eco-Reps. The program Managers who typically serve 2 years in the position are chosen from Area Eco-Reps who show leadership and facilitation skills. Area Eco-Reps educate and facilitate the Eco-Reps with the Direct Support of the Program Manager. Area Eco-Reps are selected through an application process. To apply to be an Area Eco-Rep the student has to have been an Eco-Rep.

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

Area Eco-Reps study the theory and practice of peer facilitation in their first semester in a formal class structure that includes readings and practical experience with the direct support of the Program Managers. These individuals take on progressively more facilitation responsibilities through weekly meetings. At the end of the first semester the Area Eco-Reps are competent student facilitators and are able to work with the Eco-Reps on their own.

Additionally, each Fall semester the group of Area Eco Reps and the Program Manager engage in a launch event that includes facilitation training provided by staff at the UMass UACT office (UMass Alliance for Community Transformation).

The Program Manager is now required (as of Fall 2013) to take the UACT Critical Pedagogy course and all Area-Eco Reps are recommended to take it as well.

A brief description of the staff and/or other financial support the institution provides to the program (1st program):
The Campus Sustainability Manager at UMass Amherst is the anchoring body of the Eco-Rep Program. Through this position the Eco-Rep Program has financial and administrative support via the Sustainable UMass budget which ultimately comes from the Physical Plant budget. The program also benefits from a faculty advisor, Craig Nicolson in Environmental Conservation who helps develop the curriculum and sits in on weekly Area Eco-Rep meetings.

The website URL for 1st Program:
http://www.umass.edu/ecorep

Program name (2nd program):
UMass Permaculture Initiative

Number of students to whom peer-to-peer sustainability outreach and education is offered (2nd program):
27,520

A brief description of the program, including examples of peer-to-peer outreach activities (2nd program):
The UMass Permaculture Initiative is a unique and cutting-edge sustainability program that converts underused grass lawns on the campus into edible, low-maintenance, and easily replicable gardens. This initiative was created by students and then adopted and funded by our administration in 2010. Students and permaculture staff work together along with UMass Dining Services, Sustainable UMass, and many other departments to demonstrate the vision of what a sustainable community and world can look like.

UMass was the first public university in the country implementing sustainable permaculture gardens directly on campus each year and serving the local, healthy produce in the university's dining commons.

Although the UMass Permaculture Initiative was born from just a few visionary students, we have grown considerably since our inception. As a result of our expansion, the initiative has formed partnerships with three different branches within the UMass Amherst system. The student-led UMass Permaculture committee, the Stockbridge School of Agriculture and, UMass Dining - all working together to achieve the same end.

Staff and students are currently working within the College of Natural Sciences to develop the initiative into a full academic program and major. Currently, the Permaculture Initiative which is facilitated by students, holds workshops and classes within the classroom and in the gardens on and off campus to fellow students and the greater community regarding permaculture techniques, community building, social justice and local food, and grassroots organizing.

A brief description of how the student educators are selected (2nd program):
Sustainability Staff from Dining Services contact departments on campus to recruit students. Students are interviewed for the positions. Preference is given to first people apply and show the most interest. The program actively seeks people from diverse academic backgrounds who have a good sense of community.

A Permaculture Committee of student leaders oversees operations and leadership of the initiative.

A brief description of the formal training that the student educators receive (2nd program):
The first month of student committees existence is split in half between learning the history of the program and the basic agricultural principle. The other half of the work is hands on learning in the garden.

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

A staff supported by the UMass Auxiliary Services includes the Chief Sustainability Specialist who oversees the permaculture garden and all future permaculture garden projects and the Sustainability Specialist who also works with the program and works closely with the student committee. Both these positions are funded through Auxiliary Services at the university as well as the gardens themselves.

The website URL for 2nd program:
http://umasspermaculture.com/

Program name (3rd program):
Sustainable UMass Sustainability Fellowship Program

Number of students to whom peer-to-peer sustainability outreach and education is offered (3rd program):
20,617

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

The Sustainable UMass Fellowship Program began in the fall of 2009 with one student intern and has since grown to engage as many as twenty interns in a given semester.

Fellows are compensated with three credits per semester for their commitment to the Sustainability Initiative and are mentored by a faculty sponsor. Some of the Fellows receive pay as well. Students and sponsors collaborate to set academic goals and a midterm and final report of some sort is usually expected.

Each fellow is hired to focus on a specific aspect of sustainability on campus. Categories include Energy & Green Building, Green Office Program, Transportation, Waste and Recycling, Media and Marketing, Community Organizing, and Green Games. Projects are determined on an individual basis to further the implementation of sustainable practices on campus in all of these areas.

In addition to responsibilities to faculty advisors and the planning and implementation of projects, fellows are required to spend a few hours each week in the Sustainable UMass office. This structured time commitment allows for collaboration between fellows and a greater sense of community between all members of the program. In total, participants are expected to spend about nine hours each week on related work.

Fellows will have the chance to attend meetings of the Chancellor's Sustainability Committee which are scheduled monthly.

The Sustainable UMass Fellowship Program aims to continue to make UMass sustainable in all areas of operation while providing an enriching experience for individual program participants. Fellows will walk away with experience, knowledge and a greater passion for sustainable change than they previously possessed.

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

Students apply for Fellowship positions each semester and the UMass Amherst Careers Center advertises all open positions each semester. Students are asked to submit a resume and cover letter and then are interviewed based on their qualifications and the need
within the organization by the Campus Sustainability Manager and the Student Sustainability Coordinator.

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

The new student educators go through a brief training before the semester begins. During the semester the students have access to veteran student educators as well as UMass staff and faculty.

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

Sustainable UMass has a budget provided by the Physical Plant. The director of the Physical Plant works closely with the students to ensure the development and execution of sustainable programs.

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

http://www.umass.edu/sustainability/get-involved/sustainability-fellows

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

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

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

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

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

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

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

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Student Sustainability Outreach Campaign

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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

Submission Note:

Campaigns:

https://www.umass.edu/sustainability/

http://sumacstudents.tumblr.com/

http://www.umassdining.com/sustainability/permaculture

http://www.umass.edu/rso/masspirg/
Does the institution hold a campaign that meets the criteria for this credit?:
Yes

The name of the campaign(s):
Sustainable UMass, Eco-Rep Program, SUMAC, MASSPIRG, UMass Fossil Fuel Divestment Campaign, Permaculture Initiative, Real Food Challenge, USGBC Student Chapter

A brief description of the campaign(s):
There are numerous extra-curricular based campaigns on campus from Registered Student Organizations like MASSPIRG (Ban the Bottle), to SUMAC/Sustainable UMass Action Coalition (Anti-Fracking Campaigns) to the UMass Fossil Fuel Divestment Campaign, to curricular and co-curricular based campaigns such as the Eco Rep Program, Fellowship Program, Sustainability Student Steering Committee, the Permaculture Initiative, and the Real Food Challenge.

One of the major aspects of the Eco-Rep Program is teaching the students in the program to develop and run their own campaigns on issues surrounding sustainability. Over the past 4 semesters the program has involved over 400 students and has reached out consistently to the undergraduate class. Many Eco-Reps go onto serve in other sustainable related campaigns that are listed above.

Sustainable UMass has done many outreach campaigns, one of the most prominent examples is the sustainable move-out campaign which will be expanding in 2014 to include a campus wide Reuse Tag Sale in the fall.

SUMAC and the UMass Fossil Fuel Divestment Campaign (launched 2012) has recently been successful in having a divestment campaign supported and signed by the Student Government Association President as well as the Vice Chancellor of Student Affairs, and most recently has received a commitment from the UMass System Foundation that they are willing to set up a Committee on Socially Responsible Investing.

The Real Food Challenge has developed into a 20-30 student co-curricular internship program that gives students the opportunity to not only run the RFC calculator for Auxiliary Services food audit but to learn in a collaborative setting about building more local and regional food system options for UMass and it's food suppliers.

In 2013 the Student Steering Committee reformed under the leadership of the Campus Sustainability Manager with a new task to help implement the new Sustainability Innovation and Engagement Fund by reviewing and ranking each proposal as well proposing their own ideas to the fund.
A brief description of the measured positive impact(s) of the campaign(s):


UMass Fossil Fuel Divestment Campaign: Foundation creating a Committee on Socially Responsible Investments (2014)

The Common Read for the 5,000 incoming freshman for the class of 2017 was "No Impact Man" and hosted author Colin Beavan for the First Year Student Convocation in the Fall of 2013 and again as a guest on campus in October.

Permaculture Committee: There are now four Permaculture Gardens on campus and a very active local food network of students who are impacting the movement on a regional scale.

Real Food Challenge: The Chancellor has signed the Real Food Challenge, making UMass the largest campus dining program in the country to sign on.

Student Massachusetts Chapter of the USGBC: Just formed

Eco-Rep Program and Fellowship Program: Electricity consumption and waste has decreased total and per student over the last 3 years despite a growing occupancy rate each semester and less access to fellow residents due to safety measures in the residence halls. Waste diversion ranks in the top 3 percent compared to other state communities. The Sustainable Move Out diverted 110 tons of waste from being disposed of improperly.

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

https://www.umass.edu/sustainability/
Sustainability in New Student Orientation

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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:

Sustainable UMass (Eco-Rep Program, Fellowship Program, Permaculture Initiative) is present at all New Students Orientations and Open Houses in the spring, summer, and fall. It holds information sessions for the new students to talk to them about sustainability and how they can get involved here on campus.

In Fall 2013, NSO was completely sustainability themed and partnered with Sustainable UMass to hold sustainability discussions around the common read which was selected as "No Impact Man."

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

http://www.umass.edu/newstudent/fall/commonreading/
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:

Re branded and launched in October 2013, Sustainable UMass website features ways for the campus community and beyond to "Learn It, Live It, and Lead It!"

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

https://www.umass.edu/sustainability/
Does the institution have a sustainability newsletter?:
Yes

A brief description of the sustainability newsletter:
The Sustainability Newsletter is published several times a year and is sent to a growing list of faculty, staff, students, and alumni.

The website URL for the sustainability newsletter:
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Does the institution have a vehicle to publish and disseminate student research on sustainability?:
Yes

A brief description of the vehicle to publish and disseminate student research on sustainability:
The campus-wide Research Next website is the go-to online gateway for highlighting student and faculty research through the energy and environment gateways.

The website URL for the vehicle to publish and disseminate student research on sustainability:
http://www.umass.edu/researchnext/gateway/energy-and-materials

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

A brief description of building signage that highlights green building features:
Any new construction is required to build to LEED standards and has signage to highlight sustainable features that will be part of the project. There are over 50 Certified Green Offices across campuses and each one has a plaque indicating its participation and level of certification at the front desk of each office.

The website URL for building signage that highlights green building features:
http://www.umass.edu/fp/projectmanagement/constructioninformation/

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

A brief description of food service area signage and/or brochures that include information about sustainable food systems:
Auxiliary Services, which oversees all campus dining halls and restaurants produces signage and brochures about sustainable food systems, composting, purchasing, and other initiatives. Signage and brochures can be found in the dining halls, restaurants, and at the Franklin Permaculture Gardens, as well as on line.

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

http://www.umassdining.com/sustainability

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

No

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

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

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

Yes

A brief description of the sustainability walking map or tour:

The official campus guides who provide tours for all campus visitors highlight sustainability efforts and buildings as part of the tour.

The Sustainable UMass Sustainability Explorer Interactive Map tool is available to the public and is constantly updated by Campus Planning and the Green Building Researcher student team.

The website URL of the sustainability walking map or tour:

http://maps.umass.edu/apps/sustainability/cse/

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:

UMass Amherst Parking Services Commuter Options Program website informs students, faculty, and employees about various transportation methods. It is a website that has links and information about various transportation options, including:

NuRide (Rewards Program)
Car Sharing (WeCar and ZipCar)
Carpooling
Occasional Parking Permit
Ridematching
Clean Vehicle Permit
UMass Transit
Bicycle Commuter Program
Vanpool
Park and Ride
MassRides Emergency Ride Home

The website URL for the guide for commuters about how to use alternative methods of transportation:
http://parking.umass.edu/index.php/generalinfo/commuteroptionsprogram/

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

A brief description of the guide for green living and incorporating sustainability into the residential experience:
Residential Life and Admissions Office in collaboration with Sustainable UMass created a Model Green Residence Hall room and website in summer 2013. Every prospective student and parent visits this room on campus tours.

The website URL for the guide for green living and incorporating sustainability into the residential experience:
http://www.umass.edu/sustainability/green-campus/model-green-residence-hall-room

Does the institution have regular coverage of sustainability in the main student newspaper (either through a regular column or a reporter assigned to the sustainability beat)?:
No

A brief description of regular coverage of sustainability in the main student newspaper, either through a regular column or a reporter assigned to the sustainability beat:
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The website URL for regular coverage of sustainability in the main student newspaper, either through a regular column or a reporter assigned to the sustainability beat:
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Does the institution produce another sustainability publication or outreach material not covered above? (1st material):
Yes

A brief description of this material:
The college of Natural Science regularly publishes sustainability stories and information on their website and in their newsletter.
The website URL for this material:
http://www.cns.umass.edu/

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

A brief description of this material:
The UMass Office of News & Media Relations also regularly reports on sustainability initiatives and achievements

The website URL for this material:
http://www.umass.edu/newsoffice/archive

Does the institution produce another sustainability publication or outreach material not covered above? (3rd material):
No

A brief description of this material:
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The website URL for this material:
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Does the institution produce another sustainability publication or outreach material not covered above? (4th material):
No

A brief description of this material:
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The website URL for this material:
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Does the institution produce another sustainability publication or outreach material not covered above? (5th material):
No

A brief description of this material:
Does the institution produce another sustainability publication or outreach material not covered above? (6th material):

No

A brief description of this material:


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

No

A brief description of this material:


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

No

A brief description of this material:


The website URL for this material:
Student Group

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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

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

The name and a brief description of each student group:
The Sustainable UMass Action Coalition (SUMAC) is a new student group on campus that is invested in precipitating interest within the community about issues of environmental sustainability. SUMAC is the student voice for sustainability on campus, providing information and a forum for discussion of sustainable initiatives. This group is dedicated to the research, education, and support essential to resolving issues of environmental sustainability on the UMass campus and in the surrounding communities. We hope to play an active role in making UMass a leader in sustainability.

List up to 4 notable recent activities or accomplishments of student group(s):
1. Fossil Fuel Divestment Campaign got Foundation to commit to create a Committee on Responsible Investments
2. Student Farming Enterprise, Garden Share, and Permaculture Initiative established a new farmers market serving campus community every Friday
3. SGA helped ban plastic bags in all retail dining locations
4. UMass Student Food Advocates got Chancellor to sign Real Food Challenge

List other student groups that address sustainability:
SGA, MASSPIRG, UMass Green Building Council, Garden Share, Net Impact, Bike Co-Op, Earth Foods, etc..

The website URL where information about student group(s) is available:
https://www.umass.edu/sustainability/get-involved/student-groups
Organic Garden

Responsible Party
Rachel Dutton
Sustainability Coordinator
Auxillary Services

Submission Note:
Permaculture Initiative:
http://www.umassdining.com/sustainability/permaculture

Franklin Garden:
http://www.umassdining.com/sustainability/permaculture/franklin-permaculture-garden

Worcester:
http://www.umassdining.com/sustainability/permaculture/worcester-herb-garden

Berkshire:
http://www.umassdining.com/sustainability/permaculture/class-2012-berkshire-permaculture-garden

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

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

A brief description of the garden:
The UMass Permaculture Initiative is a unique and cutting-edge sustainability program that converts underused grass lawns on the campus into edible, low-maintenance, and easily replicable gardens. This initiative was created by students and then adopted and funded by our administration in 2010. Students and permaculture staff work together along with UMass Dining Services, the Campus Sustainability Initiative, and many other departments to demonstrate the vision of what a sustainable community and world can look like.

There are now four Permaculture Gardens on campus:
1. Franklin Permaculture Garden

Location: Franklin Dining Commons

Groundbreaking: Fall semester 2010
The Story: The UMass Permaculture Initiative, with help from student and local volunteers, embarked on the arduous mission to transform the otherwise unproductive grass lot adjacent to Franklin Dining Commons on campus into a highly productive, aesthetically pleasing, educational, sustainable garden.
2. Worcester Herb Garden

Location: Worcester Dining Commons

Groundbreaking: Summer 2011
The Story: Chef Don Sabola started the Worcester Herb Garden in 2009 to have a fresh source for herbs right outside the Worcester Dining Commons. In 2011 after our first sheet mulch of the Franklin Permaculture Garden, the Worcester Herb Garden was given to us to transform and maintain. For this garden, the UMass Permaculture Initiative worked with UMass Dining staff to develop a dynamic herb garden adjacent to the Worcester Dining Commons. The site was designed with chefs’ needs in mind, is easy to harvest by dining staff, is aesthetically pleasing, and improves ecological diversity.

3. Class of 2012 Berkshire Permaculture Garden

Location: Berkshire Dining Commons

Groundbreaking: Fall 2011

The Story: The Class of 2012 Berkshire Permaculture Garden is our newest on-campus garden, generously funded by the Class of 2012 Senior Class Gift Fund. Before we did any work on the site, we observed signs of compaction, erosion, and nutrient depletion in the soils. We’re now in the process of converting this formally-neglected site into an ecological haven with rich, fertile soil and lots of biodiversity.

4. Chancellor's House Garden

The website URL where information about the garden is available:
http://www.umassdining.com/sustainability/permaculture/our-gardens
Model Room in a Residence Hall

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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

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

A brief description of the model room:

In August of 2013, Sustainable UMass, Residential Life, and Admissions partnered to establish the model green room in Knowlton 112 in the Northeast Residence Area. This room is also the model room that is used for all campus tours so thousands of families and potential students see this room each year. This project was originally proposed by a student in a Resource Economics class who wanted to help the University achieve a higher STARS score and build awareness amongst the student body for how to live greener on campus. The proposal was approved by the Residential Life Director in May of 2013 and opened in August.

The website URL where information about the model room in the residence hall is available:
http://www.housing.umass.edu/living/your_sustainable_room.html
Themed Housing

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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

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

Yes

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

The Sustainability RAP (Residential Academic Program) offers students living in Mary Lyon Hall the opportunity to:

- Learn about crucial environmental challenges facing the world today and explore ways to address these challenges in your own life.

- Share living-and-learning experience with other students committed to understanding environmental issues and learning about how to be involved in opportunities for change.

- Engage with faculty leaders to discuss and identify ways to pursue your academic and/or career goals.

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

http://ualc.umass.edu/rap/completelistofraps/sustainabilityrap/

The total number of residents in themed housing:

20
Sustainable Enterprise

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

Submission Note:

Other student enterprises that are sustainable also includes Earth Foods (http://www.umass.edu/rso/earthfds/).

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

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

A brief description of the enterprise:

For over 35 years, the People's Market has been a student-run collective that provides the UMass Amherst campus with conscientiously purchased, natural foods. Students who work for the People's Market gain sustainable business skills. They have a strong commitment to providing customers with food products from socially and environmentally responsible companies.

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

http://www.umass.edu/rso/peoples/
Sustainability Events

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

"---" 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):

Yes, UMass holds major events with a focus in sustainability multiple times a year in the fall and spring. Each year UMass holds campus wide Earth Day events in the spring and Campus Sustainability Day events in the fall.

Other events includes seminar series such as "Designing for sustainability in the Built Environment." The seminar series discussed the difficulties and solutions when constructing energy efficient classrooms and laboratories at a public institution. The seminar series kicked off a campus-wide dialogue about these exciting and far-reaching projects. Each panel discussion featured facilities planning/design professionals and a University of Massachusetts Amherst academic researcher.

We also co-sponsored a lecture series in Spring 2011 that included Naomi Oreskes (Climate Change), Kert Davies (Gulf Oil Spill), Jerry Melillo (Global Land Use patterns) and Nat Tripp (Connecticut River).

Sustainable UMass, the Earth Day Committee, the Permaculture Initiative, and Student Affairs have recently brought (or are planning to bring) the following speakers to campus over the past two years:

Past:
Charles Mann (March 2012)
Robert F. Kennedy Jr. (Earth Day 2012)
Francis Moore-Lappe (June 2012)
Van Jones (October 2012)
Bill McKibben (April 2013) *cancelled due to Boston Marathon Bombings
Annie Leonard (Earth Day 2013)
Majora Carter (June 2013)
Colin Beavan (September and October 2013)

Scheduled:
Dr. Robert Bullard (Earth Day 2014)

The website URL where information about the event(s) are available:
https://www.umass.edu/sustainability/news-events/upcoming-events
Outdoors Program

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

"---" 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:

Since 1922 the UMass Outing Club has been organizing events for students by students. Events range from hiking, climbing, canoeing, kayaking, skiing, and caving.

The website URL where information about the program is available:

http://www.umass.edu/rso/outingclub/
Themed Semester or Year

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

"---" 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:

For academic year 2013-2014, all incoming new students were asked to read the book, No Impact Man, and the author, Colin Beavan, addressed all students at the First-year Student Fall Convocation as well as revisited campus during the semester in October.

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

No Impact Man by Colin Beavan

The website URL where information about the theme is available:
http://www.umass.edu/newstudent/fall/commonreading/
## 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

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</table>
Sustainability Course Identification

Responsible Party

Craig Nicolson
Director of Sustainability Programs
Environmental Conservation

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.

Submission Note:

The URL above lists only our currently offered courses and courses in the upcoming semester and has search functionality for students to find courses by particular sustainability themes.

The original full inventory we compiled on which the data are based (multiple semesters) is at [http://www.umass.edu/green/study.php](http://www.umass.edu/green/study.php)
Has the institution developed a definition of sustainability in the curriculum?:
Yes

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

We begin with the widely accepted definition of one aspect of sustainability given by the 1987 Brundland Commission. The Commission defined sustainable development as "forms of progress that meet the needs of the present without compromising the ability of future generations to meet their needs."

Building on this, we use the American Association for Sustainability in Higher Education (AASHE) definition, which incorporates the economic, social and environmental elements of sustainability into its definition; the so-called “three-legged stool.”. The relationship between these three elements must be properly managed to ensure the long-term viability of our communities and, by extension, the planet.

