

# Harvard University

The following information was submitted through the [Campus Sustainability Data Collector](#) to be shared with Sierra magazine for consideration in their Cool Schools publication.

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

# Education & Research

## Co-Curricular Education

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

### Credit

Student Sustainability Educators Program

Student Sustainability Outreach Campaign

Sustainability in New Student Orientation

Sustainability Outreach and Publications

Student Group

Organic Garden

Model Room in a Residence Hall

Themed Housing

Sustainable Enterprise

Sustainability Events

Outdoors Program

Themed Semester or Year

# Student Sustainability Educators Program

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## Responsible Party

**Robyn Tsukayama**

Assistant Director

Office for Sustainability

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## Criteria

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

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

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

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

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

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

21159

## Program name (1st program) :

Resource Efficiency Program (REP)

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

10583

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

The Resource Efficiency Program (REP), a partnership between the Faculty of Arts & Sciences and the Office for Sustainability, employs undergraduate students to be representatives (REP Reps) to their peers in their dorms and houses. These students educate their peers on environmental issues while advocating for pragmatic environmental efforts, such as swapping bulbs for the most efficient fixture available, recycling, double-sided printing, and reducing food waste. The program also works with the administration to make sustainable changes in facilities and operations.

Community Based Social Market theories Tactics include running pledges, providing incentives, and peer-to-peer outreach. The House-based portion of the program centers around the "Green Cup" Competition, which is a year-long competition among the Houses focused on energy, waste, and food waste reductions, as well as participation rates in environmental events and contests.

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

The REPs for each house are selected through a competitive hiring process. The student positions are posted, applications reviewed, top students are interviewed, and a position offer is made to the most qualified students. Returning students who wish to be a rep a second year are given priority.

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

The Reps are trained and coached by the staff Rep Coordinator and the Captain of their group of Houses (an experienced student Rep). Training begins with an orientation at the beginning of the academic year, where they are given an overview of the program and goals. Reps meet as a group with the Coordinator bi-weekly throughout the year to review work plans and priorities. During these meetings, the coordinator and experienced Reps train the new Reps on the logistics, talking points, and other details of upcoming campaigns. Reps also have the opportunity to attend the annual New England Eco-Rep Symposium to share best practices and challenges with their peers at other institutions.

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

The REP program is part of the FAS (Faculty of Arts & Sciences) Green Program, which is a collaboration between the Office for Sustainability and the FAS. The REP program is run by a full time professional REP Coordinator, who is always a recent Harvard College graduate. The Program is funded primarily by the Faculty of Arts & Sciences, with some additional funding support from Harvard University Dining Services, and Campus Services Recycling Program.

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

<http://www.green.harvard.edu/rep>

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

Green Living Program - Harvard Business School

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

1912

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

The Green Living program, a peer-to-peer based program aimed at reducing environmental impacts of Harvard Business School (HBS) students and raising awareness about environmental issues among the student population. The program involves hiring of 7 HBS students (Student Sustainability Associate) to serve as student leaders in this area, running outreach campaigns and working with the Operations Department to identify and implement creative, practical projects on the campus. 10 additional students are selected by their first year sections to be the Green Representative for the Green Cup competition. This competition is year long with 6-8 events that the first year sections compete on to gain points for their sections.

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

The HBS Green Living Student Sustainability Associate Positions are competitive, and students apply and interview for the associate position based on their interest, passion, and experience.

The HBS Section Green Representatives are selected by their section by election or nomination.

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

The Student Sustainability Associates are trained and coached by the HBS Sustainability Engagement Manager and the Assistant Director of Sustainability and Energy Management. Biweekly group meetings are held meetings to review workplans and priorities.

The Section Green Representatives are coached by the HBS Sustainability Engagement Manager and the Common Space Student Sustainability Associate. The Student Sustainability Associate meets with each Section Representative on a regular basis and the Sustainability Engagement Manager meets with each Section Representative on a monthly basis.

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

The Green Living program is part of the HBS Sustainability Program, which is a collaboration between the Office for Sustainability and HBS. The Green Living program is run by a full time professional Sustainability Engagement Manager. The Program is funded by the Business School.