Sustainability-focused courses explore a broad range of sustainability topics, or select one area to investigate in depth; they may also “approach an issue or topic using sustainability as a lens.” On the other hand, sustainability-related courses include one or more elements from this list as a discrete element in the course. Courses do not have to meet all the criteria established above in order to be classified as either sustainability-related or sustainability-focused.

Using the definitions provided above as a guide, we offer the following criteria for assaying sustainable curricula.

Courses designated as sustainability-related or sustainability-focused may contain the following elements:

- Integration of basic and applied knowledge from multiple disciplines, including the natural and social sciences, to analyze human-environment interactions;
- Analysis of the tradeoffs or co-benefits involved in managing resources for the social, economic, and environmental welfare of current and future generations;
- Development of alternative strategies for the use of natural, human, and fiscal resources that are compatible with the constraints on these resources;
- Implementation of practical solutions to socioeconomic and environmental challenges, including those that relate to energy, technology, ecosystems, social transformations, food systems, policy, and governance.

Students that successfully complete sustainability-related or sustainability-focused courses develop the ability to:

- Use and integrate knowledge and skills drawn from several disciplines;
- Understand how sustainability applies to their major, chosen career path, and everyday life;
- Apply scientific expertise to create sustainable solutions, technology, and applications;
- Communicate sustainability’s essential elements;
- Promote sustainable communities on and beyond the University's campus.

Due to the shifting nature of sustainability issues, those linked to sustainability should be prepared to adapt continually. We therefore conduct a periodic reassessment of our definitions and learning outcomes.
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:
We developed language (see definition of sustainability above) to decide which courses at the University counted as sustainability-focused or sustainability-related. We canvassed every department head of the university and asked them to identify the courses in their programs that fit these definitions. The results from all the departments with sustainability courses were then compiled into a master database.

On an ongoing basis, each semester we review the available course offerings from a set of departments which offer sustainability-related and -focused courses and make a list of these courses publicly available.

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

The website URL where the sustainability course inventory is posted:
http://www.umass.edu/sustainability/class-list
Sustainability-Focused Courses

Responsible Party

Craig Nicolson
Director of Sustainability Programs
Environmental Conservation

Criteria

Institution offers sustainability-focused academic courses.

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

Submission Note:

We focus on undergrad courses for our tally of sustainability and total courses. UMass undergrad courses are numbered 100-599. We count each COURSE only once per semester (our database distinguishes between CLASS sections and the PRIMARY lecture or seminar with which those sections/labs/discussions are associated). To eliminate cross-listed courses we include only courses with unique titles. We do not include Continuing Ed courses, as specified in the STARS standards.

Our data for this present submission covers the 2 semesters of 2013 (ie Spring 2013 and Fall 2013). There are 1671 unique courses at 500-level or below offered in Fall 2013. We do not have a full course listing available for Spring 2013, and therefore assume that the total number of unique courses offered is roughly the same for SPRING and FALL semesters. Total courses is therefore 1671*2 = 3,342.

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

The number of sustainability-focused courses offered:

107

The total number of courses offered:

3,342

Number of years covered by the data:

One

A list of sustainability-focused courses offered:

A copy of our hardcopy list of all sustainability classes is uploaded to this STARS data reporting page (see below)

We have also developed a dynamic-database-driven website which interfaces directly with our campus data system ("SPIRE") and allows students to search for sustainability classes by different categories, but we do not differentiate in this dynamic online list between sustainability-related and sustainability-focused courses since our students have told us these are not useful categories to them.
http://www.umass.edu/sustainability/class-list

The website URL where the publicly available sustainability course inventory that includes a list of sustainability-focused courses is available:
http://www.umass.edu/sustainability/class-list

A copy of the sustainability course inventory:
SustainabilityCourseMasterlist-2013.pdf
Sustainability-Related Courses

Responsible Party

Craig Nicolson
Director of Sustainability Programs
Environmental Conservation

Criteria

Institution offers sustainability-related academic courses.

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

Submission Note:

see notes to ER-6

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

The number of sustainability-related courses offered:

109

The total number of courses offered:

3,342

Number of years covered by the data:

One

A list of sustainability-related courses offered:

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We have also developed a dynamic-database-driven website which interfaces directly with our campus data system ("SPIRE") and allows students to search for sustainability classes by different categories, but we do not differentiate in this dynamic online list between sustainability-related and sustainability-focused courses since our students have told us these are not useful categories to them.

http://www.umass.edu/sustainability/class-list
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:

SustainabilityCourseMasterlist-2013.pdf
Sustainability Courses by Department

Responsible Party

Craig Nicolson
Director of Sustainability Programs
Environmental Conservation

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:
29

The total number of departments that offer courses:
55

A list of departments that offer sustainability courses:

Anthropology
Art, Architecture & Art History
Biology
Center for Public Policy and Administration
Chemistry
Civil & Environmental Engineering
Communication
Economics
Environmental Conservation
Finance
Food Science
Geosciences
History
Hospitality & Tourism Management
Landscape Architecture & Regional Planning
Legal Studies
Management
Marketing
Mechanical & Industrial Engineering
Microbiology
Nutrition
Physics
Political Science
Public Health
Resource Economics
School of Management
Sociology
Stockbridge School of Agriculture
University Without Walls

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

http://www.umass.edu/sustainability/courses

A copy of the sustainability course inventory:

SustainabilityCourseMasterlist-2013.pdf
Sustainability Learning Outcomes

Responsible Party
Craig Nicolson
Director of Sustainability Programs
Environmental Conservation

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.

Submission Note:

In this 2014 Data Collector submission, we're counting all students who received a Bachelors or Associates degree from a program that included required courses which have at least one of the listed sustainability learning outcomes (or has them for the program as a whole, for those with publicly listed Learning Outcomes).

Data are taken from the OIR Dept Profiles | Campus Detail | Degrees Awarded for 2011/12 (most recent year of data available).

and other data taken from the OIR Factsheet:

http://www.umass.edu/oupa/publications/factsheets/degrees/FS_de_02b.pdf

The file uploaded doesn't duplicate listing all the courses (see lists in ER-6 and ER-7), but instead lists the undergrad degree programs with sustainability focus.

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

The number of graduates covered by the sustainability learning outcomes:
2,340

Total number of graduates:
5,264

A list of degree programs that have sustainability learning outcomes:

Anthropology
Arboriculture & Community Forest Management (Associate’s Degree)
Architecture
Art History
Bachelor's Degree with Individual Concentration (BDIC) (B.A., B.S.)
Biology (B.A., B.S.)
Building & Construction Technology
Chemistry
Civil Engineering
Communication
Earth Systems
Economics
Environmental Design
Environmental Science
Food Science
Geography (B.A., B.S.)
Geology (B.A., B.S.)
History
Hospitality & Tourism Management
Landscape Architecture
Landscape Contracting (Associate's Degree)
Management
Marketing
Mechanical Engineering
Microbiology (B.A., B.S.)
Natural Resources Conservation
Nutrition
Physics (B.A., B.S.)
Plant, Soil & Insect Sciences
Political Science
Public Health Sciences
Resource Economics
Social Thought and Political Economy
Sociology
Sustainable Food and Farming (Associate's Degree and B.S.)
Sustainable Horticulture (Associate's Degree and B.S.)
University Without Walls (B.A., B.S.)

Environmental Conservation (*grad prog, not counted in total)
Fish Passage Engineering Ecohydrology (*grad prog, not counted in total)
Geosciences (*grad prog, not counted in total)
Green Building Professional Masters (*grad prog, not counted in total)
Public Policy and Administration (*grad, environmental policy specialization, not counted)
Sustainability Science (*grad prog, not counted in total)

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://www.umass.edu/sustainability/academics/majors
A copy of the sustainability course inventory:
Sustainability Programs for ER-9.pdf

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

Students who successfully complete the MS in Sustainability Science will graduate with the following knowledge and skills:

Knowledge: Students will…
o understand the theories and definitions of sustainability (i.e. historical and current theorizing about the interplay between "people, planet and profits")
o understand the key principles of assessing ecosystem services;
o grasp the broad historical contours of the industrial revolution, the scientific-technological revolution, and urbanization;
o be familiar with the thought of at least 4 seminal thinkers in the arena of sustainability
o recognize the ethical, social and environmental consequences of environmentally-relevant technologies.
o develop in-depth understanding of their particular concentration (Sustainable Food Systems and Agriculture; Water Sustainability; Urban Sustainability; and Environmental Quality)

Skills: Students will demonstrate competence in…
o systems analysis (the ability to identify the interrelated environmental, economic, social and policy dimensions of a given environmental challenge);
o explaining the linkages between ecosystem services, economic prosperity, and human/cultural flourishing;
o carrying out quantitative analyses of sustainability (data gathering, holistic life-cycle costing, energy/carbon accounting)
o applying course knowledge and theory to real-world problem-solving
o communicating both within and outside their field (writing, oral presentation, and internet-based communication)
o project management skills
Undergraduate Program in Sustainability

Responsible Party

Craig Nicolson
Director of Sustainability Programs
Environmental Conservation

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

The website URL for the program (1st program):
http://www.umass.edu/ug_programguide/envsci.html

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

The website URL for the program (2nd program):
http://www.umass.edu/larp/environmental_design/

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

The website URL for the program (3rd program):
http://eco.umass.edu/index.php/degree-programs/undergraduate-programs/

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

Graduate Program in Sustainability

Responsible Party

Craig Nicolson
Director of Sustainability Programs
Environmental Conservation

Criteria

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

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

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

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

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

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

The website URL for the program (1st program):
http://eco.umass.edu/degree-programs/sustainability-science-masters/

The name of the sustainability-focused, graduate-level degree program (2nd program):
Master of Science and PhD in Environmental Conservation

The website URL for the program (2nd program):
http://eco.umass.edu/degree-programs/graduate-programs/

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

The website URL for the program (3rd program):
http://www.geo.umass.edu/programs/grad.html
The name and website URLs of all other sustainability-focused, graduate-level degree program(s):
### Sustainability Immersive Experience

#### Responsible Party

**Craig Nicolson**  
Director of Sustainability Programs  
Environmental Conservation

#### 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:

The Sirius EcoVillage Immersion Program in Shutesbury, Mass. is a 15 minute drive from campus and offers a unique experience to those who are interested in community living, permaculture, natural building, ecovillage life, and exploring a spiritual practice. Participants learn sustainable approaches to living and working in the material world through a hands-on work gardening and green building practicum each morning (5 days per week), sustainability classes in the afternoon, and engaging with community members and/or quiet time during the evening. Thursday nights are weekly community meetings which entail census decision making and non-violent conflict resolution strategies.

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

http://www.siriuscommunity.org/immersion-program/
Sustainability Literacy Assessment

Responsible Party

Craig Nicolson
Director of Sustainability Programs
Environmental Conservation

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.

Has the institution conducted a sustainability literacy assessment?:
Yes

Did the assessment include a baseline evaluation of students and then a follow-up evaluation of the same cohort?:
No

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:
Update...

A brief description of how the assessment was administered:
Update...
A brief summary of results from the assessment:

Update...

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

---
Incentives for Developing Sustainability Courses

Responsible Party

Elena Sharnoff
Director of Communications, CNS
College of Natural Sciences

Criteria

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

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

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

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

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

Yes

A brief description of the program(s):

Both the College of Natural Sciences and the Library have mini-grant programs for faculty who want to develop courses related to sustainability. The purpose of the College of Natural Sciences (CNS)' mini-grant program is to provide funds to CNS faculty who wish to pursue opportunities to increase their effectiveness as a researcher or instructor. The goal of the program is to improve the quality of research and teaching within the College. For academic years 2011-2013, CNS has a particular focus on supporting courses related to sustainability.

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

Small grants, typically ranging from $500 to $1500, will be awarded on a competitive basis for proposals supporting the stated purpose and goal.

The website URL where information about the program is available:

http://www.cns.umass.edu/faculty/cns-teaching-mini-grants
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.

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<tr>
<td>Interdisciplinary Research in Tenure and Promotion</td>
</tr>
</tbody>
</table>
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:
Sustainability research at UMass Amherst addresses the integration of environmental, economic, energy and cultural components, and supports projects and perspectives that have positive impacts on future resources, ecosystem health, and human wellbeing.

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

A brief description of the methodology the institution followed to complete the inventory:
We surveyed all departments involved in sustainability research, and compiled brief "research interest" summaries for every faculty member engaged in sustainability research. We then categorized these faculty in terms of 8 particular focal areas related to sustainability (see drop down list on our *Faculty Experts* website for which the URL is listed below).

The resulting list of faculty and their expertise is maintained in a database and is made publicly available at the website listed below.
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://www.umass.edu/researchnext/experts
Faculty Engaged in Sustainability Research

Responsible Party

Karen Hayes
Director, Strategic Communications and Outreach
University Relations

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.

Submission Note:

Period used was FY10 - FY12 (in order to average three years of actual active research awards). We also had a prior list of 283 researchers broadly engaged in "environmental" research, but by our current definition for "sustainability research", not all of these 283 are actively doing integrative sustainability research or community-engaged scholarship. We removed all non-sustainability researchers from the list of 283 (our TEI database) and merged the resulting list with our inventory of active awards for the 3-yr period. In total, 232 faculty were doing sustainability research.

Total # tenured/tenured track faculty during that same 3-yr period averaged 993. See http://www.umass.edu/oapa/publications/factsheets/employees/FS_emp_02.pdf

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

The number of faculty members engaged in sustainability research:

232

The total number of faculty members engaged in research:

993

Names and department affiliations of faculty engaged in sustainability research:

Aelion, Marjorie | Public Health
Ahern, Jack | Landscape Architecture and Regional Planning
Ahlfeld, Dave | Civil & Environmental Engineering
Allen, Geoffrey | Resource Economics
Alpert, Peter | Biology
Anderson, Neal | Electrical and Computer Engineering
Arcaro, Kathleen | Veterinary and Animal Sciences
Arwade, Sanjay | Chemical and Mechanical Engineering
DaCosta, Michelle | Stockbridge School
Damery, David | Building and Construction Technology
Danylechuk, Andy | Environmental Conservation
Dauenhauer, Paul | Chemical and Mechanical Engineering
DeAngelis, Kristen | Microbiology
Decker, Eric | Food Science
Deconto, Robert | Geosciences
DeGroot, Don | Civil & Environmental Engineering
Emrick, Todd | Polymer Science Engineering
Fan, Wei | Chemical Engineering
Fisette, Paul | Environmental Conservation
Floyd, Steven | Management
Ford, David | Chemical Engineering
Friedman, Lawrence | Polymer Science and Engineering
Fuentes-Bautista, Martha | Communications
Fuller, Todd | Environmental Conservation
Gal, Graham | Accounting
Gano, Gretchen | Center for Public Policy and Administration
Gaubatz, Piper | Geosciences
Geddes, Henry | Communications
Gerber, John | Stockbridge School
Glassberg, David | History
Gordon, Dan | History
Griffin, Curt | Environmental Conservation
Haas, Peter | Political Science
Hamin, Elisabeth | Landscape Architecture and Regional Planning
Hamin, Mark | Landscape Architecture and Regional Planning
Hanson, Jarice | Communications
Hardy, Douglas | Geosciences
Harper, Krista | Anthropology
Hart, Dave | Computer Science
Hashemi, Masoud | Stockbridge School
Hatch, Christine | Geosciences
Hayward, Ryan | Polymer Science Engineering
Hazen, Samuel | Chemical Engineering
Heim, Carol | Economics
Henson, Michael | Chemical and Mechanical Engineering
Herbert, Stephen | Center For Agriculture
Hird, John | Political Science
Holden, James | Microbiology
Hoque, Simi | Building and Construction Technology
Hsu, Shaw Ling | Polymer Science Engineering
Hyers, Robert | Mechanical and Industrial Engineering
Irwin, David | Electrical and Computer Engineering
Jackson, Scott | Environmental Conservation
Keene, Art | Anthropology
Kelty, Matthew | Environmental Conservation
Kittredge, David | Environmental Conservation
Knodler, Mike | Civil & Environmental Engineering
Kotz, David | Economics
Krupczynski, Joseph | Art, Architecture & Art History
Lackner, Matthew | Mechanical and Industrial Engineering
Lahti, Paul | Chemistry
Lass, Daniel | Resource Economics
Lavigne, Ronald | Stockbridge School
Lavoie, Nathalie | Resource Economics
Leatherman, Thomas | Anthropology
Leckie, Mark | Geosciences
Leschine, Susan | Veterinary and Animal Sciences
Letcher, Ben | Environmental Conservation
Lindhult, Mark | Landscape Architecture and Regional Planning
Lopes, John | Microbiology
Lovett, Laura | History
Lovley, Derek | Microbiology
Lugosch, Kathleen | Art, Architecture & Art History
Mabee, Steve | Geosciences
Mahoney, Raymond | Food Science
Mammen, Sheila | Resource Economics
Mangan, Frank | Stockbridge School
Mann, Ray | Art, Architecture & Art History
Manning, William | Microbiology
Manwell, Jim | Mechanical and Industrial Engineering
Maroney, Michael | Chemistry
Maroudas, Dimitrios | Chemical Engineering
McGarigal, Kevin | Environmental Conservation
McGirr, Patricia | Landscape Architecture and Regional Planning
McGowan, Jon | Mechanical and Industrial Engineering
Mednicoff, David | Center for Public Policy and Administration
Metz, Ricardo | Chemistry
Milman, Anita | Environmental Conservation
Modarres-Sadeghi, Yayha | Mechanical and Industrial Engineering
Montenegro-Menezes, Flavia | Landscape Architecture and Regional Planning
Morelli, Toni Lyn | Northeast Climate Science Center
Muthukumar, Murugappan | Polymer Science and Engineering
Nicolson, Craig | Environmental Conservation
Nislow, Keith | Environmental Conservation
Normanly, Jennifer | Biochemistry and Molecular Biology
Nusslein, Klaus | Microbiology
Oh, Haemoon | Hotel/Tourism Management
Pader, Ellen | Landscape Architecture and Regional Planning
Page, Max | Art, Architecture & Art History
Palmer, Rick | Civil & Environmental Engineering
Park, Chul | Civil & Environmental Engineering
Park, Mi-Hyun | Civil & Environmental Engineering
Parkash, Om | Stockbridge School
Perot, Blair | Mechanical and Industrial Engineering
Petsch, Steven | Geosciences
Picking, Deborah | Environmental Conservation
Pollin, Robert | Economics
Randhir, Tim | Environmental Conservation
Rawlins, Michael | Geosciences
Reckhow, David | Civil & Environmental Engineering
Rees, Paula | Water Resources Research Center
Renski, Henry | Landscape Architecture and Regional Planning
Rich, Steve | Microbiology
Rogers, Christine | Public Health
Roy, Allison | Environmental Conservation
Russell, Thomas | Polymer Science and Engineering
Ryan, Robert | Landscape Architecture and Regional Planning
Salvador, Rommel | Hotel/Tourism Management
Schmalzer, Sigrid | Social Thought and Political Economy Program
Schneid, Danny | Biochemistry and Molecular Biology
Schreiber, Stephen | Art, Architecture & Art History
Schweik, Charlie | Center for Public Policy and Administration
Shenoy, Prashant | Computer Science
Shetty, Kalidas | Food Science
Simkins, Stephen | Stockbridge School
Sleegers, Frank | Landscape Architecture and Regional Planning
Sluter, Donald | Geosciences
Soylu, Ceren | Economics
Spraggon, Donna | Resource Economics
Spraggon, John | Resource Economics
Stevens, Stan | Geosciences
Stevens, Tom | Resource Economics
Stranlund, John | Resource Economics
Tessler, Russel | Polymer Science Engineering
Thayumanavan, Thai | Chemistry
Tobiason, John | Civil & Environmental Engineering
Tuominen, Mark | Physics
Venkataraman, Dhandapani | Chemistry
Vicarelli, Marta | Economics
Vogel, Eve | Geosciences
wa Gathinji, Mwangi | Economics
Warren, Paige | Environmental Conservation
Watkins, James | Polymer Science Engineering
Weil, Benjamin | Building and Construction Technology
Whiteley, Andrew | Environmental Conservation
Woodruff, Jon | Geosciences
Wooldridge, William | Management
Yu, Qian | Geosciences
Yuretich, Richard | Geosciences

The website URL where the sustainability research inventory that includes the names and department affiliations of
faculty engaged in sustainability research is posted:
http://www.umass.edu/researchnext/experts

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

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:
http://www.umass.edu/researchnext/gateway/environment
Departments Engaged in Sustainability Research

Responsible Party

Karen Hayes
Director, Strategic Communications and Outreach
University Relations

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:
52

The number of academic departments in which at least one faculty member engages in sustainability research:
34

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

Accounting
Anthropology
Art, Architecture & Art History
Biochemistry and Molecular Biology
Biology
Center For Agriculture
Center for Public Policy and Administration
Chemical and Mechanical Engineering
Chemical Engineering
Chemistry
Civil & Environmental Engineering
Communication
Computer Science
Economics
Electrical and Computer Engineering
Environmental Conservation
Food Science
Geosciences
History
Hotel/Tourism Management
Kinesiology
Landscape Architecture and Regional Planning
Management
Marketing
Mechanical and Industrial Engineering
Microbiology
Physics
Political Science
Polymer Science and Engineering
Public Health
Resource Economics
Social Thought and Political Economy Program
Stockbridge School
Veterinary and Animal Sciences

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

http://www.umass.edu/researchnext/experts

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

---
Sustainability Research Incentives

Responsible Party

Karen Hayes
Director, Strategic Communications and Outreach
University Relations

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.

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:

We offer multiple Research Experiences for Undergraduate programs each summer, several of which focus on sustainability research. Examples include the Collaborative Undergraduate Research in Energy (CURE) program

http://www.chem.umass.edu/masscrest/reu/index.html

and the Five College Coastal and Marine Sciences program

http://www.fivecolleges.edu/sites/marine/internships/

. These are stipended programs.