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

<http://green.harvard.edu/hbs>

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

Green Living Program - Harvard Law School (HLS)

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

1984

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

The Green Living program, a peer-to-peer based program aimed at reducing environmental impacts of Harvard Law School (HLS) students and raising awareness about environmental issues among the student population. The program involves hiring of 6 HLS students (Green Representatives) to serve as student leaders in this area, running outreach campaigns and working with the Operations Department to identify and implement creative, practical projects on the campus. 3 additional students are selected by their first year sections to be the Green Representative for the Green Cup competition. This competition is year long with 6-8 events that the first year sections compete on to gain points for their sections.

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

The HLS Green Rep Positions are competitive, and students apply and interview for the associate position based on their interest, passion, and experience.

The HLS Section Green Representatives are selected by their section by election or nomination.

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

The Green Reps are trained and coached by the HLS Sustainability Engagement Manager. Biweekly group meetings are held meetings to review workplans and priorities.

The Section Green Representatives are coached by the HLS Sustainability Engagement Manager.

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

The Green Living program is part of the HLS Sustainability Program, which is a collaboration between the Office for Sustainability and HLS. The Green Living program is run by a full time professional Sustainability Engagement Manager. The Program is funded by the Law School.

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

<http://green.harvard.edu/hls>

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

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

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

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

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

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

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

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# Student Sustainability Outreach Campaign

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## Responsible Party

**JAclyn olsen**  
Assistant Director  
Office for Sustainability

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### Criteria

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

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

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

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

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

The following impacts are not sufficient for this credit:

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

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

Yes

### The name of the campaign(s) :

Green Cup Competition

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

For the last nine years, the twelve houses have competed in the Resource Efficiency Program's (REP's) Green Cup competition. In Green Cup competition, the houses are ranked based on energy and waste reductions as well as their ability to create a culture of sustainability through "eco-projects" and green house committee activities. The Green Cup competition has been restructured this year and will now be composed of three separate awards and one overall winner. The houses with best performance in the categories of Participation, Resource Conservation, and Green House Committee will each earn recognition and a cash prize, while the house with the best score overall will

win the Green Cup trophy. The competition culminates with the Earth Day celebration and Green Cup award ceremony in April.

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

The total average electricity reduction across all 12 houses during the competition period (Oct 2011 - March 2012) was 4.3% (compared to a rolling 3 year baseline) and the winning house had an electricity reduction of over 16%.

The annual food waste audit conducted in all houses as part of this program showed a 21% drop since the previous spring, food waste is down 56% since 2005.

The aggregate recycling rate in all the houses (based on a snapshot waste audit) was 64%, data from last year is not available as a comparison, but this is higher than the University-wide recycling rate of 55%.

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

<http://green.harvard.edu/new-green-cup-2012>

# Sustainability in New Student Orientation

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## **Responsible Party**

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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### **Criteria**

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

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

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

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

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

Yes

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

Sustainability is featured in the orientation prominently both in written materials (handbook) and through activities such as tours, lectures and events. In addition, the College's first freshman "brain break" is environmentally-focused and includes an environmental fair where freshman receive re-usable mugs and signs an eco-pledge.

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

<http://news.harvard.edu/gazette/story/2011/09/starting-out-green/>

# Sustainability Outreach and Publications

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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## Criteria

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

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

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

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

Yes

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

The Office for Sustainability manages the Sustainability @ Harvard website, Twitter, YouTube and Facebook accounts which aggregate and curate stories and information about sustainability at Harvard.

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

<http://www.green.harvard.edu/>

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

Yes

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

The Office for Sustainability sends out a monthly green tip that serves as a regular newsletter to the community about how they can act sustainably. In addition the FAS Green Program sends out monthly program updates to their community which includes Harvard College

**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 Harvard Center for the Environment operates environment.harvard.edu to distribute information about student research. In addition the official newspaper, the Harvard Gazette, and Harvard's Schools regularly post stories and articles about students' environmental research. Every year the Office for Sustainability produces a Harvard Students Think Green video describing students green ideas.

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

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

Yes

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

Educational signage and video screens throughout Harvard's LEED and green building projects describe green features.

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

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**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 :**

Harvard Dining posts education signage and resources about sustainably produced and local, organic food choices

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

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

Yes

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

Harvard Landscaping posts signage on Harvard grounds about the use of pesticide/herbicide free organic landscaping

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

[http://www.uos.harvard.edu/fmo/landscape/organiclandscaping/education\\_and\\_outreach.shtml](http://www.uos.harvard.edu/fmo/landscape/organiclandscaping/education_and_outreach.shtml)

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

No

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

Sustainability items are included in Harvard's official mobile tour however.

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

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**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 :**

Harvard's CommuterChoice program distributes commuting choices guides at new employee orientation and regularly distributes the guides which also include a walking guide. Orientation every Monday details commuting options for all new Harvard employees. Freshman orientation packets outline transportation options for incoming students. Staff attend undergraduate and graduate student orientations & registrations throughout the year.

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

<http://www.commuterchoice.harvard.edu/#uos>

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

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Yes

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

Harvard's Schools provide guides and information to students about green living and how to take sustainable actions in their dorm room/housing.

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

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**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) ? :**

Yes

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

The Crimson newspaper dedicates a student reporter to sustainability and regularly posts stories.

**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)**

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Yes

**A brief description of this material :**

Harvard Green Building Services produces a monthly Green Building Tip which is distributed via email.

**The website URL for this material :**

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

Yes

**A brief description of this material :**

Harvard regularly produces and posts sustainability related videos on its YouTube channel:

<http://www.youtube.com/greenisthenewcrimson>

**The website URL for this material :**

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

Yes

**A brief description of this material :**

Harvard regularly posts and distributes sustainability material via social media on Twitter and Facebook

<http://www.twitter.com/greenharvard>

and

[www.facebook.com/greenharvard](http://www.facebook.com/greenharvard)

**The website URL for this material :**

<http://www.twitter.com/greenharvard>

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

Yes

**A brief description of this material :**

The Green Labs program has developed an online green labs guide which provides research with green tips for their labs.

**The website URL for this material :**

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

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**A brief description of this material :**

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The website URL for this material :

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

A brief description of this material :

The website URL for this material :

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

A brief description of this material :

The website URL for this material :

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

A brief description of this material :

The website URL for this material :

# Student Group

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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

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

Yes

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

The Council of Student Sustainability Leaders (CSSL) is a partnership between Harvard's environmental community and the Office for Sustainability. CSSL will meet three times per year to discuss the overarching goals that inform campus sustainability at Harvard: the Greenhouse Gas Reduction Goal, Green Building Principles, and Sustainability Principles. CSSL will provide feedback and recommendations on OFS's initiatives which will be compiled into a student advisory report for President Faust's GHG Reduction Executive Committee and GHG Task Force which will reconvene in 2012.

Harvard College Environmental Action Committee (EAC): The Harvard College Environmental Action Committee seeks to help achieve a sustainable world and protect the environment for its human and non-human inhabitants. To this end, the EAC aims to raise the consciousness of Harvard's students to the effect of their own actions on the environment and to their status as stewards of this planet's resources. We advocate specific changes at the campus, local, national, and international levels. Furthermore, we serve as a forum for discussion and a source of information on environmental issues. Finally, we seek to enrich our members through fun and fulfilling experiences.

Harvard Divinity School ECODiv: EcoDiv brings ecological perspectives to bear on the study and practice of religion and ministry, calling on students, staff, and faculty to attend to the ecosystem in the many academic disciplines and activities at Harvard Divinity School. EcoDiv promotes and hosts speakers, conversations, films, workshops, advocacy, and other events. EcoDiv was instrumental in starting the HDS community garden and works closely with the HDS Green Team to support infrastructure and behavior change at HDS. EcoDiv also offers religious awareness and sensibility to larger ecological efforts, through collaboration with other organizations to coordinate events and provide resources.

Harvard Environmental Law Society: the Harvard Environmental Law Society (HELS) is a non-partisan, not-for-profit organization directed and staffed by students at Harvard Law School. HELS provides students with hands-on exposure to the numerous issues in law, policy, science and management that confront professionals in the field of environmental law. Members participate in conferences, host speakers, take trips and collaborate with groups throughout the University and the world in their effort to address environmental issues.

Graduate School of Design Green Design:

Founded in fall 2005, GSD Green Design offers a platform to discuss the ways in which the GSD and students can contribute in a new way to the global green design discussion using the unique methodologies practiced at the GSD. We do this by hosting speakers, tours, exhibits and events which address issues of interest to multiple disciplines and schools at Harvard. We coordinate our efforts with those of other Harvard environmental groups such as the Harvard Environmental Society, the Environmental Action Committee and the Green Campus Sustainability Data Collector | AASHE | Sierra Magazine

Campus Initiative. Recognizing the need for healthy and pleasant living and working environments, we also strive to encourage proper use, recycling, composting and disposal of materials and food in Gund Hall and throughout Harvard.