ICONS. Students in our Interdisciplinary Concentrations in the Sciences (ICoNS) program are offered research mentorships by our tenure system professors. ICons has specific tracks for Renewable Energy, Clean Water and Climate Change.

http://www.cns.umass.edu/icons-program/
The website URL where information about the student research program is available:
http://www.umass.edu/ours/

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:

We hold faculty development workshops through The Environmental Institute (TEI). Also, the UMass Science and Technology Initiatives Fund, the the Commercial Ventures and Intellectual Property Technology Development Fund and the Creative Economy Initiatives Fund support UMass Amherst research and activities with high potential for discoveries and breakthroughs in areas important to the Commonwealth, including Clean Energy.


The website URL where information about the faculty research program is available:
http://www.umass.edu/researchnext/
Interdisciplinary Research in Tenure and Promotion

Responsible Party

Karen Hayes
Director, Strategic Communications and Outreach
University Relations

Criteria

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

Submission Note:

cluster proposals are listed here:
http://www.umass.edu/oapa/oapa/topics/proposals.php

"---" 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:

Since 2007 the campus has included "cluster hiring" as a regular part of its faculty hiring practices. These purpose of these is to hire faculty positions across academic departments for emerging, interdisciplinary opportunities. Cluster hires were part of the "Amherst 250 Plan" to support strategic faculty hires that will help maintain the campus as a nationally competitive public research university. Additionally, academic units across campus assess interdisciplinary research for tenure and promotion individually.

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

http://www.umass.edu/budget/250/
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

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</table>
Building Operations and Maintenance

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:

The University currently does not have any LEED O&M certified buildings nor sustainable building operations and maintenance guidelines or policies. However, our 2004 Campus Design Guidelines does have a chapter (10.1) "Responsible Use of Energy and Natural Resources." We do not feel that this chapter is sufficient enough for claiming square footage of buildings that fall under a operations and maintenance guideline or policy but this chapter does provide a foundation for efforts in creating a policy.

Total building space that meets "Eligible Buildings Criteria" comes from Ludmilla Pavlova and Jonathon Contract in Campus Planning/Space Asset Management. List was generated from and file export on 1/13/14 provided by Jonathan Contract from the Tririga Space and Asset Database.

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

Total building space that meets "Eligible Buildings Criteria":

11,401,341 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:

An electronic copy of the guidelines or policies:
Design_Guidelines10-04.pdf

The date(s) the policies or guidelines were adopted:
2004

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

Ezra Small
Sustainability Manager
Physical Plant

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

Submission Note:

All buildings constructed after 2008 were built to the LEED Silver minimum requirement.

New building space that meets "Eligible Buildings Criteria" comes from Ludmilla Pavlova and Jonathon Contract. List was generated from and file export on 1/13/14 provided by Jonathan Contract from the Tririga Space and Asset Database

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

New building space that meets "Eligible Buildings Criteria":

65,751 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:
0 Square Feet

New building space that is LEED Gold certified:
65,751 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:

An electronic copy of the guidelines or policies:
gbGuidelines.pdf

The date(s) the policies or guidelines were adopted:
June 2011

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

In September of 2004 UMass Amherst adopted Construction Design Guidelines that included a policy on Responsible Use of Energy and Natural Resources and specifically directed project teams to follow the LEED Rating System for new construction. As a user agency of the Massachusetts Division of Capital Asset Management (DCAM), UMass is required to meet all facility design and management policies guidelines adopted by the state. Under Executive Order 484 – Leading By Example: Clean Energy and Efficient Buildings, signed by Governor Patrick On April 18, 2007, all new construction and major renovation over 20,000 square feet must meet MassLEED Plus requirements, achieve 20% above the Mass Energy Code, or meet the Advanced Buildings energy criteria. In addition, UMass Amherst has made a commitment to achieve LEED-Silver or better, and has developed Green Building Guidelines that facilitate and streamline the LEED process and challenge the University with creative, resourceful and innovative strategies for sustainable buildings. UMass Amherst is also in the process of developing Building Operations & Maintenance Guidelines.

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:

New Construction that are occupied since 2011 are all LEED Gold Certified:

George N. Parks Minuteman Marching Band Building - LEED Gold

http://fcp.facil.umass.edu/building/building.php?bldgcode=696
UMass Amherst Police Station - LEED Gold

http://fcp.facil.umass.edu/building/building.php?bldgcode=693

College of Natural Sciences Research and Education Greenhouse - LEED Gold

http://fcp.facil.umass.edu/building/building.php?bldgcode=701

CHC, registered and expecting Gold Certification

Life Science Labs, registered and expecting Gold Certification, occupied in September 2013 and will be included in FY 2014

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

(In previous submission we included bldgs back to 2008, so had everything from Rec Center down to PVTA Transit. We excluded bldgs AFTER Parks from eligibility b/c they were registered but not yet certified: LSL, CHC)

Recreation Center
Central Heating Plant
Studio Arts Building
Integrated Science Building
PVTA Transit Facility
Indoor Air Quality

Responsible Party

Ludmilla Pavlova
Senior Facilities Planner
Campus Planning

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.

Submission Note:

This data is the Sum of Net Assignable Area and comes from Ludmilla Pavlova and Jonathon Contract. List was generated from and file export on 1/13/14 provided by Jonathan Contract from the Tririga Space and Asset Database.

"---" 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:

9,343,825 Square Feet

Total occupied building space:

9,343,825 Square Feet

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

The department of Environmental Health and Safety has an emergency call system for unusual and dangerous smells. Complaints can also be registered on the physical plant website in which EHS will take the complaint if there is a potential health risk. Audits of buildings are regularly done. All complaints are followed up on in a timely manner.

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

http://www.ehs.umass.edu/
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

Ezra Small
Sustainability Manager
Physical Plant

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:

This relates to our 2013 ACUPCC report submitted on 1/13/14.

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

The website URL where the GHG emissions inventory is posted:

http://rs.acupcc.org/ghg/2933/

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?:
No

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

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

If yes, please specify:
Compost and Recycling

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

Ezra Small
Sustainability Manager
Physical Plant

Criteria

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

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

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

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

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

Scope 1 and 2 gross GHG emissions, 2005:
166,618.70 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:
11,535

Non-residential/commuter full-time students, faculty, and staff members, 2005:
13,221

Non-residential/commuter part-time students, faculty, and staff members, 2005:
5,602

Scope 1 and 2 gross GHG emissions, performance year:
125,775 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:**

July 2012-June 2013

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

12,420

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

15,090

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

8,618

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

September 2012 - August 2013
Air Travel Emissions

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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

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

A brief description of the policies and/or programs:
The UMass Office of Information Technologies offers state of the art tele-conferencing services that are supported by the University and available to all learning and teaching uses. This technology cannot replace all institutional air travel but is promoted to faculty, staff, and researchers to optimize on campus resources that could act as an alternative to long distance air travel.

The website URL where information about the policies and/or programs is available:
http://www.oit.umass.edu/video-conferencing
Local Offsets Program

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

Submission Note:

Also to note: In Spring 2013, the Sustainable Living class calculated its carbon footprint, applied a dollar value to the carbon footprint, and raised the equivalent amount of funds through a crowdfunding site and donated those funds to the Eco-Rep Program.

http://www.umass.edu/sustainability/umass-amherst-sustainable-living-class-becomes-carbon-conscious

"---" 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:

The Stockbridge School of Agriculture has an partnership with the town of Amherst to plant 2,000 trees. Students receive academic credit and experience working with the town to help reduce greenhouse gas emissions through tree planting.

The website URL where information about the program is available:

Dining Services

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

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

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<td>Reusable To-Go Containers</td>
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</tbody>
</table>
Food and Beverage Purchasing

Responsible Party
Rachel Dutton
Sustainability Coordinator
Auxiliary Services

Criteria

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

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

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

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

Submission Note:
As participants of the Real Food Challenge, we are now using new, more in-depth and nationally standardized tools that help us more accurately report our percentage of food expenditures that meet one or more of the criteria for this credit. We now have an accurate baseline and we will be using these tools going forward.

"---" 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):
7

A brief description of the sustainable food and beverage purchasing program:
- Signed Real Food Challenge Campus Commitment
- One local farm (Joe Czajakowski Farm, just 2 miles from campus) brokers for additional local farms in order to allow UMass Dining to source as much local produce as possible. Because of this relationship we are able to source local produce from a consortium of about 20 local farms
- All seafood served through UMass Dining is certified sustainably sourced using Seafood WATCH guidelines
- 100% cage-free local, heirloom hard shell eggs
- We source produce from the UMass Student Farming Enterprise and our on-campus permaculture gardens in addition to our local farms
- Working to supply the dining commons with local vegetables using individually quick frozen (IQF) techniques to extend the time that we can supply local fruits and vegetables.
- We source free range turkeys from Diemand Farms located within 20 miles of campus.
- We have an agreement with our prime produce vendor that local and regionally sourced items should be used first before sourcing elsewhere.
- We source some free range local chicken within 250 miles from campus for use in Hampshire Dining Commons.

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

http://www.umassdining.com/sustainability/real-food
Trayless Dining

Responsible Party

Rachel Dutton
Sustainability Coordinator
Auxiliary Services

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

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

A brief description of the trayless dining program:
Trays are not available to use in any of the UMass Amherst Dining Halls. The trays were removed in 2009 and have not returned. Students have accepted the trayless dining very well.

List the year the program was started:
June 1, 2009

The overall percentage of meals served on campus that are trayless:
100

The percentage of meal plan meals served on campus that are trayless:
100

The percentage of retail facility meals served on campus that are trayless:
100

The percentage of conference meals served on campus that are trayless:
100

The website URL where information about the program is available:
Vegan Dining

Responsible Party

Rachel Dutton
Sustainability Coordinator
Auxiliary Services

Submission Note:

Info about vegan/vegetarian food at UMass is available on the website above via digital download.

"---" 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:

There is always a vegan as well as vegetarian options for every meal. There is a station in every dining hall where hot meals can acquired as well as an all day salad bar if the hot meal does not meet the student's liking.

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

http://www.umassnutrition.com/food-allergies
Trans-Fats

Responsible Party

Rachel Dutton
Sustainability Coordinator
Auxillary Services

"---" 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:
The University no longer uses any frying oil that contains trans-fats. The dining halls actively seeks food that is low in trans-fats or has none at all.

The website URL where information about the program, policy, or practice is available:
http://www.umassdining.com/sustainability/initiatives/health
Guidelines for Franchisees

Responsible Party

Rachel Dutton  
Sustainability Coordinator  
Auxillary Services

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

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

A brief description of the guidelines for franchisees:

All franchises in UMass Auxiliary’s retail dining locations are required to provide compostable to-go containers, cups, plates, bowls, etc. for all in-house prepared items. We are currently working with our franchises to provide only compostable containers and flatware in our retail locations over time. We do not allow the distribution of plastic bags. All napkins provided are made from recycled paper and are 100% compostable. Coffee stirrers provided are made of wood, not plastic.

The website URL where information about the guidelines is available:
http://www.umassdining.com/sustainability/initiatives/purchasing
Pre-Consumer Food Waste Composting

Responsible Party
Rachel Dutton
Sustainability Coordinator
Auxillary Services

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

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

A brief description of the pre-consumer food waste composting program:
All of our pre-consumer food waste is transported to a nearby farm for composting.

The overall percentage of meals for which pre-consumer scraps are composted:
100

The percentage of meal plan meals for which pre-consumer scraps are composted:
100

The percentage of retail facility meals for which pre-consumer scraps are composted:
100

The percentage of conference meals for which pre-consumer scraps are composted:
100

The website URL where information about the composting program is available:
PostConsumer Food Waste Composting

Responsible Party
Rachel Dutton
Sustainability Coordinator
Auxillary Services

"---" 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:
100% of postconsumer waste is composted in our Dining Commons and conferences are composted; our largest retail dining locations provide compost bins for food waste. We offer compostable to-go plates, cups, containers, and flatware.

The percentage of overall meals for which postconsumer composting is available:
90

The percentage of meal plan meals for which postconsumer composting is available:
100

The percentage of retail facilities for which postconsumer composting is available:
50

The percentage of conference meals for which postconsumer composting is available:
100

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

Responsible Party

Rachel Dutton
Sustainability Coordinator
Auxillary Services

"---" 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:
We recently began donated left over food to the UMass Chapter of the “Food Recovery Network”

http://www.foodrecoverynetwork.org/

The website URL where information about the food donation program is available:
http://www.umassdining.com/sustainability/initiatives/food-donation
Recycled Content Napkins

Responsible Party

Rachel Dutton
Sustainability Coordinator
Auxillary Services

"---" 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:

Made from 100% recycled fiber and a Bleach-free process.

The website URL where information about the purchasing is available:
Reusing Container Discounts

Responsible Party
Rachel Dutton
Sustainability Coordinator
Auxiliary Services

Submission Note:
Our retail dining locations also offer a $0.05 discount for each reusable bag students use instead of our disposable paper bags for their purchases.

"---" 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:
People's Market offers mugs with the market's tree logo printed on the side in white. You get a free coffee with purchase, and refills are discounted. Other mugs are also eligible for the discount at all retail dining locations and cafes on campus.

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):
Students on the meal plan are provided free reusable bags in September for our Grab 'n' Go lunches - we no longer provide plastic bags for these meals.

The website URL where information about the reusable mug discount program is available:
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:
While we do not offer a reusable to-go container program, we do distribute reusable water bottles and to-go bags to students, as well as sell reusable coffee mugs. Students who bring reusable coffee mugs to retail dining locations and cafes also receive a discount.

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.

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Building Energy Consumption

Responsible Party

Ludmilla Pavlova
Senior Facilities Planner
Campus Planning

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:

Our campus began benchmarking this in response to Massachusetts Executive Order 484, and our baseline year for comparison is 2004. Although our total energy building consumption has gone up since then, it dropped considerably in FY05 and FY06 after implementation of our energy savings plan (assisted by Johnson Controls).

v1.1 Provisional Data: (2/8/13)
Total building energy consumption, performance year: 423,032.0 MMBTU
Building space, performance year: 10,816,968.0 GSF
List the start and end dates of the energy consumption performance year: July 2010 - June 2011

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

Total building energy consumption, 2005:
429,310 MMBtu

Building space, 2005:
9,911,029 Gross Square Feet
Total building energy consumption, performance year:
430,090 MMBtu

Building space, performance year:
11,401,341 Gross Square Feet

List the start and end dates of the energy consumption performance year:
July 2012 - June 2013
Clean and Renewable Energy

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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:

See internal notes for data methodology.

"---" 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:

54 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:

316,508 MMBtu

Total energy consumed during the performance year:

430,090 MMBtu

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

---

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:

http://www.umass.edu/sustainability/green-campus/award-winning-central-heating-plant

The website URL where information about the institution's renewable energy sources is available:
https://www.umass.edu/livesustainably/projects/solar-array-umass-research-farm
Timers for Temperature Control

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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

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

A brief description of the technology used:

Most of the buildings on campus are controlled by a Building Automation System in a coordinated web accessible campus architecture which uses scheduling for temperature setbacks during unoccupied times.

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

The website URL where information about the practice is available:
---
**Lighting Sensors**

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**Responsible Party**

Ezra Small  
Sustainability Manager  
Physical Plant

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"---" 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:

Room by room occupancy sensors, specifically motion and infrared, for HVAC and lighting are used throughout campus in multiple buildings, particularly the newer buildings.

The percentage of building space with lighting sensors:

---

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

---
LED Lighting

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

"---" 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 University has engaged in a number of LED conversion programs over the last three to four years. In 2011, all of the traffic lights on campus were converted to LED's and in 2013 the campus ordered over 1,000 LED's from the leading by Example Department of Energy Resources LED Replacement Bulb Project. These bulbs have been installed throughout campus in auditoriums, campus center, Fine Arts Center, academic classroom building lobbies, and administration buildings.

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:

https://www.umass.edu/sustainability/green-campus/led-light-bulb-replacement-project
Vending Machine Sensors

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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

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

A brief description of the technology used:

For all beverage machines, UMass partners with Coca-Cola and all of their machines on campus have sensors to conserve energy.

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

Ezra Small
Sustainability Manager
Physical Plant

"---" 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:

Johnson Controls Metasys is the name of the building automation system and is used along with individual building steam water and electric meters.

"Metasys is the most comprehensive building management system available today. It provides the essential instrumentation and control you need to coordinate, regulate and manage your building systems."

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

---

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:

http://www.makeyourbuildingswork.com/case-studies/university-massachusetts-amherst/
Energy Metering

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

"---" 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:

Orifice plates and multivariable transmitters are used for steam metering. Square D powerlogic power meter meters the electricity. Natural gas is metered at the central heating plant. This is done for most of the buildings on campus.

The percentage of building space with energy metering:
---

The website URL where information about the metering system is available:
http://www.umass.edu/physicalplant/utilities/index.html
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

Ezra Small
Sustainability Manager
Physical Plant

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:
1,400 Acres

The size of campus grounds that are maintained in accordance with a four-tiered IPM plan:
1,400 Acres

A brief description of the IPM plan(s):

The University of Massachusetts Extension Integrated Pest Management (IPM) Program is a systems-oriented educational program that involves an interdisciplinary approach to ecosystem management, agricultural crop production and community pest management. This approach incorporates mechanisms for accurate estimation of both pest and beneficial insect populations, includes both economic and environmental cost and benefit assessments, and prescribes a combination of strategies for control of pest problems.

The goal of the program is to provide research-based information, education, and cost effective techniques for growers, grounds managers, and others to use in producing high yields of quality products, and to help maintain crops, landscapes, schools or other structures while reducing potential adverse effects on human health and the environment. A further goal is to enhance adoption of IPM practices by the greatest possible number of users and aid in the development of private-sector IPM services.

The website URL where information about the IPM plan(s) is available:
http://www.umass.edu/umext/ipm/index.html
Native Plants

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

Submission Note:

The campus does not have documentation of where all of the native plantings are other than each new construction project. However, according to the Landscape Architect on campus, Brock Cutting, he claims that at least 50% of the shrubs on campus are native, especially where we have installed rain gardens and other plantings around the campus center. Conversation took place on 1/16/14.

"---" 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:

UMass Landscape Management has put together a palate of native plants that are not only native but resistant to drought. When new projects arise we choose from that palate. Each new construction project on campus meets at least a LEED Silver rating and the Green Building Guidelines for UMass have identified the "Water Efficient Landscaping" credit as "High Priority" and "easy Feasibility" for UMass to pursue.

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

Wildlife Habitat

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

"---" 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:

Every time we go to build a new building, the process always includes the consideration for the preservation of wildlife habitats. Preservation of wildlife habitat is rooted deep in the culture of planning at UMass Amherst. The UMass Amherst Extension Citizen Planner Program offers resources for developing bi-laws in local governments for wildlife habitat protection (see link below).

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

http://www.umass.edu/masscpc/bylaws/WetandWild_Mo.html
Tree Campus USA

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

Submission Note:

UMass Amherst as of 1/14/16 currently meets 2 of the 5 criteria for becoming designated by ADF as a Tree Campus USA. We are planning to pursue this credit for v2.0.

Standard 1 — Campus Tree Advisory Committee:
The Sustainability Master Planning Committee will be organizing a Tree Advisory Committee and the Director of Grounds is supportive of doing this. Potential members of the committee could be:
Faculty in Stockbridge School of Agriculture/LARP
Landscape Architect in Physical Plant
Student from Stockbridge/Environmental Design
Community Member: Town of Amherst Tree Warden or Sustainability Coordinator

Standard 2 — Campus Tree Care Plan:
This plan is being developed by Landscape Architect and Director Grounds

Standard 3 — Campus Tree Program with Dedicated Annual Expenditures:
Already meeting this credit

Standard 4 — Arbor Day Observance:
We do not currently do this but students may plan something for 2014

Standard 5 — Service Learning Project:
We currently meet this through numerous programs with students and the Amherst community

"---" 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

**Ezra Small**  
Sustainability Manager  
Physical Plant

---

#### Submission Note:

Sent from Pam Monn, Director of Grounds (1/24/14):

"IBG Magic Liquid is a highly effective liquid de-icing agent made from a patented blend of magnesium chloride combined with an agricultural by-product of the distilling process (i.e. grain and/or sugar based) and is protected under U.S. patent #4,676,918. No other liquid ice melter can make this claim.

IBG Magic Liquid is non-toxic, bio-degradable and has a corrosion index lower than distilled water. IBG Magic Liquid can be applied directly to paved surfaces in advance of a winter storm, or can be sprayed onto regular rock salt. It is safe to use on concrete, is non-corrosive, does not harm curbside grassed areas or plants, and continues to melt ice to below -35°F.

IBG Magic Liquid is a proprietary formula of magnesium chloride combined with an agricultural by-product of the distilling process (i.e. grain and/or sugar based) and is protected under U.S. patent #4,676,918. No other liquid ice melter can make this claim. IBG Magic Liquid can be applied directly to paved surfaces in advance of a winter storm and the following results will occur:

- Black ice is eliminated.
- Because of its residual effect, snow and ice will not bond to paved surfaces.
- It melts faster.
- It works longer.
- It is environmentally friendlier.
- It is less corrosive than distilled water.
- It is DEC approved.
- It is safe for concrete parking structures.
- It even neutralizes rust!
- IBG Magic Liquid saves money, time and labor.

"---" 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?:

Yes

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

Here at UMass we use a product that consists of biproduct of materials from distilleries to melt the salt on our side walks. This allows us to avoid using harsh chemicals to defrost our sidewalks. See notes section for product specs.
The website URL where information about the program, policy, or practice is available:
---
Landscape Waste Composting

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

"---" 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:
We compost the waste from grounds keeping on campus. We then use that compost around campus in other grounds keeping projects.

In FY2013, UMass Office of Waste Management and Landscape Services composted 300 tons of yard waste and leaves

The percentage of landscape waste that is mulched or composted onsite:
100

The percentage of landscape waste that is mulched or composted off-site:
0

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.

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Computer Purchasing

Responsibility Party

Ezra Small
Sustainability Manager
Physical Plant

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.

Submission Note:

This data comes from our OIT office and includes Dell, Lenovo, Apple, and HP computers/laptops and monitors.

"---" 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.oit.umass.edu/support/hardware/recommended-minimum-computer-configurations-windows

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

The guidelines for purchasing PC or Mac computers are sent to all incoming students, and printed information is also available in their orientation packets. They are also available on the Office of Institutional Support Website. PC guidelines are listed about.

Mac guidelines:
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:
644,496.83 US/Canadian $

Expenditures on EPEAT Silver desktop and laptop computers and monitors:
3,178.08 US/Canadian $

Total expenditures on desktop and laptop computers and monitors:
647,674.91 US/Canadian $
Cleaning Products Purchasing

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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.

Submission Note:

The expenditure data (Part 2) of this credit comes from the Physical Plant Custodial Services Manager Donald Sullivan and Physical Plant Buyer Michael Rossi. Custodial Services cleans all classroom and administrative buildings on campus (majority of campus buildings).

There are two other cleaning systems at UMass in Residential Life (45 residence halls) and Auxiliary Services (Campus Center, Retail Dining and Dining Halls). Each entity uses its own cleaning systems both of which use high percentage of Green Seal certified products. Auxiliary Services uses the OS-1 cleaning system which has won national environmental awards.

Contact in Residential Life: Capitol Projects Space Manager, Jenna Rostek
Contact in Auxiliary Services: Purchasing Manager, Chris Howland

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.umass.edu/procurement/

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

These guidelines are posted on the Procurement pages of the UMass Amherst Website, where all of the forms and information are available.

In addition, the University’s office supply contract thru W.B Mason identifies green and recycled cleaning and paper products that will replace non-green products so that end users have a choice when they order.

The pdf is available here:

http://www.umass.edu/procurement/policies/Green%20Goal.pdf

Vendors, staff and faculty are encouraged to submit ideas to the Procurement Department that can support and improve on this goal.

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 :
69,264.70 US/Canadian $

Total expenditures on cleaning products :
70,000 US/Canadian $

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

2014 GREEN PRODUCT LIST.xlsx
Office Paper Purchasing

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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.

Submission Note:

This data comes from the vendor (W.B. Mason) campus sales manager.

"---" 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.umass.edu/procurement/

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

These guidelines are posted on the Procurement pages of the UMass Amherst Website, where all of the forms and information are available.

In addition, the University’s office supply contract thru W.B Mason identifies green and recycled cleaning and paper products that will replace non-green products so that end users have a choice when they order.

The pdf is available here:

http://www.umass.edu/procurement/policies/Green%20Goal.pdf
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:
1,163.50 US/Canadian $

Expenditures on 30-49 percent recycled-content office paper:
118,154.77 US/Canadian $

Expenditures on 50-69 percent recycled-content office paper:
464.13 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:
3,263.03 US/Canadian $

Total expenditures on office paper:
251,367 US/Canadian $
Vendor Code of Conduct

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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.

Submission Note:

Exec. Order 515:

"---" 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.umass.edu/procurement/policyindex.html

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

---

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:

UMass Amherst, as a state agency of the Commonwealth of Massachusetts, is required to meet the requirements of the Executive Order 515, Establishing an Environmental Purchasing Policy, which requires agencies to set initiatives that focus on Energy Efficient Products, Toxics Reduction, Recycled Content/Waste Minimization, and Purchasing Sustainable Products.

UMass Amherst has implemented the following practices in compliance with EO515:

-The Green Office Program
http://www.umass.edu/sustainability/get-involved/green-office

-The University’s office supply contract thru W.B Mason identifies green and recycled products that will replace non-green products so that end users have a choice when they order.

-Go Green Procurement Vendor Show:

http://www.umass.edu/procurement/docs/vendor_show_2012-details.pdf
Historically Underutilized Businesses

Responsible Party

Elena Sharnoff
Director of Communications, CNS
College of Natural Sciences

"---" 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:

We seek out and utilize MBE/WBE in numerous grants and construction contracts whenever possible, in excess of $4 million annually.

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

http://media.umassp.edu/massedu/policy/purchasing_policy.pdf
Local Businesses

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

"---" 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:

UMass Amherst is a founding member of the Massachusetts Higher Education Consortium (MHEC), the premier source for regionalized New England group purchasing in the United States. MHEC strives to be the consortium of choice for its members by providing multi-vendor contracts that are the best in the industry in terms of cost avoidance, product and service depth, vendor quality, choice and terms; and by being an active catalyst for local and regional small business participation, including women and minority-owned companies. MHEC supports the success of our members and vendors by engaging their input and providing consulting support, customized reporting, special events, education programs and communications forums that encourage a vibrant, interactive, regional marketplace and learning community.

MHEC membership is available to all not for profit public and private institutions of higher education, municipalities including elementary, secondary schools, technical, vocational and charter school as well as other educational organizations throughout Massachusetts, Maine, Vermont, New Hampshire, Rhode Island and Connecticut.

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

http://www.mhec.net/
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.

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Campus Fleet

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

Criteria

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

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

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

Submission Note:

This data comes directly from Bill Watts, Transportation Services Fleet Manager

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

Gasoline-electric, non-plug-in hybrid vehicles in the institution’s fleet :
16

Diesel-electric, non-plug-in hybrid vehicles in the institution’s fleet :
0

Plug-in hybrid vehicles in the institution’s fleet :
0

100 percent electric vehicles in the institution’s fleet :
9
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:
0

Total number of vehicles in the institution’s fleet, including all of the above:
522
Student Commute Modal Split

Responsible Party

Robert Hendry
Commuter Options Coordinator
Parking Services

Criteria

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

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

The percentage (0-100) of institution's students who use more sustainable commuting options: 67

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: 33

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: 14

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: 36

The percentage (0-100) of institution’s students who use a motorcycle, scooter or moped as their primary method of transportation: 2

The website URL where information about alternative transportation is available:
http://parking.umass.edu/index.php/generalinfo/commuteroptionsprogram/
Employee Commute Modal Split

Responsible Party

Robert Hendry
Commuter Options Coordinator
Parking Services

Criteria

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

"---" 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:
8

The percentage (0-100) of institution’s employees who vanpool or carpool as their primary method of transportation:
10

The percentage (0-100) of institution’s employees who take a campus shuttle or public transportation as their primary method of transportation:
6

The percentage (0-100) of institution's employees who use a motorcycle, scooter, or moped as their primary method of transportation:
2

The website URL where information about alternative transportation is available:
http://parking.umass.edu/index.php/generalinfo/commuteroptionsprogram/
Bicycle Sharing

Responsible Party
Ezra Small
Sustainability Manager
Physical Plant

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

Does the institution have a bicycle-sharing program or participate in a local bicycle-sharing program?:
Yes

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

UMass Student Government started the UMass Amherst Bike Share Program in Spring 2011. Students, faculty, and staff can check out bikes for their use from the Student Government Office from March-November.

The website URL where information about the program, policy, or practice is available:
https://www.umass.edu/sustainability/green-campus/bike-share-program
Facilities for Bicyclists

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

"---" 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:

Bicycles can be housed securely within many of the dorms or buildings on campus. There is also a student run business, the Bike Co-Op, for bike repair on campus.

We provide many showers at UMass Amherst, and there are locker facilities in our gym. Green Building Researchers have mapped out every bike storage facility (bike racks, bike lockers, etc) and all of the available showers for bike commuters on the interactive Campus Sustainability Explorer available on the Sustainable UMass website.

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

http://maps.umass.edu/apps/sustainability/cse/
Bicycle and Pedestrian Plan

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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

Has the institution developed a bicycle plan?:
Yes

A brief description of the plan:

Our Campus Master Plan calls for two major roads to be changed to become more bicycle friendly. It also makes provision for a new multi-modal transportation center to make the campus more accessible to cyclists, and to extend the current bike path to an area of high density student housing (North Village).

In the Fall of 2012, UMass Amherst became an "Honorable Mention" Bicycle Friendly University with the League of American Bicyclists.

In 2013, the Bicycle Advisory Committee begin meeting which will advise the Director of Campus Transportation Services and will begin implementing programs to achieve a certified status with the Bicycle Friendly University rating system.

The website URL where information about the plan is available:
http://www.umass.edu/cp/mp.htm
Mass Transit Programs

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

"---" 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):
For students and faculty the PVTA Bus system is free during the school year. The on campus shuttles remain free all year to students and faculty.

The website URL where information about the program is available:
http://www.pvta.com/
Condensed Work Week

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

Submission Note:

Section 18.4 of the 2012-2014 Unit A PSU/MTA contract: Flexible Work Options

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

Does the institution offer a condensed work week option for employees? The institution does not have to offer the option to all employees in order to earn this credit.:

Yes

A brief description of the program:

The University recognizes that in order to attract, retain, and develop highly skilled employees and partner with the Union on promoting a clean environment, there may be times when it is in the best interest of both the University and the employee to consider options beyond traditional work locations and schedules. This flexibility must always meet the needs of the individual campus business units. The University's commitment to this flexibility does not mean that every employee is entitled to a flexible work option. The nature of the work and/or the needs of the University may preclude a flexible work arrangement. Flexibility is appropriate where both the needs of the University and the needs of the employee are met.

Upon request of a bargaining unit member, the supervisor may grant, for a specific period of time, or for an unspecified time (subject to a cancellation by the supervisor) a flexible personal work schedule, a compressed work week, or an alternative work site/telecommuting schedule, so long as the bargaining unit member can demonstrate to the satisfaction of the supervisor that the proposed schedule will not interfere with or detract from the delivery of services provided or the day to day operation of the department. Such request shall not be unreasonably denied.

The website URL where information about the program is available:

http://www.umass.edu/psumta/contract/contractindex.html
Telecommuting

**Responsible Party**

Ezra Small  
Sustainability Manager  
Physical Plant

**Submission Note:**

Section 18.4 of the PSUMTA contract: Flexible Schedule

"---" 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:

The University recognizes that in order to attract, retain, and develop highly skilled employees and partner with the Union on promoting a clean environment, there may be times when it is in the best interest of both the University and the employee to consider options beyond traditional work locations and schedules. This flexibility must always meet the needs of the individual campus business units. The University’s commitment to this flexibility does not mean that every employee is entitled to a flexible work option. The nature of the work and/or the needs of the University may preclude a flexible work arrangement. Flexibility is appropriate where both the needs of the University and the needs of the employee are met.

Upon request of a bargaining unit member, the supervisor may grant, for a specific period of time, or for an unspecified time (subject to a cancellation by the supervisor) a flexible personal work schedule, a compressed work week, or an alternative work site/telecommuting schedule, so long as the bargaining unit member can demonstrate to the satisfaction of the supervisor that the proposed schedule will not interfere with or detract from the delivery of services provided or the day to day operation of the department. Such request shall not be unreasonably denied.

The website URL where information about the program is available:

http://www.umass.edu/psumta/contract/contractindex.html
Carpool/Vanpool Matching

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

Submission Note:

UMass Amherst now uses the MA DOT MassRides NuRide Program as it’s primary rideshare program for the campus community. NuRide is the nation’s largest rewards program for individuals who take greener trips -- walking, biking, carpooling, vanpooling, public transportation, or even telecommuting. NuRide is a free service and is supported by sponsors who provide special offers to NuRide members for taking greener trips and reducing global warming, traffic congestion and energy consumption.

http://www.nuride.com/

"---" 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:

The UMass Rideshare Program provides an alternative to single occupancy vehicles by assisting UMass employees and off-campus students in forming carpools. The goals of the UMass Rideshare Program are to reduce commuter traffic on campus, improve the environment and air quality of the region, and offer an alternative to full-cost UMass parking permits.

Rideshare services are offered free of charge to any employee or off-campus student on the Amherst campus. Services offered include carpool matching, Guaranteed Ride Home, and commuter information on transit services and park and ride lots.

The website URL where information about the program is available:

https://parking.umass.edu/publicsecure.php/myrideshare/rideshareinfo
Cash-out of Parking

Responsible Party

Elena Sharnoff
Director of Communications, CNS
College of Natural Sciences

"---” 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)?:
Yes

A brief description of the program:
At UMass Amherst, there is no free parking. The cost of a parking permit is determined by type of lot and is pro-rated by salary. Parking lot costs are fairly high, so employee or student who chooses not to purchase a parking permit is effectively saving upwards of $300/year.

The website URL where information about the program is available:
---
Carpool Discount

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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

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

A brief description of the program:

Carpool permits are available to UMass employees and students who regularly share rides to the University.

Benefits of participation include:

- Reduced parking permit fees
- Preferred parking spaces
- Guaranteed Ride Home for emergency situations
- Free one-day passes to accommodate occasional need to drive alone
- Reduced auto maintenance costs
- Reduced environmental impact

The website URL where information about the program is available:
http://parking.umass.edu/index.php/permits/carpoolpermits
Local Housing

Responsible Party

Elena Sharnoff
Director of Communications, CNS
College of Natural Sciences

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

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

A brief description of the incentives or programs:
UMass Transit operates PVTA buses within a 10-mile radius of campus for the towns of Amherst, Belchertown, Deerfield, Granby, Hadley, Northampton, South Hadley, and Sunderland. These bus routes are fare-free for staff and faculty.

The website URL where information about the incentives or programs is available:
http://www.umass.edu/transit/buses.html
Prohibiting Idling

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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

Has the institution adopted a policy prohibiting idling?:
Yes

A brief description of the policy:
Any employee who operates a vehicle at UMass is required to follow the Environmental Health and Safety Motor Vehicle Idling Policy. All new employees are required to take the Online Web Learning Training (OWL).

The website URL where information about the policy is available:
http://www.ehs.umass.edu/motor-vehicle-idling-policy
Does the institution participate in a car sharing program, such as ZipCar or HourCar?:
Yes

A brief description of the program:
UMass Amherst has both ZipCar and Enterprise WeCar available to students, faculty, and staff.

UMass ZipCar:
http://www.zipcar.com/umass

UMass WeCar:

The website URL where information about the program, policy, or practice is available:
https://www.umass.edu/sustainability/green-campus/transportation
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.

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<td>Move-Out Waste Reduction</td>
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Waste Reduction

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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:

Data for campus community can be found at the OIR office website.

Total Fall 2012 undergraduates enrolled: 20,427 (http://www.umass.edu/oapa/publications/factsheets/enrollment/fall/FS_enr_01_f12.pdf)
Total non-residential: 36% (7,353) (http://www.umass.edu/oapa/publications/cds/common_data_set.pdf, see "housing" section)
Total residential students: 13,074

Total non-residential: 7,353
Faculty and Staff (assuming all non-residential): 4,876
Total full time non non-residential students, faculty, staff: 12,229

Total part time students: 5,602 (assuming all non residential: see At a Glance)
Total Part time faculty and staff: 3,016
Total part time non-residential students, faculty, staff: 8,708

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

Weight of materials recycled, 2005 baseline year :
2,120 Tons

Weight of materials composted, 2005 baseline year :
1,931 Tons
Weight of materials disposed as garbage, 2005 baseline year:
3,508 Tons

Weight of materials recycled, performance year:
1,926 Tons

Weight of materials composted, performance year:
1,994 Tons

Weight of materials disposed as garbage, performance year:
3,015 Tons

List the start and end dates of the waste reduction performance year:
July 2012 - June 2013

On-campus residents, 2005:
11,535

Non-residential/commuter full-time students, faculty, and staff members, 2005:
13,221

Non-residential/commuter part-time students, faculty, and staff members, 2005:
5,602

On-campus residents, performance year:
13,074

Non-residential/commuter full-time students, faculty, and staff members, performance year:
12,229

Non-residential/commuter part-time students, faculty, and staff members, performance year:
8,708

Time period for weighted campus user (list the consecutive 12 month period that most closely overlaps with waste reduction performance year):
September 2012 - August 2013

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 website URL where information about the institution’s waste reduction initiatives is available:
http://www.umass.edu/recycle
Waste Diversion

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

Criteria

Institution diverts materials from the landfill or incinerator by recycling, composting, reusing, donating, or re-selling.

This credit does not include construction, demolition, electronic, hazardous, special (e.g. coal ash), universal and non-regulated chemical waste, which are covered in OP Credit 19: Construction and Demolition Waste Diversion, OP Credit 20: Electronic Waste Recycling Program, and OP Credit 21: Hazardous Materials Management.

Submission Note:

Materials recycled and materials disposed in landfill data reported is available online each year in the Physical Plant's Office of Waste Management FY Waste Report online at the Physical Plant website:
http://www.umass.edu/physicalplant/resources/index.html

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

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

3,920 Tons

Materials disposed in a solid waste landfill or incinerator:

3,015 Tons

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

In 2012, UMass Amherst launched a new single stream recycling program for most of the campus aimed at increasing recycling rates in the residence halls and in classroom buildings. UMass Amherst has one of the highest recycling rates in the state of Massachusetts when compared to other communities, ranking in the top 5% with a 56% diversion rate in FY12. The Campus Sustainability Initiative in partnership with Auxiliary Services and Physical Plant continues to implement new programs to divert solid waste from landfills or incineration, including a new composting program in most of the retail dining locations, which has helped made food waste the largest stream of recycled materials on campus at over 1,000 tons per year. Large events are now recycling and composting all materials, including the College of Natural Sciences College Day annual event which last year composted almost 100% of all the waste at the event, and accommodated over 2,000 attendees.

It is the obligation of every member of the campus community to do their part by helping the University increase its recycling rate and reduce waste - including unnecessary fines and disposal fees. University faculty, students, and staff are expected to cooperate with this
program by separating recyclable materials from trash and sorting these materials into our color-coded recycling bins. The Physical Plant's Office of Waste Management will continue to support this effort by issuing recycling guidelines and providing up-to-date information and assistance to the campus community.

In 2014, UMass is partnering with The Post-Landfill Action Network to organize the first ever UMass Amherst Reuse Tag Sale on campus. Items will be diverted from the waste stream to a reuse bin during spring sustainable move-out, stored, cleaned, and tagged during the summer by students and sold in the fall during first week. These efforts will hopefully add to the tonnage of waste diverted from landfill or incinerator.
### Construction and Demolition Waste Diversion

#### Responsible Party

**Ezra Small**  
Sustainability Manager  
Physical Plant

#### Criteria

Institution diverts non-hazardous construction and demolition waste from the landfill and/or incinerator.

Soil and organic debris from excavating or clearing the site do not count for this credit.

#### Submission Note:

Updated 2013 data is based on 4 reporting new construction/major renovation projects:
- Goessmann Lab Renovation (147 diverted, 15 residual)
- Life Science Laboratories (LSL) (795 diverted, 199 residual)
- New Academic Classroom Building (NACB) (95 diverted, 22 residual)
- CNS Greenhouse (67 diverted, 21 residual)

The UMass has little jurisdiction over the generation and management of construction and demolition wastes on the Amherst campus. UMass contractors are responsible under their contract with the university to recycle 75% or more of the weighted material generated by the work. Exact numbers are not known due to the amount of construction and the amount of contractors at the university. The sole exception is a small quantity of waste materials generated by the Alterations Dept. which handles minor renovations. Alterations Dept. wastes are delivered to the UMass Waste Recovery and Transfer Facility and are subject to our sorting requirements. Brick and concrete are sorted for recycling. All types of scrap wood are collected and sent for energy recovery at regional waste-to-energy plants. All metals are recycled as well.

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

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

1,104 **Tons**

#### Amount of construction and demolition materials landfilled or incinerated:

257 **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:

At UMass Amherst, the bulk of building material waste is generated by larger building projects which have been awarded to outside contractors. In these projects the outside contractors are responsible for the disposal of all construction and demolition material.
The UMass Green Building Guidelines state:

Construction Waste Management

Recycling is a high priority on campus. However, waste produced by construction activities is not sorted on campus, rather, it is the responsibility of the contractor to properly dispose of construction and demo waste.

It is the University’s position that, due to the location of the campus and the availability of local waste contractors who can recycle and track construction waste, a minimum target of 75% should be met by all project teams.

We estimate that for every 1,000 tons of construction waste generated, our contractors are recycling, donating, or otherwise recovering 75% of it, i.e. 750 tons. We estimate that 10% of construction waste is dealt with internally (i.e. not by outside contractor who are accountable to the terms of the contract they sign with us). Assuming, conservatively, that only 30% of our internal construction waste is dealt appropriately, the total tonnage % is 30 and the amount landfilled or incinerated is 70.
Electronic Waste Recycling Program

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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:

All students, faculty and staff can call the office of Waste Management or go to the recycling facility to drop off and dispose of electronic waste.

All computers and electronic products on campus are barcoded and registered with the Office of Information and Technology. If the item can not be reused or refurbished the Office of Waste Management is contacted.

The Office of Waste Management contracts with RMG Enterprise Inc. from New Hampshire to dispose of the electronic waste in a safe and professional way.

A brief description of the electronic waste recycling program for institution-generated materials:
Faculty and staff can contact the Office of Waste Management by phone or email to have electronic waste picked up and disposed of. Some collection points are present in offices throughout campus to collect smaller types of electronic waste.

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

Beginning on April 1, 2013 there is a centralized E-Waste Recycling Center called the "Green Monstah" located in the lobby of the Library for all students to recycle small electronics. This system is managed by Campus Sustainability Initiative Waste Reduction Fellows.

Students are able to bring their electronic waste to the Waste Management plant on campus to dispose of it. They can call the Office of Waste Management for assistance.

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

http://www.umass.edu/recycle/recycling_othermaterials.shtml
Hazardous Waste Management

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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:

The Chemical inventory system called CEMS (chemical environmental management system) is a reuse and exchange program to reduce the amount of hazardous, universal, and non-regulated chemical waste.

A universal waste-bulb crusher is used in the Waste Recovery Transfer Station, which extracts the mercury out of fluorescent bulbs.

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

The university complies with established regulations from the Mass Department Environmental Protection, MDEP (310cmr30), as well as regulations from the EPA (40cfr260, 40cfr262, 40cfr273)

The university has on site hazardous waste contractor (TSDF) who picks up and will either bulk or lab pack laboratory chemicals

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

http://www.ehs.umass.edu/
**Materials Exchange**

**Responsible Party**

Ezra Small  
Sustainability Manager  
Physical Plant

"---” 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:**

UMass Amherst has the Surplus Barn that falls under the jurisdiction of the Office of Waste Management on campus. UMass offices can go to the barn and pick up furniture such as desks, chairs, tables, and filing cabinets. Offices that have furniture that they no longer want can send it to the barn so it can be reused.