#### Harvard Business School Energy and Environment Club:

The mission of the Energy and Environment Club is to support future business leaders interested in the important relationship between business and the environment through exposure to careers, industries, organizations, leaders, and business models. Members of the Energy and Environment Club are ideally positioned to identify, understand, and promote innovative environmental market opportunities and sustainability practices within the business community.

Harvard School of Public Health Environmental Health and Sustainability Club: The HSPH Environmental Health and Sustainability Student Club has been established to provide the Harvard community with an open forum specifically to facilitate the discussion of Environmental Health and Sustainability issues. This includes debates, speakers, and panels on issues of the environment and approaches to sustainability. This includes the relationship between these topics and human health, the science behind these linkages, and policy, law, and economic instruments to help reduce/avoid potential damage caused by these issues. The discussions also highlight the application of science and implications of these instruments in the occupational environment, environmental controversies, or other topics that the membership and officers deem pertinent to the membership.

Harvard Medical School Students for Environmental Awareness in Medicine (SEAM): SEAM was founded out of concern about escalating trends in environmental degradation and the absence of public discourse about the threat this degradation poses to human health. SEAM aims to address these issues within and outside of the Harvard Medical School (HMS) community. SEAM aims to educate and engage the HMS community around these important changes through lunch talks, films, and journal clubs. Furthermore, SEAM collaborates with the Longwood Green Campus Initiative on a number of projects to improve energy efficiency and recycling and to reduce waste among students and staff.

Harvard Climate Collaborative: The Harvard Climate Collaborative (HCC) brings together leaders of Harvard's environmental groups on a monthly basis to discuss individual and collective challenges in bringing more progressive environmental practices to our communities within and beyond Harvard. These discussions are a critical setting for peer collaboration and feedback, as well as an avenue for liaising with key administration members in an effort to voice student's concerns. The group facilitates two-way student-administration accountability, feedback, student-to-student collaboration and sharing of best practices. Additionally, the HCC provides a mechanism for institutional memory within the environmental community and dissemination of information via a comprehensive annual report. The annual report outlines the actions taken by one or many school-affiliated environmental groups and makes recommendations for improving sustainable practices on campus, especially in relation to the greenhouse gas reduction commitment.

Energy & Environment Professional Interest Council (EEPIC): The Energy & Environment Professional Interest Council (EEPIC) brings together students at the John F. Kennedy School of Government who are interested in energy and environmental issues, particularly as they relate to public policy, advocacy, development, and business. EEPIC provides a forum for education, networking, and career services across the energy and environmental spectrum.

Harvard Energy Journal Club (HEJC): A weekly journal club to facilitate discussion and understanding of the technical details of energy technology and energy economics. Each session, members will discuss a technical article regarding the science, technology, or economics of energy. HEJC's primary purpose is not to discuss policy issues, but rather it is to enable its members to develop the necessary technical background to better understand energy issues and policy.

Harvard College Council on Business and the Environment: The purpose of the Harvard College Council on Business and the Environment (CBE) is to provide the Harvard undergraduate student body with a means of exploring opportunities in business that have to do with issues of the environment. CBE's approach is two-fold: First, CBE aims to increase the visibility of the growing intersections between business and the environment among the student body by inviting speakers and organizing forums on campus. Second, CBE intends to provide Harvard undergraduates with tangible opportunities with which to exercise their interests on the subject of business and the environment. To accomplish this, CBE will facilitate both internships and full-time positions with a variety of companies and

organizations.

**Harvard Environmental Law Review:** The Harvard Environmental Law Review (HELR) has been published semi-annually, in winter and spring, since 1976. HELR publishes articles on a broad range of environmental affairs, such as land use; air, water, and noise regulation; toxic substances control; radiation control; energy use; workspace pollution; science and technology control; and resource use and regulation. HELR draws upon environmental experts from government, academia, private practice, industry and public interest groups to cover legal developments at the local, state, federal, foreign, and international levels.