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

http://www.umass.edu/recycle/get_surplus.shtml
Limiting Printing

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

"---" 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:
Students only receive a credit of five dollars on their student card for free printing. After that five dollars students must pay for their own printing.

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

UMass Amherst has its course catalogue online (SPIRE) where students can sign up for classes. The website provides students with their schedule as well as other important information such as their bill and major requirements. The University does not print a course catalog.

UMass also has People Finder attached to our main website to locate faculty and students so that they may contacted. It is the campus directory.

The website URL where information about the practice is available:

https://www.spire.umass.edu/
Chemical Reuse Inventory

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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

Has the institution implemented a campus-wide inventory system to facilitate the reuse of laboratory chemicals?: Yes

A brief description of the program:

CEMS a web based program is used to barcode and inventory chemicals for reuse and exchange.

The website URL where information about the practice is available:

http://www.ehs.umass.edu/
Move-In Waste Reduction

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

Submission Note:

In 2014, UMass has partnered with the Post-Landfill Action Network to organize the first ever UMass Amherst reuse tag sale.

"---" 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:

Each semester Residential Life partners with the Office of Waste Management and Sustainable UMass to provide centralized recycling and reuse stations for cardboard boxes outside of each housing cluster. Students and parents are guided by signage as part of a campus wide Sustainable Move-In program.

The website URL where information about the program is available:

Move-Out Waste Reduction

Responsible Party

Ezra Small  
Sustainability Manager  
Physical Plant

Submission Note:

In 2014, UMass has partnered with the Post-Landfill Action Network to organize the first ever UMass Amherst reuse tagsale.

"---" 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:

The Eco-Rep program with assistance from Waste Management provides dumpsters and educational material so that students can easily recycle, donate, or throw away properly.

Since 2007, waste generated during move-out has been reduced from 404 tons to 293.

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.

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</tbody>
</table>
Water Consumption

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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:

The total water consumption for performance year does NOT include reclaimed water use which totaled 51 million gallons.

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

Water consumption, 2005 baseline year:
382,000,000 Gallons

Water consumption, performance year:
223,864,836 Gallons

List the start and end dates of the water consumption performance year:
July 2010 - June 2011

On-campus residents, 2005:
11,535

Non-residential/commuter full-time students, faculty, and staff members, 2005:
13,221

Non-residential/commuter part-time students, faculty, and staff members, 2005:
5,602

On-campus residents, performance year:
13,074
Non-residential/commuter full-time students, faculty, and staff members, performance year:
12,229

Non-residential/commuter part-time students, faculty, and staff members, performance year:
8,708

Time period for weighted campus user (list the consecutive 12 month period that most closely overlaps with water consumption performance year):
September 2012 - August 2013

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

A brief description of the plan of action to achieve water use reduction goals:
As a state agency, UMass Amherst is mandated by the Commonwealth of Massachusetts to reduce potable water consumption by 12%:

EXECUTIVE ORDER NO. 484

LEADING BY EXAMPLE-CLEAN ENERGY
AND EFFICIENT BUILDINGS

WHEREAS, buildings are significant users of energy, water and natural resources, consuming 39% of U.S. energy, 70% of U.S electricity, 12% of U.S. potable water, and 40% of raw materials globally;...

The website URL where information about the institution’s water conservation initiatives is available:
Stormwater Management

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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 university has decided to incorporate rain gardens and vegetated swales in all new construction to reduce stormwater run off. The university has decided to implement the same technology for existing stormwater issues.

All new construction meets LEED for New Construction v3 stormwater management requirements such as Stormwater Design - Quality Control and Water Efficient Landscaping - No Potable Water Use or Irrigation.

Also to note: A team of students, faculty, and staff have initiated the Tan Brook Project, an initiative to raise awareness about the Tan Brook Watershed which runs underground across the campus and into the Campus Pond. This project has received campus wide support from administrators from Physical Plant and Facilities and Campus Planning and has become a platform for discussing future stormwater retention in centralized locations to resolve stormwater impacts of new construction projects.

The website URL where information about the institution's stormwater management initiatives, plan or policy is available:
http://www.umass.edu/fp/projectmanagement/constructioninformation/

Does the institution have a living or vegetated roof?:
Yes

A brief description of the institution's living or vegetated roof:
The New Academic Classroom Building will be the first building on campus to have a vegetated roof:
http://www.umass.edu/fp/NACB/

Does the institution have porous paving?:
Yes

A brief description of the institution's porous paving:
There are three examples of porous paving on campus, the Robsham Visitor Center and the Southwest Concourse, and the Stockbridge School of Agriculture.

Does the institution have retention ponds?:
Yes

A brief description of the institution's retention ponds:
Central heating plant has retention ponds as well as the Southwest Concourse at the University.
Does the institution have stone swales?:
Yes

A brief description of the institution's stone swales:
Yes the university has vegetated stone swales. They are visible across campus and in new construction projects.

Does the institution have vegetated swales?:
Yes

A brief description of the institution's vegetated swales:
Yes the university has vegetated stone swales. They are visible across campus and in new construction project, specifically in the Southwest Concourse project on campus.

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 Integrated Science Building on campus has storm-water recycling that supplies the cooling tower.
Waterless Urinals

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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

Does the institution use at least one waterless urinal?:
No

A brief description of the technology employed:
---

The website URL where information about the technology is available:
---
Building Water Metering

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

"---" 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 buildings over 20,000 square feet are metered here on campus.

The percentage of building space with water metering:
90

The website URL where information about the practice is available:
Non-Potable Water Usage

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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

Does the institution use non-potable water (e.g., harvested rainwater or graywater) for irrigation and/or other applications?:

Yes

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

The Central Heating Plant (CHP) currently utilizes the effluent from the Amherst Waste Water Treatment Plant (reclaimed water) as boiler make-up water to produce steam for the campus. To increase water conservation, the CHP has received a Class A Reclaimed Water Application to the Massachusetts Department of Environmental Protection to use reclaimed water at the CHP cooling towers as well, the first issued in Western Massachusetts.

The Amherst campus currently uses about 330 million gallons of water per year. With the Class A Permit, the CHP would be able to use up to 200,000 gallons per day of reclaimed water, resulting in a potential reduction of potable water consumption of 21%.

History: Approximately ten years ago the Town of Amherst Department of Public Utilities requested that UMass investigate ways to reuse the town’s Waste Water Treatment Plant’s effluent (reclaimed water) on campus. UMass commissioned a study to investigate the feasibility of reusing this effluent and confirmed that the reclaimed water was possible for boiler water make-up at the old power plant. The best path forward on this effort was to use proven technology – multi media filters, reverse osmosis membranes, and chlorination.

With approval from the Town of Amherst and the Massachusetts Department of Environmental Protection the University started utilizing reclaimed water in 2005. The water re-use initiative reduced potable water consumption by about 16%.

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:

https://www.umass.edu/sustainability/green-campus/reclaimed-water-use
Xeriscaping

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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

Does the institution use xeriscape landscaping techniques, including the selection of drought tolerant plants?:
Yes

A brief description of the program or practice:
The plants are planted and watered for a year. The plants that are selected grow naturally in the local environment so after the first year plants are not watered and are allowed to survive on their own.

The website URL where information about the program or practice is available:
---
Weather-Informed Irrigation

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

"---" 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:
---
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.

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</table>
Sustainability Coordination

Responsible Party

Victoria Rosen
Sustainability Communications & Marketing Manager
University Relations

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 Chancellor's Sustainability Committee (formerly EPAC) helps to assess ways to reduce environmental impacts of the campus in a manner which incorporates sound business practices. One of the Committee goals is to enhance the campus' ability to gather, track, and analyze environmental performance data and related information and develop report documents. Another goal is to devise a comprehensive and common-sense way to foster environmental stewardship across the entire organization among and within campus departments, both operational and academic. The Committee advises the Chancellor Leadership Committee (CLC) on all matters related to campus environmental performance including adjustments to operating policies and/or practices. The Committee helped create the UMass climate action plan that will aim for carbon neutrality by 2050.

Members of the committee, including affiliations:

In 2012 EPAC was renamed and restructured to better serve the campus community and achieve the mission and goals.

The Chancellors Sustainability Committee now consists of three tiers: Sub-Committees (meet monthly), Implementation Team (meets monthly), and Executive Team (meets quarterly).

There are nine Sub-Committees:
Communications
Education and Research
Food and Dining
Finance
Green Building
Master Planning
Residential Life
Transportation
Waste and Procurement

The Implementation Team consists of each of the nine Sub-Committee Chairs plus the Sustainability Committee Chair:

Ezra Small (Chair)
Campus Sustainability Manager

Victoria Rosen (Communications Chair)
Sustainability Communications & Marketing Manager, University Relations

Craig Nicolson (Education & Research Co-Chair)
Director of Academic Sustainability Programs, Professor in Dept of Environmental Conservation

William Wooldridge (Education & Research Co-Chair)
Chair and Professor, Management Department, Isenberg School of Management

Rachel Dutton (Food and Dining Chair)
Sustainability Manager for Auxiliary Services

Lynn McKenna
Assistant Budget Director, Budget Office

Patricia O’Flaherty (Green Building Co-Chair)
Green Building Researcher, Facilities Planning

Ted Mendoza (Green Building Co-Chair)
Capital Project Manager, Facilities Planning Division

Ludmilla Pavlova (Master Planning Chair)
Senior Campus Planner, Campus Planning

Monica Rochon (Residential Life Chair)
Residence Director, Residence Life

Glenn Barrington (Transportation Chair)
Assistant Transit Manager, Transportation Services

Terri Bechta (Waste and Procurement Chair)
Assistant Director of Environmental Hazardous Materials Program, EH&S

Executive Team Members:

Juanita Holler
Associate Vice Chancellor, Facilities & Campus Services

Andy Mangels
Associate Vice Chancellor for Finance and Budget Director
Ray Jackson
Director, Physical Plant

Eddie Hull
Executive Director, Residence Life

Ken Toong
Executive Director of Auxiliary Enterprises

Michael Grabscheid
Executive Director of Marketing & New Business Development, University Relations

Steve Goodwin
Dean of the College of Natural Sciences

Stephen Schreiber (Faculty Senate Rep)
Professor, Chair of the Campus Physical Planning Committee

Dennis Swinford
Director of Campus Planning, Campus Planning

Tom Shaw
Interim Director of Design/Construction Mgt

Christine McCormick
Dean of the School of Education

Cheryl L. Dukes
Associate Director of Government Relations, Office of Research Development

The website URL where information about the sustainability committee is available:
http://www.umass.edu/sustainability/get-involved/chancellors-sustainability-committee

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:
Ezra Small

Sustainability coordinator's position title:
UMass Amherst Campus Sustainability Manager

A brief description of the sustainability coordinator's position:
Our campus hired its first sustainability coordinator in 2009. In addition to the current Campus Sustainability Manager, we also have a new Sustainability Communications Manager (hired in 2013) and a number of full-time sustainability staff who work with Dining Services and Conference Services.

The Campus Sustainability Manager (CSM) was hired in 2011, directs the main Sustainable UMass student initiatives on campus and oversees and coordinates all operational aspects of campus sustainability (from developing new clean energy sources to increasing recycling rates to participating in LEED teams for new construction, to establishing a Green Revolving Fund etc). The CSM works closely with the Sustainability Communications Manager and other campus staff and faculty on all sustainability-related projects and programs throughout the university.

The website URL where information about the sustainability coordinator is available:
http://www.umass.edu/sustainability/about/triple-bottom-line
Strategic Plan

Responsible Party
Victoria Rosen
Sustainability Communications & Marketing Manager
University Relations

Criteria

Institution’s current, formally adopted strategic plan or equivalent guiding document includes sustainability at a high level. The plan covers the entire institution.

An amendment to the strategic plan may count for this credit, as long as the institution always presents the amendment with the original plan.

Neither a physical campus plan (which is covered in PAE Credit 3: Physical Campus Plan) nor an independent sustainability plan (which is covered in PAE Credit 5: Sustainability Plan) counts for this credit.

Submission Note:

http://www.umass.edu/ohr/cdsj/
http://www.umass.edu/sustainability/green-campus/e-program
http://www.umass.edu/sustainability/get-involved/chancellors-sustainability-committee

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

Year the strategic plan or equivalent was completed or adopted:
2,005

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:

Our strategic plan covers Climate Change and Energy Efficiency, Waste Reduction and Recycling, Mercury and PBT Reduction, Sustainable Design and Construction, and Water Conservation. Furthermore, we have an environmental management system and have developed an environmental compliance tracking and reporting program.
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:

UMass Amherst developed a Community, Diversity, and Social Justice (CDSJ) Initiative in 2004 to improve the quality of the UMass Amherst community through a systemic change process focused on the following CDSJ goals:

Create a more inclusive and equitable teaching, learning, working and living community;

Develop proactive (rather than reactive) management practices regarding CDSJ;

Increase local responsibility and initiative regarding CDSJ;

Fully integrate CDSJ into the campus mission of teaching, research, and outreach.

Systemic Change is:

Assessment-driven
Results-oriented
Locally-initiated and accountable
Focused on changing policies, practices and culture
Mission-congruent
Championed by leadership at all levels

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:

Every year UMass Amherst commits between one to two million dollars for energy conservation projects, which are designed to upgrade or replace inefficient physical structures or technologies on campus. The program is designed as a payback system, where the annual savings the project creates pays for the cost of the project within seven years. Savings are recognized through the utilities budget, signifying projects will reduce the amount of resources needed by the University, which will in turn deduct the annual savings of the projects from the utility budget for the following year.

The Sustainable UMass team, formerly known as the Campus Sustainability Initiative, works to aid in the selection of projects. For the 2011-2012 fiscal year, the University funded $3.5 million of energy conservation projects which range from replacing streamlines to installing motion sensors for lighting in the two most heavily used academic buildings, Machmer and Herter.

Projects underway in 2013-2014 include about 25 specific energy conservation measures that will cost over $6.7 million, will have a 5 year payback and annual savings of $1.3 million, and will reduce emissions by 4,900 MTCO2. The projects include lighting upgrades, mechanical and electrical measures, and solar thermal systems in the Central Heating Plant.
Overall, since its creation in 2005, the University has allotted $17 million dollars through the E+ Program for a variety of projects across campus. Some of them include steam line replacements, the installation of a 2 MW turbine in our Central Heating Plant, VFD installations and a $4 million dollar chiller replacement project in 2010. UMass Amherst aims to continue its pledge to energy reduction well into the future.

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

Physical Campus Plan

Responsible Party
Victoria Rosen
Sustainability Communications & Marketing Manager
University Relations

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.

Submission Note:
http://www.umass.edu/cp/

"---" 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:
This Framework Plan serves as a guide for sustainable future development and reinforces the vision set out in the UMA Chancellor’s documents. The plan documents a clear vision and identity for the campus with planning principles, goals and recommendations to guide all future growth.

The planning effort has been an intensive process that has engaged University leadership, the campus community and many other stakeholders. The area of this study includes over 1,400 acres on the main campus, as well as the 150 acre Hadley Farm, the 32 acre North Village Residential Area, and the 94 acre Tillson Farm.

Key Issues:
Address the programmatic needs of the University
Provide up-to-date facilities
Integrate a large campus with overlapping neighborhoods
Strengthen campus open spaces
Improve campus connections
Create a compact and sustainable campus

The year the physical campus plan was developed or adopted:
2,012

The website URL where the physical campus plan is available:
http://www.umass.edu/cp/mp.htm
Sustainability Plan

Responsible Party

Victoria Rosen
Sustainability Communications & Marketing Manager
University Relations

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:

Consisting of the Chancellor's Sustainability Committee (formerly known as EPAC), the Sustainability Manager, the Eco-Rep Program and 10-12 Student Fellows, the Sustainable UMass team works to inform, educate and promote sustainable practices to the campus community. A collaborative effort between students, staff, faculty and administrators allows numerous projects and sustainable practices to be implemented. The large involvement of student participation in these efforts has integrated sustainability into the fabric of the academic mission of the University.

In 2007 President Jack M. Wilson signed the five UMass campuses onto the American College & University Presidents’ Climate Commitment (ACUPCC). In order to fulfill the requirements outlined in the ACUPCC, Chancellor Thomas Cole formed EPAC (now referred to as the Chancellor's Sustainability Committee) later that year to write the University’s Climate Action Plan and to develop and implement projects that would help make the campus more sustainable.

The first iteration of the CAP (2010) and the updated CAP 2.0 (2012) serve as broad, comprehensive sustainability strategic plans for the University, addressing more than just operational (energy, water, waste, emissions) goals but also engagement and funding goals and academic goals as well.

A brief description of the plan’s measurable goals:

The 2012 CAP 2.0 Top 3 Priorities are as follows:
Goal 1: Integrate and expand sustainability into all aspects of the curriculum and campus life
Goal 2: Reduce overall energy usage and carbon emissions, convert to renewable energy sources, green existing buildings, and grow net-zero

Goal 3: Fund sustainability advancement through revolving loan funds and external partnerships

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

The Chancellor's Sustainability Committee Implementation Team and all of the Sub-Committees meet monthly, reviews progress towards its measurable goals, and has adopted STARS as a framework for measuring quantifiable progress in meeting the campus' sustainability goals.

The Climate Action Plan 2.0 identifies goals, strategies for achieving those goals, and metrics for measuring the progress.

The website URL where more information about the sustainability plan is available:
http://scholarworks.umass.edu/csi/3/

The year the plan was developed or last updated:
2,012
Climate Action Plan

Responsible Party
Victoria Rosen
Sustainability Communications & Marketing Manager
University Relations

Criteria

Institution has a formal plan to mitigate its greenhouse gas emissions. The plan includes a measurable, numerical goal or goals and a corresponding date or dates by which the institution aims to achieve its goal(s). The plan has been adopted by the institution’s administration.

A formal sustainability plan (i.e. a plan that has been adopted by the administration) counts for this credit if it includes climate change goals, strategies, and corresponding timeframes. Such a plan may also count toward PAE Credit 4: Sustainability Plan.

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Does the institution have a plan to mitigate its greenhouse gas emissions that meets the criteria for this credit?:
Yes

A brief summary of the climate plan’s long-term goals:

The UMass Amherst Climate Action Plan 2.0 establishes a timeline and specific strategies to become climate neutral by 2050. In 2012, the UMass Amherst Sustainability Manager and the Chancellors Sustainability Committee published and released the "Climate Action Plan 2012 2.0: A Roadmap to Carbon Neutrality." This document identified carbon mitigation strategies (within a "wedge" format) that will help reduce overall campus emissions as the campus continues to physically grow at a historic rate. (See strategies below.)

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

The 2012 Climate Action Plan 2.0 document identifies both overall campus sustainability goals and strategies with metrics as well as specific mitigation strategies for meeting state and campus emission reduction targets and reaching carbon neutrality by 2050 even during a time of historic growth. These specific mitigation strategies can be found within Overall Campus Goal 2 below.

The overall campus sustainability goals are:

Goal 1: EDUCATION/ENGAGEMENT: Integrate and expand sustainability into all aspects of the curriculum and campus life.
Strategies include:
- Extend sustainability learning outcome requirements to a majority of majors and degrees
- Offer more sustainability focused and related academic courses.
- Conduct assessments of sustainability literacy of all students focusing on knowledge of topics, not values or beliefs
- Increase student engagement in residence halls and campus activities and increase faculty and staff engagement in classroom and administrative offices
- Renew the ACUPCC: Reaffirm leadership and recommit the University to the goals within the commitment text
- Restructure and grow EPAC to include members from University Relations, Budget office, Student Affairs and Residence Life, Diversity Office, Alumni & Development, and Athletics
- Place a spotlight on research that is contributing to a just and sustainable future; begin tracking the financial commitment to sustainability related research to highlight how it can potentially offset campus emissions

Goal 2: ENERGY/EMISSIONS/BUILDINGS: Reduce overall energy usage and carbon emissions, convert to renewable energy sources, green existing buildings, and grow net-zero
Strategies include:
- Develop a campus renewable energy plan to produce electricity from 30% renewable energy sources by 2020 (EO484), ultimately reducing campus emissions by 25-30%
- Develop a Reduce Your Use Campaign, including the piloting of innovative energy management technologies, reductions in individual energy consumption through student energy competitions and green office programs, reducing energy usage and campus emissions 5-10% by 2020
- Continuous commission existing buildings across campus to improve energy efficiency, yield an average of 16% energy costs per building, reduce energy usage and emissions 10-25% by 2020
- Develop campus wide sustainable development policy for carbon neutral growth, which recovers the costs of greening new and existing buildings through energy efficiency measures
- Preserve the E+ Energy Efficiency Program by continuing to improve the project selection process and ultimately the effectiveness of the program

Goal 3: FUNDING: Fund sustainability advancement through student fees, revolving loan funds, and external partnerships
Strategies include:
- Seek approval for a student green fee to help finance objectives 1 and 2 above by funding highly visible projects on campus chosen by students that improves the quality of campus life and increases the opportunities for hands-on learning for all students
- Appoint a taskforce to report on the advantages and drawbacks of establishing a revolving loan fund (RLF) to finance our energy efficiency upgrades
- Bring in sustainability funding through external partnerships and alumni support

Year the climate plan was formally adopted or approved:
2,010

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:
Total Scopes 1,2,3 emissions

The reduction level (percentage) institution has committed to:
40%

The baseline year the institution used in its GHG emissions commitment:
Jan. 1, 2004
The baseline emissions level institution used in its GHG emissions commitment:
176,707 Metric Tons of CO2

The target year the institution specified in its GHG emissions commitment:
Jan. 1, 2020

The website URL where information about the climate plan is available:
http://scholarworks.umass.edu/csi/3/
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.