**Harvard Extension Environmental Club (HEEC):** Established in 2004, The Harvard Extension Environmental Club (HEEC –better known as "The EC") is a club made up of students and alumni of the Environmental Management Program at the Harvard University Extension School. The mission of the EC is to provide a network and connection to the Harvard University Community at large by organizing social and environmental activities. The club activities include guest lectures, career network socials, field trips, site visits and participation in Earth Day and the Charles River Clean-Up Efforts. The EC has strong support from the Environmental Management Faculty and Teaching Fellows. With this support and partnership in place, The EC looks to provide support to all students that are looking to further their education towards a more sustainable environment for future generations.

**The Sustainability Educators Coalition (SEC):** The mission of the Graduate School of Education's environmental group, The Sustainability Educators Coalition, is to position sustainability at the forefront of the dialog at HGSE. Our mission has four core areas: 1) Serve as a student voice at the Ed School on issues of sustainability and environmental awareness; 2) Engage in "greening" the GSE campus through concerted facilities and behavioral changes; 3) Develop relationships with student and professional groups across Harvard and throughout the region to foster interdisciplinary dialogue; 4) Augment the traditional syllabus with curricular and extra-curricular educational programming and provide an increased range of exposure to leading theoretical and practical ideas in environmental education.

**Harvard Institute of Learning in Retirement Green Committee: Learning in Retirement Green Committee**

An active group of students in the Harvard Institute for Learning in Retirement who hold a week-long Green Fair, started a Green Team and take on other education and advocacy projects.

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

1. Create Harvard USGBC student chapter
2. Partnered on a lecture series: Sustainability and built environment
3. Launched - University-wide one day conference to address student's sustainability vision for Harvard
4. Successfully pushed for cage-free eggs at Harvard
5. Put together a demonstration on the yard exposing student's to renewable energies – what's happening on campus and types of careers in clean energy
6. Created a multidisciplinary performing art exhibit combining dance, music, and renewable energy technology.
7. Creating a medicinal garden as part of the Countways Community Garden
8. Student expanding Sense and Sustainability podcast featuring TED style talks on sustainability.
9. Building a brick pizza oven at the garden to increase garden exposure and create a space where people can spend quality time while learning about food.

**List other student groups that address sustainability :**

See Above

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

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# Organic Garden

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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

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

Yes

**A brief description of the garden :**

Harvard undergraduate students operate the Harvard Community Garden and staff and student operate the Harvard Divinity School Garden. Both produce educational events for the community and provide produce to dining facilities on campus.

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

<http://www.garden.harvard.edu/>

## Model Room in a Residence Hall

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

## Themed Housing

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

## Sustainable Enterprise

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

# Sustainability Events

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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### Submission Note:

<http://www.green.harvard.edu/thinksgreen>

<http://energy.harvard.edu/events/future/video>

<http://www.hbs.edu/environment/curriculum/activities/>

"---" 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) :

- Annual major Green Carpet Awards recognition event, 500 attendees, over 100 awardees.
- Annual Harvard Thinks Green event featuring senior faculty members speaking about their big green ideas; 2011 event included 2 nobel prize winners, and other senior faculty.
- Future of Energy and other environmental-themed speaker series hosted by the Harvard Center for the Environment.
- The school environmental clubs host speaker series with industry leaders on a regular basis - too numerous to list or mention here

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

<http://www.green.harvard.edu/greencarpet2012/winners>

# Outdoors Program

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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

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

Yes

**A brief description of the program :**

The student-run Harvard Outing Club organizing outdoor experiences for students and follows Leave No Trace Principles. The First Year Outdoor Program organizes wilderness trips for incoming freshman using Leave No Trace Principles:

<http://www.fas.harvard.edu/~fop/>

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

<http://www.hcs.harvard.edu/~oc/>

## Themed Semester or Year

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### Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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"---" 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 :**

Harvard College organizes a "Green'15" program for all incoming freshman where freshman come together to learn about sustainability and plan sustainability events/projects for the semester and year.

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

---

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

---

# Curriculum

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

## Credit

Sustainability Course Identification

Sustainability-Focused Courses

Sustainability-Related Courses

Sustainability Courses by Department

Sustainability Learning Outcomes

Undergraduate Program in Sustainability

Graduate Program in Sustainability

Sustainability Immersive Experience

Sustainability Literacy Assessment

Incentives for Developing Sustainability Courses

# Sustainability Course Identification

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## Responsible Party

**Kellie Corcoran**

Communications Coordinator

Harvard University Center for the Environment

---

## 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:

Harvard University as a whole has not identified its particular sustainability course offerings. However, the Harvard University Center for the Environment compiles an Environmental Course Guide, which has this breakdown.

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

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

No

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

---

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

No

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

---

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

Yes

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

<http://environment.harvard.edu/student-resources/course-guide/courses/search>

# Sustainability-Focused Courses

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## Responsible Party

**Kellie Corcoran**

Communications Coordinator

Harvard University Center for the Environment

---

## 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:

The 8,000 figure above represents 8,000 courses offered across Harvard College and its 12 graduate schools.

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

### The number of sustainability-focused courses offered :

102

### The total number of courses offered :

8000

### Number of years covered by the data :

One

### A list of sustainability-focused courses offered :

---

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

<http://environment.harvard.edu/student-resources/course-guide/courses/search>

### A copy of the sustainability course inventory :

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# Sustainability-Related Courses

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## Responsible Party

**Kellie Corcoran**

Communications Coordinator

Harvard University Center for the Environment

---

## 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:

The 8,000 figure above represents 8,000 courses offered across Harvard College and its 12 graduate schools.

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

## The number of sustainability-related courses offered :

104

## The total number of courses offered :

8000

## Number of years covered by the data :

One

## A list of sustainability-related courses offered :

---

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

<http://environment.harvard.edu/student-resources/course-guide/courses/search>

## A copy of the sustainability course inventory :

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# Sustainability Courses by Department

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## Responsible Party

**Kellie Corcoran**

Communications Coordinator

Harvard University Center for the Environment

---

### Criteria

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

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### Submission Note:

Total number of departments at Harvard College is 33. There are also 11 graduate Schools. Added together, they yield 44.

The answer above (27) includes BOTH departments that offer credits and graduate schools that offer credits. You'll notice an asterisk delineates the departments from the graduate schools.

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

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

27

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

44

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

Earth & Planetary Sciences

Environmental Science & Public Policy

Organismic & Evolutionary Biology

Government

History

Visual and Environmental Studies

Physics

Anthropology

Folklore

Sociology

East Asian Studies

Economics

Anthropology

Chemistry

Physics

History of Science

Human Evolutionary Biology

Psychology

School of Engineering & Applied Sciences

\*\*\*

Harvard School of Public Health

Harvard Kennedy School

Graduate School of Design

Harvard Medical School

Harvard Law School

Harvard Business School

Harvard Graduate School of Arts & Sciences

Harvard Extension School

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

---

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

---

# Sustainability Learning Outcomes

---

## Responsible Party

**Kellie Corcoran**

Communications Coordinator

Harvard University Center for the Environment

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## 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:

There were 42 graduates from the Sustainability & Environmental Management program in 2011. There were 8 graduates from the Masters in Design: Sustainable Design program in 2011. I added these numbers to yield the figure above. The total number of graduates represents those from all Harvard graduate schools in 2010.

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

### The number of graduates covered by the sustainability learning outcomes :

50

### Total number of graduates :

7315

### A list of degree programs that have sustainability learning outcomes :

Sustainability & Environmental Management at the Harvard Extension School; Masters in Design Studies: Sustainable Design at the Graduate School of Education

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

---

### A copy of the sustainability course inventory :

---

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

# Undergraduate Program in Sustainability

---

## Responsible Party

**Kellie Corcoran**

Communications Coordinator

Harvard University Center for the Environment

---

## 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? :

No

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

N/A

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

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

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

---

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

---

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

---

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

---

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

Campus Sustainability Data Collector | AASHE | Sierra Magazine

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# Graduate Program in Sustainability

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## Responsible Party

**Kellie Corcoran**

Communications Coordinator

Harvard University Center for the Environment

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## Criteria

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

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

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

---

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

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

Yes

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

Sustainability & Environmental Management

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

<http://www.extension.harvard.edu/degrees-certificates/sustainability-environmental-management>

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

Master in Design Studies: Sustainable Design

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

<http://www.gsd.harvard.edu/#/academic-programs/master-in-design-studies/sustainable-design.html>

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

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

---

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

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# Sustainability Immersive Experience

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## Responsible Party

**Kellie Corcoran**

Communications Coordinator

Harvard University Center for the Environment

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## Criteria

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

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

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

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

---

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

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

Yes

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

Harvard University believes universities have a special role and special responsibility in confronting the challenges of climate change and environmental stewardship. Harvard is dedicated to confronting these challenges both through academic research and by translating research into action on campus. Across Harvard's 12 plus Schools and departments, faculty, students and staff are working to create replicable models for how large institutions and organizations can engage their entire community around implementing innovative and economically-viable solutions that build a healthier, more sustainable campus.