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Diversity and Equity Coordination

Responsible Party
Victoria Rosen
Sustainability Communications & Marketing Manager
University Relations

Criteria

Institution has a diversity and equity committee, office, and/or coordinator that are tasked by the administration or board of trustees to advise on and implement policies, programs, and trainings related to diversity and equity on campus.

Submission Note:

In addition to the above mentioned offices/positions it should be noted that UMass Amherst also has a Faculty Advisor for Diversity & Excellence housed directly within the Chancellor's Office.

For additional details about this position
http://www.umass.edu/chancellor/amilcar-shabazz

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

Does the institution have a diversity and equity committee?:

Yes

The charter or mission statement of the committee or a brief description of the committee's purview and activities:

The Faculty Senate Status of Diversity Council makes recommendations on all matters affecting the status of diverse populations and underrepresented communities on the campus, including such matters as faculty, librarian and staff recruitment, retention, promotion and salaries, the recruitment, admission and retention of undergraduate and graduate minority students, granting of financial aid, and the development of programs to reflect the needs of the diverse UMass community.

Members of the committee, including job titles and affiliations:

Co-Chair: Mzamo Mangaliso, Isenberg School of Management
Co-Chair: Ernest Washington, School of Education

College of Engineering:
Sergio Breña (Civil/Environ. Engr.)
College of Humanities and Fine Arts:
Ingrid Holm (ESL)
Hoang Gia Phan (English)
Alice Nash (History)
Jane Degenhardt (English)
Alberto Ameal-Perez (Spanish/Portuguese)

College of Social and Behavioral Sciences:
Mari Castañeda (Communication)

Isenberg School of Management:
Mzamo Mangaliso, Co-Chair (Management)

School of Education:
Ernest Washington, Co-Chair (TECS)
Doris Clemmons (Education)

School of Nursing:
Sharon Mills-Wisneski (Nursing)
Jeung Choi (Nursing)

School of Public Health and Health Sciences:
Nathaniel Whitmal (Communication Disorders)

Library:
Sarah Hutton (Library)

MSP Representative:
Laura Lovett, College of Humanities and Fine Arts

Provost or designee (E):
Joel Martin

Vice Chancellor for Administration and Finance or designee (E):
Sam Killings

Associate Chancellor for Equal Opportunity and Diversity or designee (E):
Laurie Anastasia

Vice Chancellor for Student Affairs and Campus Life or designee (E):
Annemarie Seifert

Director of the Fine Arts Center (E):
Willie Hill

Secretary of the Faculty Senate or designee (E):
Ernest May

Graduate Students:
Anna Waltman
Ghazah Abbasi
Stefanie Robles

Undergraduate Students:
Ritika Bharkrhi
Joshua Odam
Merav Kaufman
Preston Davis

The website URL where information about the diversity and equity committee is available:
http://www.umass.edu/senate/councils/diversity.html

Does the institution have a diversity and equity office?:
Yes

A brief description of the diversity office:

The Office of Equal Opportunity and Diversity (EO&D)
• Administers internal discrimination grievance procedures and conducts investigations relative to affirmative action and equal opportunity complaints.

• Administers the University Sexual Harassment Policy and provides advice and counsel to the campus community on all related issues.

• Conducts outreach to campus personnel to increase and assess effectiveness of efforts in affirmative action and equal opportunity.

• Develops and implements uniform affirmative action and equal opportunity policies and procedures for the entire campus.

• Develops monitoring systems to assess recruitment efforts and the progress of campus programs toward affirmative action goals.

• Establishes record keeping systems to maintain adequate empirical data for monitoring affirmative action and equal opportunity efforts on the Amherst campus.

• Prepares state, federal, and University system mandated reports.

• Provides training programs for academic and non-academic managers regarding the role of affirmative action and equal opportunity on the Amherst campus.

• Produces an annual Annual Affirmative Action Plan and related documents for the Amherst Campus. For print versions of recent documents, please contact the EO&D office. It is also available online.

The number of people employed in the diversity office:
7

The website URL where information about the diversity and equity office is available:
http://www.umass.edu/eod/index.html

Does the institution have a diversity and equity coordinator?:

Yes

**Diversity coordinator’s name:**
Debora D. Ferreira

**Diversity coordinator's position title:**
Executive Director for Equal Opportunity & Diversity

**A brief description of the diversity coordinator's position:**
The Executive Director for Equal Opportunity and Diversity, or designee, is also the Title VI, Title IX, Section 504, and Americans with Disabilities Act Coordinator for the campus. This person will provide information about the University's obligations with respect to the provisions of nondiscrimination statutes including information about the requirement to provide program accessibility for persons with disabilities. This position also oversees the diversity initiatives for the University.

**The website URL where information about the diversity and equity coordinator is available:**
http://www.umass.edu/eod/aapolicy.html
Measuring Campus Diversity Culture

Responsible Party
Victoria Rosen
Sustainability Communications & Marketing Manager
University Relations

Criteria

Institution assesses attitudes about diversity and equity on campus and uses the results to guide policy, programs, and initiatives.

Institution may measure its culture of diversity and equity using one assessment for the entire institution or using separate assessments that taken together cover the entire institution.

Assessments conducted during the previous five years are eligible for this credit.

Submission Note:

Undergrad Campus Climate Survey

http://www.umass.edu/studentlife/sites/default/files/images/CampusClimateStudy2012_Aggregate%20Report_FINAL.pdf

Article on UMatter at UMass Campaign

http://dailycollegian.com/2013/10/02/umatter-campaign-aims-to-improve-umass-experience/

Details on Faculty Advisor on Diversity & Excellence Position

http://www.umass.edu/chancellor/amilcar-shabazz

UMass Workplace Bullying Survey


Workplace Bullying Symposium Details

http://www.umass.edu/events/campus-symposium-against-workplace-bullying

Article on Chancellor's Efforts to Eliminate Workplace Bullying

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):

1. UMass Amherst’s Campus Coalition Against Workplace Bullying is a working group comprised of the leaders of the five largest campus unions (MSP, PSU, GEO, USA, and AFSCME) and representatives from the Ombuds Office, the Faculty and Staff Assistance Program, the Office of Equal Opportunity and Diversity, the College of Social and Behavioral Sciences, and Labor/Management Workplace Education. The Coalition formed in Summer, 2010, and has met regularly since then. In Spring, 2012, the Coalition conducted a Workplace Bullying Survey of all UMass employees in order to assess the nature and extent of their overall experiences on campus and their familiarity with workplace bullying.

The web-based survey was designed by Coalition members (with some consultation with both Student Assessment, Research, and Evaluation Office and the UMass Amherst administration) and administered by the Massachusetts Teachers Association (MTA) via an email invitation (see Appendix A) distributed on May 3rd to all campus employees (7975 in theory) by UMass Amherst’s Human Resources.

2. In Spring 2012 the Division of Student Affairs & Campus Life administered the Undergraduate Campus Climate Survey to gain insights to key elements of the UMass environment as experienced by undergraduate students.

3. In its Diversity Report, the College of Engineering CDSJ Committee reported that in 2009 they resurveyed staff and graduate students, asking about progress since 2005 (the last CDSJ survey). The survey indicated success in several areas, specifically co-worker support, general work satisfaction in immediate work environment and general overall climate of the College. COE contact: Shelly Perdomo, Director for Diversity Program.

4. SARIS conducted a survey in spring ’07 for the Office of Programs and Services for ALANA Students (OPSAS). The target population was all undergraduates of color, and the survey included questions asking about use of the various "Success Centers", as well as questions about their experiences with advising and academics. The response rate was pretty low -- only 20%. Jackie Pinn was the client.

5. SARIS conducted a survey in spring 2008 for Larry Goldbaum in Jewish Affairs. Detailed information on this survey is provided below:

The "Survey of Campus Climate for Jewish Students" was formerly titled "Anti-Semitism"; but we changed the name in 2008 to reflect a broader range of questions. These periodic surveys assess the extracurricular, residential, and classroom experiences of self-identified Jewish students. The questions have remained fairly consistent since the survey’s inception in 1991, although in 2004 some questions were added to explore Jewish students’ perceptions of criticism of Israel by professors, other students, and columnists in the student newspaper. In 2008 we changed the name of the survey and added several questions regarding religious observance.

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

Based on the Undergraduate Campus Climate Survey, UMA developed a new campaign program in 2013 known as UMatter at UMass. UMatter at UMass is a campaign that seeks to help students who feel disconnected on campus, encourage students to be proactive and reach out to those around them, raise awareness of the resources the University provides and ensure that UMass is a safe, caring and compassionate environment for all students who attend.

In Spring 2014, as a result of the Workplace Bullying Survey (and subsequent voluntary on-campus Workplace Bullying symposium that took place in fall 2013), a new mandatory 90 minute training is being implemented for all staff on the subject of workplace bullying and environmental awareness.

In addition, as a result of campus diversity reports and surveys conducted in previous years, Chancellor Subbaswamy created the position of Faculty Advisor for Diversity and Excellence, a position housed directly within the Office of the Chancellor.

Announced in January 2013, the new post, held by Dr. Amilcar Shabazz, serves directly on the Campus Leadership Council and serves as the chancellor’s representative to all campus groups, committees and councils involved in advancing diversity. Dr. Shabazz meets with various groups and members of the senior administration, staff, faculty and students regularly to develop, review, and implement appropriate academic initiatives to advance the campus’s diversity goals.

In earlier years, the Anti-Semitism survey (renamed "Campus Climate for Jewish Students" in 2008) was originally used (in 1991) to measure the nature and extent of anti-Jewish attitudes or behaviors on campus. These triennial surveys provided information which led the University to create an Office of Jewish Affairs in 1995. Subsequent surveys were used to monitor our progress in redressing the problems identified by the surveys. (Note: The Office of Jewish Affairs has been incorporated into a broader Office of Religious and Spiritual Life, which will administer a Survey of Campus Climate for Muslim Students, modeled on its predecessor.)

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

http://www.umass.edu/oapa/oapa/reports/campus_climate/index.php
Support Programs for Underrepresented Groups

Responsible Party
Victoria Rosen
Sustainability Communications & Marketing Manager
University Relations

Criteria

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

Submission Note:

Website for WOCLN:
http://www.umass.edu/ewc/programs/wocln/

Website for Workplace Learning & Development:
http://www.umass.edu/wld/employee_development_tem.htm

Website for CTFD Campus-Wide Programs:
http://www.umass.edu/ctfd/about/annual_report.shtml

Website for Mutual Mentoring Programs:
http://www.umass.edu/ctfd/mentoring/exemplars.shtml

"---" 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 Center for Multicultural Advancement & Student Success (CMASS) provides academic support, cultural enrichment, student development as well as support for institutional diversity on the University of Massachusetts Amherst campus. This includes peer mentoring, social connection, exposure to national student leadership conferences, help in navigating offices of the Bursar, Registrar or Financial Aid, and more. The center ensures that students have the resources to thrive in an inclusive and multicultural environment during their time at the university. CMASS also provides workshops on diversity at New Student Orientations. The Center operates four distinct cultural centers:
Josephine White Eagle Cultural Center: The Josephine White Eagle Cultural Center (JWECC) provides a warm and welcoming gathering place for Native American students, staff, and faculty at the university. JWECC student staff organizes public lecture events for the campus, student social events, community trips, and community night potluck suppers (with community guest speakers or presenters). They also host health awareness workshops, study nights, craft nights, movie and discussion nights and schedule community meetings. The Center includes a computer lab and the Kitty Wagner Cultural Resource Library, providing books, magazines, newspapers and videos.

Latin American Cultural Center: This cultural center serves as a place for Latino students to celebrate their cultural identity and share it with the larger UMass Amherst community. Social and cultural events organized by the students are open to the public. The Center is equipped with computers, couches, TV and radio. Typical events hosted by the Center in the past include: Latino Comedy Night, Salsa Workshops, Pina Colada and Carnaval Latino.

Malcolm X Cultural Center: The Malcolm X Cultural Center is a multifunctional site that provides space and opportunity for students to develop educational and social activities that enhance and broaden the awareness of the UMass Amherst campus, fellow students and the Five College area community with regards to issues that focus on the African Diaspora. The Malcolm X Cultural Center’s goal is to promote community involvement in relation to these issues. The Center annually coordinates a series of campus programming for Black History Month in February.

Yuri Kochiyama Cultural Center: The Yuri Kochiyama Cultural Center aka "the YKCC" is the Asian Cultural Center on the UMass campus. The Center sponsors and organizes cultural and social events throughout the year that create a sense of community for Asian and Asian Americans students and educate the UMass Amherst campus about Asian culture. The YKCC has an office and activities room underneath the Oak Room in the Worcester Dining Commons. The cultural center is used by the YKCC and the various Asian student organizations for meetings and events. The YKCC also annually coordinates Asian Awareness Month in April.

Legacy Living Communities
These communities make it possible for students to live with others who share their interests, ethnicity, identity, or worldview. All of these programs create a supportive living and learning environment that encourages personal growth and academic achievement. These are especially good choices for transfer students and upper-division students who are looking for their niche on campus. UMass Legacy Living Communities include: Asian American Student Program, Harambee African Heritage, 2 in 20 floor, Kanonhsesne: Native American Floor, NUANCE: Multicultural Student Program, & the Lewis International Student Program.

Residential Academic Programs (RAPs)
Several RAPs focus on diversity in particular, Emerging Scholars which is a pipeline into Commonwealth Honors College and a Multicultural America themed RAP which includes Information Literacy & Research, a spring course targeted to underrepresented student populations.

Chelsea & Springfield Compacts
As part of larger partnerships with the Springfield Public Schools and the City of Springfield, UMass Amherst gives Chelsea and Springfield high school students whose families participate in FUEL (Families United in Educational Leadership) and the Access Springfield Promise Program (ASPP), who are admitted to campus, and who meet federal income and eligibility requirements, up to $13,000 a year toward their tuition and fees. Through the Chelsea Scholars Program and the Springfield Scholars Program, high school students with the greatest potential, who have demonstrated commitment and talent and who have overcome significant odds in their educational background, are eligible to become Chelsea or Springfield Scholars. This extraordinary award is available to as many as 25 Chelsea and 20 Springfield students each year and covers the costs of tuition, fees, room, and board. These students attend UMass Amherst and graduate debt free.

Student Bridges
Student Bridges is a student-initiated outreach program that connects UMass students with local community-based organizations and schools through tutoring-mentoring partnerships, college awareness activities, and policy advocacy. The program has primarily partnered with schools and programs in the Holyoke-Springfield area.
Isenberg School of Management - DiMES (Diversity in Management Education Services)
DiMES allows students to gain an edge by presenting a true image of today’s business profession and it works in collaboration with a variety of programs in Springfield and schools as well as nationwide.

College of Engineering – Diversity Programs Office
DPO provides academic and non-academic support to increase enrollment, retention and graduation among under-represented minorities and women. The goal is to assist students in achieving their academic goals by offering services and programs that include seminars, academic assistance and access to undergraduate research and scholarship opportunities.

Northeast Alliance for Graduate Education and the Professoriate (NEAGEP)
NEAGEP sponsors a number of activities to address the shortage of U.S. students, particularly underrepresented minority students, who receive Ph.D.s in the sciences, technology, engineering and mathematics (STEM) and become professors. NEAGEP works closely with Partner and other institutions to encourage and prepare students for graduate work.

Postbaccalaureate Research Education Program (PREP)
PREP encourages students of underrepresented groups who hold recent baccalaureate degrees to pursue doctorates in biomedical sciences. PREP participants work as apprentice scientists in laboratories and participate in professional development activities, as well as taking a course per semester.

Registered Student Organizations & Fraternities and Sororities
UMass currently has 24 cultural and academic ALANA specific Registered Student Organizations that provide a variety of cultural nights, educational events and workshops, and peer mentoring throughout the year. UMass also has 13 ALANA fraternities and sororities and a Multicultural Greek Council.

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

Workplace Learning and Development offers several workshops for under-represented groups. In "Days of Dialogue", faculty and staff make significant gains in their understanding of themselves and others, in their ability to create positive relationships and empathically identify with people unlike themselves, in their understanding of the complex social world around them, and in their willingness to work toward a more diverse democratic society on campus and off.

In "Diversity, Inclusion and Equity", faculty and staff explore the benefits of a diverse workforce, and how to promote inclusion and equity in the workplace. It will focus on developing skills for effective cross cultural communication and how to be an ally. Participants will explore their own diversity and discuss what diversity looks like in their area. They will also learn how to interact in a mutually beneficial way on a diverse campus.

CTFD Campus-Wide Programs. Center for Teaching and Faculty Development ("CTFD") programs are voluntary and typically open to all full-time UMass Amherst faculty. However, our data suggests that large numbers of women and faculty of color elect to participate in our programs. For example, during 2011-2012, the CTFD sponsored 24 programs for faculty across career stages and disciplines. Women comprised 52% of unique faculty participants, and faculty of color 23%. During 2008-2009, we sponsored 21 programs for faculty across career stages and disciplines. Women comprised 54% of the participants, and faculty of color, 35%. And in 2007-2008 the CTFD sponsored 15 programs for faculty across career stages and disciplines. Women comprise 58% of the participants, and faculty of color, 33%.

Mutual Mentoring Initiative. In 2005-06, the CTFD was charged with the design and implementation of a campus-wide mentoring program to support the professional development needs of new and early-career faculty working toward tenure. We developed a network-based model of support entitled “Mutual Mentoring,” which encourages pre-tenure faculty to build networks of “mentoring partners” in non-hierarchical, collaborative, and cross-cultural relationships. The program is supported by the Andrew W. Mellon Foundation (2006-10 and 2010-13). It is operationalized through two grant programs:
• Team Grants are one-year grants of up to $10,000 that support voluntary, faculty-designed mentoring teams at the departmental, school/college, or interdisciplinary levels.
• Micro Grants are very similar to Team Grants with two notable exceptions: the award limit is up to $1,200, and only pre-tenure faculty are eligible to apply.

The CTFD distributed 10 Mellon Mutual Mentoring Team Grants and 10 Mellon Mutual Mentoring Micro Grants in 2011-2012, which supported the work of 137 faculty members.

Mutual Mentoring programs have been exceptionally popular among faculty of color and women. In four years, 54% of all faculty of color on campus have elected to participate. During the same time period, nearly half (48%) of all full-time female faculty have also elected to participate. Grants that have focused on the professional development of underrepresented groups include: “Blacklist, “A Network for Women Faculty of Color; Inter-institutional Mentoring: Women, Gender, Sexuality Studies at UMass Amherst and Africana Women’s Studies at Bennett College; African American Studies Faculty Cluster; UMass Amherst/Five College Asian Pacific American Studies; Work-Life Network; and, Life Sciences Women

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

The Women of Color Leadership Network (WOCLN) celebrates and supports the accomplishments and endeavors of Black/African American, African, Latina, South American, Chicana, Asian-Pacific Islander, South Asian, Native American, Middle Eastern, Arab/Arab American, Caribbean, Biracial and Multiracial, and all Indigenous women in the Five College region of Western Massachusetts.

We also have a resource center for LGBTQ students, faculty and staff, and they offer regular support groups and other programing.

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

http://www.umass.edu/multiculturalaffairs/about/
Support Programs for Future Faculty

Responsible Party

Victoria Rosen
Sustainability Communications & Marketing Manager
University Relations

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.

Submission Note:

http://www.umass.edu/prep/

"---“ 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:

1) Northeast Alliance for Graduate Education and the Professoriate (funded by NSF and UMass Amherst)
   • Provides first- and fifth-year fellowships for underrepresented minority doctoral students in science, technology, engineering and mathematics (STEM) disciplines at UMass Amherst.
   • Provides mentoring, networking and professional development activities for underrepresented minority post-baccalaureate and doctoral students in STEM disciplines at UMass Amherst.
   • Provides one-year paid internships that include course work, research and professional development activities in STEM disciplines.
   • Includes 8-week summer research program for underrepresented minority students who have graduated within the past 36 months in a STEM discipline, but have not been accepted to a doctoral program.
   • Provides travel funds for doctoral students to attend national and international scientific meetings
2. Postbaccalaureate Research Education Program (funded by NIH)

- Provides one-year paid internship program for students who have graduated within the past 36 months with a degree in a STEM discipline, but have not been accepted to a doctoral program.

- Includes GRE preparation.

- Focuses on independent research.

- Provides tuition and most fees for courses that prepare students for doctoral work.

- Provides travel funds for students to present their research at national meetings.

- Provides near-peer and multi-tier mentoring.

- Sponsors monthly social and professional development activities.

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

http://www.umass.edu/prep/

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

http://www.neagep.org/
Affordability and Access Programs

Responsible Party

Victoria Rosen
Sustainability Communications & Marketing Manager
University Relations

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.

Submission Note:

http://www.umass.edu/umccc/

*http://www.umassulearn.net/programs/summer/powerup
(please note: all Community Scholarship scholars have their fees for this program covered by the University)

http://www.umass.edu/ccebms/CCEBMS_Services.html

"---" 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:
In 2012, UMass Amherst reestablished an Upward Bound TRIO program for high school students in Springfield. The new program involves students from the High School of Commerce as well as Springfield High, an alternative school for students with learning and emotional disabilities. UMass Amherst, in partnership with both school's staff, has programming in place that includes tutoring, career counseling, academic and social support, as well as visits to colleges.

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

The cost of attendance is based on enrollment, residency and housing, however, the campus has institutionally funded need based aid programs to assist students in covering educationally related costs.

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

As mentioned in previous entry all faculty and staff are given the opportunity to take part in Workplace Learning and Development programs that provide employees with the opportunity to improve their cultural competence and awareness of issues related to equity, diversity, and inclusion (including issues of socio-economic difference among students, faculty, and staff within departments and throughout the university).

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

To assist first generation and low-income students with transitioning from high school to the UMass Amherst campus, all Community Scholarship** students are given the opportunity to participate in the school's Power Up For Success program, which provides a three-day orientation on navigating the university, study skills, resources the university provides for academic success and co-curricular and experiential programs. Students are also given the option to live in EPOCH, the all-freshmen residence hall.

In addition, UMass Amherst provides an academic support program specifically geared toward first generation college students through the Committee for the Collegiate Education of Black and Other Minority Students (CCEBMS, pronounced “SEBBS”).