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

<http://www.green.harvard.edu/commitments>

# Sustainability Literacy Assessment

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## **Responsible Party**

**Kellie Corcoran**

Communications Coordinator

Harvard University Center for the Environment

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## **Criteria**

### ***Part 1***

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

### ***Part 2***

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

---

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

### **Has the institution conducted a sustainability literacy assessment? :**

No

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

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 :**

N/A

### **A brief description of how the assessment was administered :**

N/A

### **A brief summary of results from the assessment :**

Campus Sustainability Data Collector | AASHE | Sierra Magazine

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N/A

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

---

# Incentives for Developing Sustainability Courses

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## **Responsible Party**

**Kellie Corcoran**

Communications Coordinator

Harvard University Center for the Environment

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## **Criteria**

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

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

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

---

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

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

No

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

N/A

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

N/A

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

---

# Research

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

## Credit

- Sustainability Research Identification
- Faculty Engaged in Sustainability Research
- Departments Engaged in Sustainability Research
- Sustainability Research Incentives
- Interdisciplinary Research in Tenure and Promotion

# Sustainability Research Identification

---

## Responsible Party

**Kellie Corcoran**

Communications Coordinator

Harvard University Center for the Environment

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## Criteria

### Part 1

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

### Part 2

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

### Part 3

Institution makes its sustainability research inventory publicly available online.

---

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

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

No

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

---

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

Yes

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

The Task Force on Science and Technology was convened by former President Summers in 2003 to identify needs and opportunities in scientific research at Harvard. Such an assessment would have two uses. First, it would ensure that in a rapidly changing world Harvard would continue to engage in the most promising areas of science and engineering. Second, the assessment would provide advice on the allocation of resources—both physical and financial—and how to organize scientific activities geographically given the new opportunities in Allston. The Task Force comprised faculty members from the three faculties principally involved in scientific research, Arts and Sciences—including the Division of Engineering and Applied Sciences—Medicine, and Public Health. Its membership included representatives of the major areas of natural sciences and engineering: biological sciences, physical sciences, engineering and applied sciences, and medical sciences. In addition the committee heard from social sciences engaged in the population sciences and in health policy. The Task Force found extraordinary variety in the subject, scale, and organization of research being conducted at the University.

From astronomy and physics to clinical investigation, from nanotechnology to analysis of complex systems, from individual hypothesis-driven science to large-scale team based projects requiring shared tools and infrastructure (such as the Center for Nanoscale Systems): Harvard's research endeavor is enormously creative, varied, and successful.

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

No

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

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# Faculty Engaged in Sustainability Research

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## Responsible Party

**Kellie Corcoran**

Communications Coordinator

Harvard University Center for the Environment

---

## 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:

Total number of researchers represents the number of full-time faculty members. We assume that all complete research as part of their position. The number of sustainability researchers is drawn from our list of Faculty Associates. To join our list of affiliates, their research interests lie in the environmental sector, and each person has completed sustainability research as part of this interest.

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

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

205

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

2242

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

---

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

<http://environment.harvard.edu/about/directory/faculty/A>

## 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 :**

---

# Departments Engaged in Sustainability Research

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## Responsible Party

**Kellie Corcoran**

Communications Coordinator

Harvard University Center for the Environment

---

## Criteria

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

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

---

## Submission Note:

We determined the 27 departments based on the home departments of our faculty associates.

There are 33 Harvard College departments and also 11 schools, which, when added together, yields the 44 figure above. Harvard Graduate School of Arts & Sciences has sub-departments, but for the purpose of making the count more precise, GSAS was counted as one entity.