CCEBMS was designed and developed in 1967 by a group of concerned Black faculty and staff members from the Five College area. The first CCEBMS class, in 1968, consisted of 125 black students. Over the years, thousands of 1st generation students from various ethnic and economic backgrounds, including white and nontraditional students, have completed their college education with the support of the CCEBMS program.

The program enhances the quality of student life in and outside the classroom, through planning, implementing, new innovative academic enrichment programs for students who are largely under-represented at the university. The program provides students with a welcoming and supportive environment that enables them to excel in their academics and complete their studies.

**A brief description of the institution's scholarships for low-income students:**
The campus has institutionally funded need based aid to assist low income student in paying for educational expenses. In addition, the campus participates in Federal Title IV and State financial aid programs.

**The Amherst campus provides Community Scholarships to first generation and low-income students. This is an annual $5000 award renewable for four years. The flagship campus budgeted $1,140,000 dollars to support this program annually.**

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

The admissions office regularly visits high schools in major urban areas throughout New England, New York, New Jersey, Pennsylvania, Florida, California, Texas and select cities across the country. Admissions staff provide helpful informational resource materials at each location and these resources are also made available online. Each visit includes meetings with students, parents, and school counselors at individual high schools and college fairs. See parent resources here:

http://www.umass.edu/umfa/parents/

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

We visit most high schools in the state of Massachusetts, specifically in the cities of Boston, Lowell, Worcester, Springfield, Lawrence, and Holyoke, where many low-income students attend high school. Additionally, the Visitor’s Center hosts over 2,000 students each year that are participants in college preparatory programs such as Talent Search, Upward Bound, and Gear Up. These programs are typically for students from low-income families.

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

The Admissions Office also has extensive contacts with the Community Colleges in the Commonwealth. The Community College Compact (CCC) was introduced to expand and reinforce access to university through the existing Joint Admissions Program and the Mass Transfer Program. Community college graduates are guaranteed admission if they meet certain criteria. The CCC also provide priority review of their application, transfer credit, financial aid consideration and access to certain housing and registration options.

Throughout the admissions process, the university seeks to recruit and enroll students that will support the University’s mission: “The University's mission is to provide an affordable and accessible education of high quality and to conduct programs of research and public service that advance knowledge and improve the lives of the people of the Commonwealth, the nation, and the world”.

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

Community College students accepted as a Joint Admissions or MassTransfer graduate with a 3.0 or higher cumulative GPA, are eligible for the Tuition Advantage Program. This provides a 33% tuition waiver from the state of Massachusetts, and additionally UMass Amherst will waive the remaining 67% of in-state tuition, resulting in a full tuition waiver if the student meets the following requirements:

Attend UMass Amherst no later than one year after graduation
Enroll at UMass Amherst continuously until graduation
Maintain a 3.0 or higher UMass Amherst GPA after enrollment
Benefits are for up to two years for full-time students and may be adjusted to a longer period for part-time students.

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

---

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

http://www.umass.edu/umfa
Gender Neutral Housing

Responsible Party

Victoria Rosen
Sustainability Communications & Marketing Manager
University Relations

"---" 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:

Room Selection Process
Residential Life Statement Regarding Transgender Students

Residential Life, in conjunction with the Dean of Students Office, has set up a referral process for transgender students to provide assistance in selecting the best housing option for their particular needs. Current and new transgender students are encouraged to contact the Housing Accommodations Staff in Residential Life:Student Services. Please email

hsngaccom@gw.housing.umass.edu

for more information.

Gender-Free Living Option

Students whose gender identity is in transition or who do not want to identify a gender and their allies may request gender-free housing within the 2 in 20 floor community. If you are a returning or incoming student interested in the gender-free housing option, email the Housing Accommodations Staff at the Student Services Office:

hsngaccom@gw.housing.umass.edu

for more information.

For additional support and resources regarding transgender student issues and concerns, you may contact the Stonewall Center, the Bisexual, Gay, Lesbian, Queer and Transgender Educational Resource Center.

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

http://www.umass.edu/stonewall/transguide/
Employee Training Opportunities

Responsible Party

Victoria Rosen
Sustainability Communications & Marketing Manager
University Relations

"---" 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:

1. INTERGROUP DIALOGUES
Intergroup Dialogue is a unique effort to engage people in sustained engagements with others from varied racial, gender and class backgrounds and other areas of social differences. Conducted by specially trained facilitators, we have found it possible in these settings for students, faculty and staff to make significant gains in their understanding of themselves and others, in their ability to create positive relationships and empathically identify with people unlike themselves, in their understanding of the complex social world around them, and in their willingness to work toward a more diverse democratic society on campus and off.

2. SUPERVISORY LEADERSHIP DEVELOPMENT PROGRAM
This certificate program offers in-depth training for supervisors and managers who seek to establish or enhance the broad range of knowledge, skills, and abilities required for effective supervision. The SLDP is organized around the core practices of: Managing Self; Managing Others; Managing the Work; and Managing the System. The program covers topics such as Performance Management, Creating a Respectful Workplace, Organizing and Delegating, and Campus Policies.

In this program, you will have the opportunity to talk and network with others who may share the same challenges and experiences of supervision. We will explore the scope of management practices for effective supervision. The series will also pay particular attention to increasing supervisory expertise in diversity and multiculturalism as an integral aspect of successful supervisory leadership.

3. MANAGING MULTIPLE GENERATIONS
Increasingly, managers and supervisors are working with multiple generations in the workplace. The differences among the generations can be one of the greatest challenges facing managers today. In this workshop, we will explore generational differences in employees’ work expectations, attitudes, and motivators as well as differences in communication style, work-life balance and interactions with others. We will discuss ways of working productively with different generations and learn how to diffuse workplace tensions when people of different generations-working side by side don’t understand each other.

4. DIGNITY VS. DISRESPECT AT WORK
Today’s workplace brings us together with people who may be very different from ourselves. Our definitions and practices of respect vary with our family backgrounds as well as with our social identities such as class, race, and gender. This workshop will explore individual and organizational approaches to first notice and deal with the behaviors of a bully before a situation escalates and second to develop and foster respect in the workplace.
Session I: Bullying In the Workplace
• Learn how to identify bullies and bullying behavior
• Examine strategies and resources for dealing with bullying
• Look at workplace characteristics that can contribute to or prevent bullying

Session II: Respectful Workplace
• To recognize how your own social identities influence your definition of respect
• To identify different styles and approaches to giving and gaining respect
• To model and foster respect in your own workplace

5. CUSTOMER SERVICE SERIES
As employees of this UMass campus, each of us plays an integral role in the success and reputation of the institution. Every interaction with our customers is an opportunity to support and further the mission and goals of this campus. This series provides direct learning opportunities to understand and practice skills, and create processes that support excellence in customer service in this diverse and changing world. Sessions may be taken as individual workshops, however, participants must complete all three workshops in this series to receive a certificate. To sign up for the series, you must register for each workshop separately.

Session I: Basic Customer Service Skills
• Provide excellent customer service
• Use self-evaluation to gauge your customer service effectiveness
• Implement successful techniques for in-person and phone customer interaction
• Apply customer-service practices to your workplace

Session II: Managing Challenging Customers
• Solve problems for effective customer service
• Deal successfully with difficult customers
• Anticipate, prevent, and defuse difficult situations
• Spot warning signs of a possibly violent customer and when to ask for help
• Recognize your own customer service hot spots

Session III: Multicultural Customer Service
• How cultural lenses influence our work
• To recognize when cultural differences impact our service effectiveness
• Practices for assuring cultural sensitivity in customer service
• To improve your workplace’s multicultural effectiveness

The website URL where information about the trainings and activities are available:
http://www.umass.edu/wld
Student Training Opportunities

Responsible Party

Victoria Rosen
Sustainability Communications & Marketing Manager
University Relations

Submission Note:

http://www.umass.edu/multiculturalaffairs/about/

http://ualc.umass.edu/rap/completelistofraps/socialjusticeactivism/

"---" 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:

Activities and training are available to all students through the Center for Multicultural Advancement and Student Success (CMASS). CMASS is a student centered learning agency within the division of the Center for Student Development.

By serving as a campus resource that facilitates and promotes a learning community that acknowledges, appreciates and values multicultural understanding and exchange, CMASS strives to advance the personal, academic and professional success of diverse populations of students, staff, faculty and the larger university community.

The Cultural Enrichment activities conducted as part of CMASS focus on expanding and deepening intentional learning skills while supporting cultural sustainability and intellectual diversity. Student staff who take part in these activities work to enhance programming for cultural awareness theme months, provide opportunities for co-curricular social and mentoring engagement with faculty and staff, and support student initiated collaboration between cultural registered student organizations (RSOs), as well as developing other cultural education programs and activities.

In addition to activities available through CMASS, incoming first year students in 2013 were given the opportunity to join a Residential Academic Program (RAP) focused on Social Justice & Activism. This program was designed to explore themes of social change from multiple perspectives, and their relevance to current issues at UMass Amherst and in the world at-large.

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

http://www.umass.edu/multiculturalaffairs/programs/
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.

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Sustainable Compensation

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.

Submission Note:

Note on 2014 date: new collective bargaining agreement contracts have begun being negotiated as of January 2014, per regular contract cycle. As mentioned above, the collective bargaining process for compensation provides an avenue for union representatives and management to jointly seek compensation which each side believes is sustainable compensation.

Compensation policies and practices will vary by collective bargaining agreement. Compensation for non-exempt (classified employees) is defined by job classification, step and grade. Salary grade and step schedules for non-exempt employees can be found in the following collective bargaining agreements:


Compensation policies and practices for exempt employees can be found in the following collective bargaining agreement and salary administration program:

General updated links to bargaining agreements can be found here:

Note that our listing "---" indicates that no data was submitted for this field

Total number of employees working on campus (including contractors):
5,199

Number of employees (including contractors) that the institution ensures earn sustainable compensation:
5,199

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

Over 95% of campus employees are covered by collectively bargained agreements. The collective bargaining process for compensation provides an avenue for union representatives and management to jointly seek compensation which each side believes is sustainable compensation.

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:
2,014

The website URL where information about the institution’s compensation policies and practices is available:
Employee Satisfaction Evaluation

Responsible Party

Victoria Rosen
Sustainability Communications & Marketing Manager
University Relations

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?:

Yes

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

In January 2014 the UMass Amherst Human Resources Department partnered with Buck Consultants, an external firm specializing in HR management, to conduct a review of employee satisfaction with HR services and programs across the campus.

UMass also conducted a Workplace Bullying Survey of all UMass employees in 2012 in order to assess the nature and extent of their overall work experiences and their familiarity with workplace bullying. This is the first stage of a campaign aimed at spreading awareness about workplace bullying and ultimately to increase safety, respect, and overall employee satisfaction. The campus followed up that survey by requiring a mandatory 90 minute training for all staff to take place in spring 2014 on the subject of workplace bullying and environmental awareness.

UMass Amherst also partnered with a third-party program run through the Chronicle of Higher Education to evaluate employee satisfaction. The “Great Colleges To Work For Program” is an annual survey designed to recognize institutions that have been successful in creating great workplaces and to further research and understanding of the factors, dynamics and influences that have the most impact on organizational culture at institutions of higher education.

UMass Amherst is listed among the Chronicle of Higher Education’s “Great Colleges to Work For 2011” in the area of tenure clarity and process. The CHE says “The university tries to ‘demystify the tenure process’ for faculty, one administrator says. It notes that all junior faculty in their third year have pre-tenure reviews with the provost’s office and can attend workshops to learn more about the process.(Chronicle of Higher Education, 7/25/11)

At the core of the program is a two-part assessment process: a faculty/employee survey (The ModernThink Higher Education Insight Survey©) and an institutional audit capturing information detailing various institution demographics, polices, practices and infrastructure (The ModernThink Institution Questionnaire©).
The survey is anonymous, and is sent to a sample of administrators, faculty and staff. Our Office of Institutional research receive high level summaries of the survey results.

The year the employee satisfaction evaluation was last administered:

2,014

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

http://www.workplacebullying.org/2013/06/07/amherst/
Staff Professional Development in Sustainability

Responsible Party

Victoria Rosen
Sustainability Communications & Marketing Manager
University Relations

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:

UMass Amherst hosts the US Green Building Council Chapter for Western Massachusetts. Regular webinars are offered that are open to all UMass staff and faculty.

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

http://www.usgbcma.org/
Sustainability in New Employee Orientation

Responsible Party

Victoria Rosen
Sustainability Communications & Marketing Manager
University Relations

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:

Our HR department conducts weekly orientation sessions for all new benefited employees (staff, faculty, and graduate students). During this orientation they cover a selected set of University and Campus policies: these include the campus's sustainability goals, and materials summarizing these goals are given to each new employee.

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

---
Employee Sustainability Educators Program

Responsible Party

Victoria Rosen
Sustainability Communications & Marketing Manager
University Relations

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:
5,199

Program name (1st program):
Green Office Program

Number of employees served by the program (1st program):
2,170

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

Each participating office in the Green Office Program has one or two Eco-Leader volunteer employees in that respective office. Those Eco-Leaders are tasked with working with their entire department from the director/dean down to each employee to reach a "green" certification for their office. In some instances, Eco-Leaders are asked to volunteer for their office but usually these Eco-Leaders volunteer themselves out of interest.

Each Eco-Leader does peer-to-peer education within their office and attends the Eco-Leader forum which takes place each summer to share best practices with fellow employees. In some cases, like the Library, our Eco-Leaders meet with each other on a monthly basis in the Library.

Other educators include Sustainability Manager who oversees the Green Office Program.

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

Eco-Leaders are trained to follow the Green Office Program checklist for their office by participating in checklist walk-through's and meetings with our trained Student Sustainability Fellows.
A brief description of the staff and/or other financial support the institution provides to the program (1st program):
The Green Office Program is a program of Sustainable UMass which is supported by multiple departments. The Green Office Program lives fiscally within the Physical Plant budget.

The website URL where information about the program is available (1st program):
https://www.umass.edu/sustainability/get-involved/green-office

Program name (2nd program):
LEED Green Building Education

Number of employees served by the program (2nd program):
400

A brief description of how the employee educators are selected (2nd program):
There are multiple green building education programs open to all faculty and staff at UMass Amherst. These include LEED study groups, webinars, and green building symposiums.

Study Groups:
A capital projects manager partners with a faculty member in the Master in Environmental Science to train students and area professionals in becoming LEED Accredited; the course offers 3 credits upon successful completion of the test and utilizes a team base learning classroom to facilitate discussion among students and professionals. Students who have passed the examination are then trained to lead study groups organized by the UMass Green Building Council, a resident student organization, and participate in leading green building tours and supporting campus LEED projects. Sustainability education initiatives are also supported by the Green Building Committee and Master Plan Sustainability Committee in the form of public lectures and continuing education offerings (AIA and GBCI credited programs) that are open to the public and cover topics such as energy modeling, green building, sustainable communities and green infrastructure. Specific employee education programs are offer on the LEED rating systems and practical ways for managing green projects.

Webinars:
The campus has partnered with the USGBC MA Chapter in delivering pre-recorded LEED Webinars to campus staff and faculty for free. This series also provides Continuing Education credits for registered architects and LEED APs for a nominal feel of $10/seminar. The educators are LEED Faculty from the USGBC and the webinars are of highest professional quality

A brief description of the formal training that the employee educators receive (2nd program):
The Employee Educators facilitate conversations between students, staff and interested local professionals on the LEED rating system requirements and support study and practice for testing for the credential. Study materials are provided by the USGBC and GBCI; and the UMass Sustainability Guidelines are used as a tool for understanding our campus and how it benefits from the LEED Programs.

A senior campus and facility planner devotes part of her time to providing instruction and facilitating discussions on sustainability practices and LEED that are open to all faculty, students, professional and administrative staff. Study Groups that train participants for the LEED Green Associate and LEED AP BD+C exams take place in the fall and spring. This fall there will be an independent study course offered on Green Building strategies and practices. In addition, campus employees in Facilities & Physical Plant will bet trained on the
LEED rating system for Building Design & Construction, as well as for Operations & Maintenance. This program will also be open to the public.

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

The Physical Plant hires interns to work on the program along with the Sustainability Manager. The interns are paid interns who help develop and support the program. UMass provides meeting space on a weekly basis for committees and educational lectures/ Webinars, as well as free conference space for events.

All of the programs are free to the general public. CEU's are free to MA Chapter Members and UMass Staff through an arrangement with the MA Chapter. All events are advertised on the UMass Calendar of Events.

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

http://www.usgbcma.org/node/496

**Program name(s) (all other programs):**

---

**Number of employees served by the program(s) (all other programs):**

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**A brief description of how the employee educators are selected (all other programs):**

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

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

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**The website URL where information about the program(s) is available (all other programs):**

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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 Center for Early Education and Care (CEEC) offers full day and flexible schedule early education and care services for toddlers and preschool aged children (ages 15 months through five years) throughout the year on the UMass campus. The program is licensed by the Massachusetts Department of Early Education and Care (EEC) and accredited by the National Academy of Early Childhood Programs of NAEYC.

Children of CEEC engage in an educational program based on developmentally appropriate practices as delineated by NAEYC and benefit from the professionally trained full-time Teachers, as well as undergraduate student Assistant Teachers, interns, and volunteers. CEEC classrooms utilize the Project Approach curriculum model, conducting in-depth studies of topics that are of interest to the children. Children learn academic knowledge as well as problem-solving, critical thinking, and social skills while engaged in project investigations. Classroom programming supports children's emerging self-concepts and assist them in learning social skills. Teachers work with families to ensure that the curriculum meets the individual needs of each child and reflects the child's home culture in the classroom.

The website URL where information about the program, policy, or practice is available: 
http://www.umass.edu/ofr/familycenter.php
Employee Wellness Program

Responsible Party

Victoria Rosen
Sustainability Communications & Marketing Manager
University Relations

"---" 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:

The Faculty and Staff Assistance Program (FSAP) is a free, confidential service offering counseling, information, consultation and referrals for UMass Amherst employees, including faculty, staff, graduate employees and postdoctoral fellows; and employees of the UMass Five College Federal Credit Union.

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

http://www.umass.edu/uhs/services/fsap/
Does the institution offer a socially responsible investment option for retirement plans?:
Yes

A brief description of the socially responsible investment option for retirement plans:
The University of Massachusetts offers multiple socially responsible investment options through a 403(b) Elective Deferral Savings Plan, as listed below.
1. Fidelity Investments: Domini Social Equity Inv Class (DSEFX) fund
2. TIAA-CREF: categorized as socially responsible investment options: CREF Social Choice Account and TIAA-CREF Social Choice Equity Fund
3. Valic: VALIC Socially Responsible fund (US Equity), the VALIC Global Social Awareness Fund (Global Equity), Ariel (US Small Cap), and Ariel Appreciation (US Mid Cap) Funds.

The website URL where information about the program, policy, or practice is available:
http://www.domini.com/
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.

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Committee on Investor Responsibility

Responsible Party

Victoria Rosen
Sustainability Communications & Marketing Manager
University Relations

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.

Submission Note:

The UMass Foundation has committed to creating this committee via an official letter submitted in fall 2013 to the UMass Fossil Fuel Divestment Campaign, a student group on the UMass Amherst campus that originally contacted the Foundation in regards to this issue in the 2012 spring semester.

"---" 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:

Currently the formation of this committee is in the preliminary stages but with a formal commitment made on the part of the UMass Foundation via official letter drafted by Executive Vice President of the University of Massachusetts Foundation, Charles Pagnam by request of UMass President Caret.

Members of the CIR, including affiliations:

TBD, see above.
Recent examples (within the past 3 years) of CIR actions:

---

The website URL where information about the committee is available:

---
Shareholder Advocacy

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

Criteria

There are two possible approaches to earning this credit.

1) Institution filed or co-filed one or more shareholder resolutions that address sustainability or submitted one or more letters about social or environmental responsibility to a company in which it holds investments, during the previous three years.

and/or

2) Institution has conducted a negative screening of its entire investment pool within the last three years. This could take the form of prohibiting investment in an industry (e.g. tobacco or weapons manufacturing) or participating in a divestment effort (e.g. companies operating in South Africa during apartheid). The negative screen includes selling all but $2,000 or less of the affected direct holdings and writing a letter to all fund managers encouraging them to remove affected holdings as well.

Institutions for which investments are handled by the university system and/or a separate foundation of the institution should report on the shareholder advocacy activities of those entities.

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

Has the institution filed or co-filed one or more shareholder resolutions that address sustainability during the past three years?:
---

Has the institution submitted one or more letters about social or environmental responsibility to a company in which it holds investments during the previous three years?:
---

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

A brief description of how the institution (or its foundation) has engaged in shareholder advocacy that promotes sustainability during the previous 3 years. :
---
The website URL where information about the negative screen, divestment effort, and/or direct engagement with companies in which the institution holds investments is available:

---
Positive Sustainability Investments

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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 (CDFIs)
- Socially responsible mutual funds with positive screens.

Investment in a socially responsible mutual fund with only negative screens (i.e. one that excludes egregious offenders or certain industries, such as tobacco or weapons manufacturing) does not count for this credit.

Institutions for which investments are handled by the university system and/or a separate foundation of the institution should report on the investment policies and activities of those entities.

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

Total value of the investment pool:
---

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

Value of holdings in businesses selected for exemplary sustainability performances:
---

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

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

Value of holdings in socially responsible mutual funds with positive screens:
---
A brief description of the companies, funds, and/or institutions referenced above:

---

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

---
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?:

Yes

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

UMass Amherst established a Sustainability Innovation & Engagement Fund in August 2013. The fund started at $50,000 in available funds to allocate for the best sustainability engagement proposals on campus and is open to any campus community member. The proposals are vetted by the Student Steering Committee which includes student leaders from sustainability related registered student organizations (RSO's), Sustainable UMass, and Student Government Association.

The website URL where information about the fund is available:

https://www.umass.edu/sustainability/get-involved/sustainability-innovation-engagement-fund
Sustainable Investment Policy

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

"---" 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?:
---

A brief description of the sustainable investment policy:
---

The website URL where information about the policy is available:
---
Investment Disclosure

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

"---" 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.

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</table>
Community Sustainability Partnerships

Responsible Party
Victoria Rosen
Sustainability Communications & Marketing Manager
University Relations

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.

Submission Note:
The full link to the cite is:
http://www.mass.gov/?pageID=eoeeamodulechunk&L=1&L0=Home&sid=Eoeea&b=terminalcontent&f=eea_lbe_lbe_program&csid=Eoeea

"---" 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:
The Leading by Example Program (LBE) was established in April 2007 by Governor Deval Patrick’s Executive Order No. 484, "Leading by Example - Clean Energy and Efficient Buildings". The program is overseen by the Executive Office of Energy and Environmental Affairs (EEA) and the Executive Office for Administration and Finance (A&F). Within these two offices, various divisions and departments manage specific aspects of the program, including the Department of Energy Resources, Department of Environmental Protection, Division of Capital Asset Management, and the Operational Services Division.

The LBE Program encompasses all of Massachusetts’ executive agencies and public institutions of higher education. These agencies and institutions own 70 million square feet of buildings and 8,000 vehicles, employ over 65,000 people, and include 29 college campuses. Through various initiatives, LBE works to reduce the overall environmental impacts of state government operations, particularly climate and energy impacts. Executive Order 484 establishes higher energy efficiency standards in the operation of state buildings, setting short- and long-term targets and goals to advance clean energy and efficiency, and reduce greenhouse gas emissions that contribute to global warming. In addition, the LBE Program promotes sustainability activities within state government including waste reduction, water conservation, green buildings, alternative fuels, efficient transportation, and recycling.

UMass is also involved with the Pioneer Valley Planning Association. Together they have created a dialogue for sustainable change in the area. topic of planning and discussion include clean energy and land use and development.
Sage Sluter, a graduate student in landscape architecture and regional planning, has submitted a proposal to create an eco-industrial park at a former factory site in Greenfield. Her 67-page plan, which calls for rain gardens, small buildings with solar panels and open space, drew praise from Greenfield Mayor William Martin.

UMass is also involved in organizing a Western MA Branch of the US Green Building Council's Massachusetts Chapter and forging relationships between the university's green building committee, the USGBC MA Chapter, Western MA AIA, North East Sustainable Energy Association (NESEA), and Western MA Green Consortium.

The website URL where information about sustainability partnerships is available:

http://www.mass.gov/?pageID=eoeeamodulechunk&L=1&L0=Home&sid=Eoeea&b=terminalcontent&f=eea_lbe_lbe_program&csid=Eoeea
Inter-Campus Collaboration on Sustainability

Responsible Party

Victoria Rosen
Sustainability Communications & Marketing Manager
University Relations

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:

In spring 2009, the Five College Ink published an article about the sustainable approaches that are being used at the institutions. This link details the efforts around about cogeneration power plants, green buildings, transportation, sustainable dining, and other exciting initiatives:

http://www.fivecolleges.edu/sites/sustain/documents/5college_ink_2009-2010_sustainability_article.pdf

The Five Colleges Blue Sky Initiative, launched in December 2011, encourage suggestions, ideas, or fully developed proposals for new and improved sustainability initiatives. Over 500 proposals were received, and 18 projects were selected as semifinalists.

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

Amherst, Hampshire, Mount Holyoke, and Smith Colleges and the University of Massachusetts Amherst.

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

A variety of Five College sustainability studies programs and services offer opportunities and support for students who want to study the impact of humans on the environment. Current initiatives include a Five College lecture series, a website listing available courses and
programs, a Five College certificate in sustainability studies and affiliated faculty members, and a food and agriculture summer institute, at Hampshire Farm.

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

https://www.fivecolleges.edu/sustain/sandbox
Sustainability in Continuing Education

Responsible Party

Victoria Rosen
Sustainability Communications & Marketing Manager
University Relations

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.

Submission Note:

Course count of 72 come from the following course listings located here:

Sustainability Studies:

http://www.umass.edu/uww/sites/default/files/PDFs/UMassAmherst-online-course-sample-Sustainability.pdf
(40)

Sustainable Food and Farming:

http://www.umassulearn.net/programs/green-programs/sustainable-food-farming
(16)

Design and Historic Preservation:

http://www.umassulearn.net/programs/green-programs/master-science-design-historic-preservation
(9)

Sustainable Design/Build:

http://www.umassulearn.net/programs/green-programs/yestermorrow-design-build-school
(5)

Plant and Soil Science Certificate Program:

http://www.umassulearn.net/programs/certificate/soil-science
Please note, we also have certificates in:

Conservation/National Park Service Law Enforcement:
https://anpr.org/documents/FlyerUMASS.pdf

Turf Management (International Winter School for Turf Managers):
http://www.umassulearn.net/programs/certificate/international-winter-school-turf-managers

"---" 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:**

72

**Total number of continuing education courses offered:**

718

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

Yes

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

Sustainable Food and Farming Certificate Program
In this 16-credit, 5 course certificate program you will learn about sustainable farming methods and the education and policy changes needed to effect a global move to sustainable farming methods. The certificate will help prepare students in three areas of study:

Sustainable Farming Systems - this includes sustainable and organic plant and animal production systems for managing regionally focused (local) farms, organic farms, Community Supported Agriculture (CSA) farms, and personal homesteads.

Education - this includes youth education, citizen education, non-profit educational organizations, media work, and formal teaching relating to ecological food and farming.

Public Policy and Advocacy - this includes working directly with people and groups in coalitions such as community gardens, anti-hunger campaigns, and environmental protection groups, as well as non-profit advocacy organizations, government agencies, and personal citizen involvement in political and community change efforts.

Credits earned may be applied to the University Without Walls Sustainability Studies degree completion program, the UMass Amherst Bachelor of Science Degree in Sustainable Food and Farming.

Certificate program classes are open to all students with a GED or high school diploma.
Year the certificate program was created:
2,010

The website URL where information about sustainability in continuing education courses is available:
http://www.umassulearn.net/programs/green-programs
Community Service Participation

Responsible Party

Elena Sharnoff
Director of Communications, CNS
College of Natural Sciences

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.

Submission Note:

URL Updated on 11/24/13.

In 2008, UMass Amherst was granted the Carnegie status of 'Public Engaged Campus,' and we are reapplying in 2014. There are three units on campus that can provide information about student community service engagement:

1. The office of Community-Based Learning has created a database of classes, students, faculty, etc. involved in CBL:
   https://docs.google.com/spreadsheet/ccc?key=0Atiidgt5Z7IkdGhwVXFRTWpLN1J3Z0o5SmYyZzFtWUE&us p=sharing#gid=0
   Their estimate for 2013-2014: 3,903 students

2. Campus Greek organizations:
   http://www.umass.edu/greek/
   Their estimate: 5.5% of campus population
   based on full time student population of 2013-2014: 1,084 students

3. The Office of Student Life holds 2 community service days/year:
   http://www.umass.edu/studentlife/involved/community-service
   Their estimate for 2013-2014:
   Mass impact day: 400 students
   Volunteer week in spring: 200 students
   total number of known student volunteers:
   3,903 students
   1,064 students
   600 students
   = 5,567 students
This doesn't include students who volunteer in internships, during the summer, through their religious institutions, or during spring break, which is why we estimate a total of 6,500 students.

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

The number of students engaged in community service:

6,500

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

19,350

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

http://www.umass.edu/studentlife/involved/community-service
Community Service Hours

Responsible Party

Elena Sharnoff
Director of Communications, CNS
College of Natural Sciences

Criteria

Institution engages students in community service, as measured by average hours contributed per full-time student per year.

Institutions may exclude non-credit, continuing education, and/or part-time students from this credit.

Submission Note:

Our estimate here is that there are 6,500 students, each doing on average 1 hr/week during the academic year.

This is conservative - doesn't include any students going on alternative spring break trips (40 hours over a single week), or students doing summer volunteering or internships, work with their church, etc.

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

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

200,000

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

19,350

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

https://docs.google.com/spreadsheet/ccc?key=0Atiidgt5Z7IkdvzwVXFRTWpLNIkJ3Z0o5SmYyZzFtWUE&usp=sharing#gid=0
Sustainability Policy Advocacy

Responsible Party

Victoria Rosen
Sustainability Communications & Marketing Manager
University Relations

Criteria

Institution advocates for federal, state, or local public policies that support campus sustainability or that otherwise advance sustainability.

The policy advocacy must be done by the institution, not by students or a student group.

Submission Note:

In earlier years, Raymond S. Bradley, director of the Center for Climate Change, was one of many researchers affiliated with UMass Amherst who contributed to reports issued by the Intergovernmental Panel on Climate Change (IPCC). The reports earned the panel the 2007 Nobel Peace Prize, shared with environmentalist Al Gore.

The Nobel Committee granted the prize to the IPCC and Gore “for their efforts to build up and disseminate greater knowledge about man-made climate change, and to lay the foundations for the measures that are needed to counteract such change.” The three assessment reports issued explained the physical science basis of global climate change, predicted future impacts of climate change and suggested steps toward mitigation.

Research conducted by Bradley and Michael E. Mann detailed substantial human-induced rates of global warming in a 1999 paper that was the major highlight of the third IPCC assessment report. Mann, a former UMass Amherst post-doctoral researcher, is now a faculty member in the department of meteorology at Penn State University. Several former members of the UMass Climate System Research Center in the department of Geosciences also contributed to the reports.

"---" 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:

Scott Jackson, an extension Associate Professor in the Department of Environmental Conservation at UMA is one of many researchers and educators at the university whose research and work on conservation, climate and other vital sustainability related topics has informed, impacted and helped shape numerous local, state, federal and global policies on green initiatives over the last decade and beyond.
Jackson’s contributions to conservation in Massachusetts include co-founding the River and Stream Continuity Project, which developed standards for culverts and bridges to help minimize their impact on wildlife and river health and created approaches for prioritizing replacement of these road-stream crossings. These methods are now being used across New England and the northeast to protect and restore river continuity.

Jackson also led the use of underpass systems to facilitate wildlife movement across roads and in development of methods for evaluating the effectiveness of animal-passage structures, beginning with construction and evaluation of the Henry Street tunnels in Amherst in 1987, the first such structures in North America. This early experiment helped establish the foundation for widespread adoption of wildlife crossing structures in the U.S. and Canada.

Jackson also co-led the statewide Critical Linkages connectivity assessment completed in 2013 by the UMass Amherst landscape ecology program. Critical Linkages identifies the dams, road-stream crossings and road segments most important for conservation and transportation agencies to address in order to minimize the impact of these structures on wildlife movement and viability, while maintaining a safe and reliable transportation infrastructure.

For all of these efforts Jackson was named 2013 MA Conservationist of the Year by the Nature Conservancy in Massachusetts.

The website URL where information about the institution’s advocacy efforts are available:
http://www.umass.edu/newsoffice/article/jackson-named-conservationist-year-nature
Trademark Licensing

Responsible Party

Victoria Rosen
Sustainability Communications & Marketing Manager
University Relations

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.workersrights.org/about/as.asp

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

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

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

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

The website URL where information about the institution’s participation in the WRC, FLA, and/or DSP is available:
http://www.fairlabor.org/affiliates/colleges-universities
Graduation Pledge

Responsible Party

Victoria Rosen
Sustainability Communications & Marketing Manager
University Relations

"---" 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?:
---

A brief description of the graduation pledge program:
---

The website URL where information about the graduation pledge program is available:
---
Community Service on Transcripts

Responsible Party

Victoria Rosen
Sustainability Communications & Marketing Manager
University Relations

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

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

A brief description of the practice:
---

The website URL where information about the practice is available:
---
Farmers' Market

Responsible Party

Victoria Rosen
Sustainability Communications & Marketing Manager
University Relations

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

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

A brief description of the farmers’ market:

A student run farmers market is available every Friday in the Campus Center offering vegetables from the Student Organic Farm as well as CSA pick-up. All of the sustainable food groups on campus collaborated to create the UMass Amherst Student Farmer’s Market.

Featuring the UMass Student Farming Enterprise, The UMass Permaculture Garden and Gardenshare--this market produces and herbs for sale EVERY Friday starting September and going through November. Happening right along side the UMass Student Farming Enterprise CSA share pick-up.

The website URL where information about the market is available:
http://www.umass.edu/sustainability/green-campus/student-farmers-market
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.

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<td>Innovation 4</td>
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</tbody>
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Innovation 1

Criteria

1) Innovation credits are reserved for new, extraordinary, unique, ground-breaking, or uncommon outcomes, policies, and practices that greatly exceed the highest criterion of an existing STARS credit or are not covered by an existing STARS credit.

2) In general, innovation credits should have roughly similar impacts or be on the same scale as Tier One credits.

3) The innovative practice, policy, program, or outcome should have occurred within the past three years.

4) The innovative practice or program has to be something that the institution has already done; planned activities do not count.

5) An institution can only claim a particular activity as an innovation credit once. When re-submitting for a STARS rating, an innovation credit that the institution submitted previously cannot be re-submitted.

6) Practices, policies, and programs that were once considered innovative but are now widely adopted (e.g. being the first institution to enact a policy 20 years ago that is now common) may not be claimed as innovation credits.

7) Multiple activities or practices whose sum is innovative can be considered for an innovation credit as long as those activities or practices are related. For example, three innovative waste reduction programs in research laboratories could be listed together under a single innovation credit for Greening Laboratories. Listing a series of unrelated accomplishments or events under a single innovation credit is not accepted.

8) While the practices that led to receiving an award may be appropriate for an innovation credit, winning awards and/or high sustainability rankings in other assessments is not, in and of itself, grounds for an innovation credit.

9) Outcomes, policies, and practices that are innovative for the institution’s region or school type are eligible for innovation credits.

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

This credit was marked as Not Pursuing so Reporting Fields will not be displayed.
Innovation 2

Criteria

1) Innovation credits are reserved for new, extraordinary, unique, ground-breaking, or uncommon outcomes, policies, and practices that greatly exceed the highest criterion of an existing STARS credit or are not covered by an existing STARS credit.

2) In general, innovation credits should have roughly similar impacts or be on the same scale as Tier One credits.

3) The innovative practice, policy, program, or outcome should have occurred within the past three years.

4) The innovative practice or program has to be something that the institution has already done; planned activities do not count.

5) An institution can only claim a particular activity as an innovation credit once. When re-submitting for a STARS rating, an innovation credit that the institution submitted previously cannot be re-submitted.

6) Practices, policies, and programs that were once considered innovative but are now widely adopted (e.g. being the first institution to enact a policy 20 years ago that is now common) may not be claimed as innovation credits.

7) Multiple activities or practices whose sum is innovative can be considered for an innovation credit as long as those activities or practices are related. For example, three innovative waste reduction programs in research laboratories could be listed together under a single innovation credit for Greening Laboratories. Listing a series of unrelated accomplishments or events under a single innovation credit is not accepted.

8) While the practices that led to receiving an award may be appropriate for an innovation credit, winning awards and/or high sustainability rankings in other assessments is not, in and of itself, grounds for an innovation credit.

9) Outcomes, policies, and practices that are innovative for the institution’s region or school type are eligible for innovation credits.

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

This credit was marked as **Not Pursuing** so Reporting Fields will not be displayed.
Innovation 3

Criteria

1) Innovation credits are reserved for new, extraordinary, unique, ground-breaking, or uncommon outcomes, policies, and practices that greatly exceed the highest criterion of an existing STARS credit or are not covered by an existing STARS credit.

2) In general, innovation credits should have roughly similar impacts or be on the same scale as Tier One credits.

3) The innovative practice, policy, program, or outcome should have occurred within the past three years.

4) The innovative practice or program has to be something that the institution has already done; planned activities do not count.

5) An institution can only claim a particular activity as an innovation credit once. When re-submitting for a STARS rating, an innovation credit that the institution submitted previously cannot be re-submitted.

6) Practices, policies, and programs that were once considered innovative but are now widely adopted (e.g. being the first institution to enact a policy 20 years ago that is now common) may not be claimed as innovation credits.

7) Multiple activities or practices whose sum is innovative can be considered for an innovation credit as long as those activities or practices are related. For example, three innovative waste reduction programs in research laboratories could be listed together under a single innovation credit for Greening Laboratories. Listing a series of unrelated accomplishments or events under a single innovation credit is not accepted.

8) While the practices that led to receiving an award may be appropriate for an innovation credit, winning awards and/or high sustainability rankings in other assessments is not, in and of itself, grounds for an innovation credit.

9) Outcomes, policies, and practices that are innovative for the institution’s region or school type are eligible for innovation credits.

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

This credit was marked as Not Pursuing so Reporting Fields will not be displayed.
Innovation 4

Criteria

1) Innovation credits are reserved for new, extraordinary, unique, ground-breaking, or uncommon outcomes, policies, and practices that greatly exceed the highest criterion of an existing STARS credit or are not covered by an existing STARS credit.

2) In general, innovation credits should have roughly similar impacts or be on the same scale as Tier One credits.

3) The innovative practice, policy, program, or outcome should have occurred within the past three years.

4) The innovative practice or program has to be something that the institution has already done; planned activities do not count.

5) An institution can only claim a particular activity as an innovation credit once. When re-submitting for a STARS rating, an innovation credit that the institution submitted previously cannot be re-submitted.

6) Practices, policies, and programs that were once considered innovative but are now widely adopted (e.g. being the first institution to enact a policy 20 years ago that is now common) may not be claimed as innovation credits.

7) Multiple activities or practices whose sum is innovative can be considered for an innovation credit as long as those activities or practices are related. For example, three innovative waste reduction programs in research laboratories could be listed together under a single innovation credit for Greening Laboratories. Listing a series of unrelated accomplishments or events under a single innovation credit is not accepted.

8) While the practices that led to receiving an award may be appropriate for an innovation credit, winning awards and/or high sustainability rankings in other assessments is not, in and of itself, grounds for an innovation credit.

9) Outcomes, policies, and practices that are innovative for the institution’s region or school type are eligible for innovation credits.

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

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

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<td>Energy Use by Type</td>
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</table>
New Student Orientation

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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:

The Campus Sustainability Initiative is present at all NSO events throughout the calendar year. During the Spring NSO for accepted students the Campus Sustainability Initiative is the only student organization to hold an information session along with each academic program as well as tabling at the resource fair.

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:

Residential Directors who serve on the Chancellor's Sustainability Committee (Community Programming Sub-Committee) are in the process of developing this information.

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?:

---

Provide a brief description of the activities:

During the Fall NSO, the Campus Sustainability Initiative has been and the Permaculture Initiative hold information sessions as well as hands-on volunteer opportunities for students and their families to participate in. The Campus Sustainability Initiative will be offering Sustainable Bike Tours of Campus using the Bike Share program fleet in Fall 2013, and the Permaculture offers garden tours and
volunteer days as part of the NSO activities.

Does the institution make new student orientation more sustainable via efforts such as a zero-waste meal or carbon offsets?:
Yes

Provide a brief description of the efforts:
All large catered events on campus use local food and sustainable, zero waste options.
All events operated by Auxiliary provide:
1. 100% compostable disposables
2. Clearly labeled recipes and food sources
3. A commitment to purchase locally produced, sustainably harvested ingredients
4. Equipment that impacts the environment minimally
5. Incorporation of sustainability into HACCP Plans.

Does the institution incorporate sustainability into new student orientation in other ways?:
No

Provide a brief description:
---
Food Education

Criteria

Institution provides education about eco-positive food and gardening techniques.

This credit was marked as Not Pursuing so Reporting Fields will not be displayed.
Food and Beverage Purchases

Criteria

Institution provides details of its food and beverage purchases.

This credit was marked as Not Pursuing so Reporting Fields will not be displayed.
Confinement-Free Food Purchases

Criteria

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

This credit was marked as Not Pursuing so Reporting Fields will not be displayed.
Vegetarian-Fed Food Purchases

Criteria

Institution provides details of its vegetarian-fed animal product purchases.

This credit was marked as **Not Pursuing** so Reporting Fields will not be displayed.
Hormone-Free Food Purchases

Criteria

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

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

Criteria

Institution provides details of seafood products purchased that meet Marine Stewardship Council Blue Ecolabel standards and/or Monterey Bay Aquarium Seafood Watch guidelines.

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

Criteria

Institution provides details of the dishware its provides at its dining services locations.

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

Criteria

Institution provides details about its energy initiatives.

This credit was marked as Not Pursuing so Reporting Fields will not be displayed.
## Energy Use by Type

### Responsible Party

**Ezra Small**  
Sustainability Manager  
Physical Plant

### Criteria

Institution reports its energy use by type.

### Submission Note:

https://www.umass.edu/livesustainably/projects/award-winning-central-heating-plant

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

<table>
<thead>
<tr>
<th>Energy Source</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total electricity</td>
<td></td>
</tr>
<tr>
<td>Coal</td>
<td>0</td>
</tr>
<tr>
<td>Wind</td>
<td>0</td>
</tr>
<tr>
<td>Biomass</td>
<td>0</td>
</tr>
<tr>
<td>Natural Gas</td>
<td>72</td>
</tr>
<tr>
<td>Solar PV</td>
<td>0.10</td>
</tr>
<tr>
<td>Geothermal</td>
<td>0</td>
</tr>
<tr>
<td>Nuclear</td>
<td>0</td>
</tr>
<tr>
<td>Hydro</td>
<td></td>
</tr>
</tbody>
</table>
The percentage of total electricity use from other: 28%

Provide a brief description:
"Other" refers to purchased electricity from the utility grid. Natural gas is the primary fuel used in the Combined Heat and Power process.

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:
---

If cogeneration, please explain:
UMass Amherst produces roughly 72% of it's own electricity and 100% of it's own steam at its award winning combined heat and power Central Heating Plant. More info at link below:
Procurement

Criteria

Institution provides details about its procurement efforts.

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

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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:
24
Water Initiatives

Criteria

Institution provides details about its water initiatives.

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

Criteria

Institution provides details about its endowment.

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

Responsible Party

Ezra Small
Sustainability Manager
Physical Plant

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) :
7.50

FTE staff on payroll:
5

FTE student intern/fellow:
2.50