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

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

44

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

27

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

---

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

<http://environment.harvard.edu/about/directory/faculty/A>

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

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# Sustainability Research Incentives

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## Responsible Party

**Kellie Corcoran**

Communications Coordinator

Harvard University Center for the Environment

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## Criteria

### Part 1

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

### Part 2

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

---

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

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

Yes

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

"The Center for the Environment's Undergraduate Summer Research Fund provides financial support for student research projects related to the environment. The Fund offers two types of research experiences for Harvard students:

- 1) Independent Research: The Center supports independent, original environmental research, usually towards a thesis and under faculty supervision/advice. Award amounts for independent research are usually between \$500-\$2,500.
- 2) Research Assistantship: This experience allows students to participate in summer research with Harvard faculty. The program offers funding for up to ten weeks and students are paid a competitive hourly wage.

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

<http://environment.harvard.edu/student-resources/undergraduate-summer-research-fund>

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

Yes

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

The Center for the Environment's seed grant program awards research grants up to \$300,000 to teams of faculty to seed large-scale, innovative, and exciting new projects on issues that address a major problem related to the grand challenges of energy and environment. The awards are intended to catalyze faculty collaboration on research that will have substantive impact on the world.

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

<http://environment.harvard.edu/grants/seed-grants>

# Interdisciplinary Research in Tenure and Promotion

---

## Responsible Party

**Kellie Corcoran**

Communications Coordinator

Harvard University Center for the Environment

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## Criteria

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

---

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

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

Yes

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

Since its establishment in 1992, the Provost's Office at Harvard has sought to foster collaboration across the University and manage changes in policies and practices that affect the academic life of the university as a whole. The Office and its Provost, Dr. Alan Garber, have broad responsibility for a variety of University-wide activities including fostering interfaculty collaboration in the sciences, social sciences, and humanities.

One of the core activities of the Provost's Office is fostering interfaculty collaboration. The University-wide character of the office and the close relationships nurtured with the schools place the Provost and the office in a unique position to facilitate collaborations across school boundaries. When approaching a specific problem or pressing need, solutions increasingly require the combination and application of knowledge derived from myriad sources traditionally dispersed across departments at universities. The promise of interdisciplinary programs is to reintegrate knowledge for the purposes of discovery. Interdisciplinary approaches significantly impact ways of teaching, learning, and research.

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

[http://www.provost.harvard.edu/interfaculty\\_collaboration/](http://www.provost.harvard.edu/interfaculty_collaboration/)

# 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.

---

### From the institution:

Harvard's comprehensive University-wide Green Building Standards for capital projects, renovations and building system upgrades \$100,000 and above require a smart design process incorporating life cycle costing, integrated design, energy modeling when applicable and other elements that ensure all sustainable design and operations opportunities are vetted and that performance requirements are achieved in a cost-effective manner (Adopted 2009, building on the 2007 Green Building Guidelines).

Harvard is a green building leader with more LEED project certifications than any higher education institution in the world. As of June 2012, Harvard has 75 LEED certified projects and 22 registered projects.

### Credit

Building Operations and Maintenance

Building Design and Construction

Indoor Air Quality

# Building Operations and Maintenance

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## Responsible Party

**Parker Bonnell**

Analyst

Office for Sustainability

---

## 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 majority of building managers are working to manage their buildings sustainably and are exploring opportunities for commissioning. For example, the retro-commissioning of the LISE lab building on campus resulted in realized savings of over \$520,000 and a reduction of 800 MTCDE.

<http://green.harvard.edu/lise-retro-commissioning-520k-annual-savings-and-800-mtcde-reduced>

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

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

24000000 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 :**

57869 Square Feet

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

6932 Square Feet

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

44041 Square Feet

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

<http://green.harvard.edu/green-building-services>

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

---

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

2009

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

Harvard's Green Building Standards seek to institutionalize green building practices for capital projects on campus by focusing on process-oriented requirements. The comprehensive Green Building Standards for capital projects, renovations and building system upgrades \$100,000 and above that require a smart design process incorporating life cycle costing, integrated design, energy modeling when applicable and other elements that ensure all sustainable design and operations opportunities are vetted and that performance requirements are achieved in a cost-effective manner.

Harvard's Green Building Standards are one of our clearest commitments to sustainability for our built environment. The Standards, adopted in 2009, go well beyond LEED to help ensure greenhouse gas impact, energy use and ongoing operational costs are part of the decision-making process during design and construction. LEED certification is just one piece of these Standards. Two reasons we use the LEED rating system are the opportunity for third-party verification and accountability for defining green building, and because the documentation aids in knowledge management to help promote continual improvement and institutionalize green building practices.

In addition, the majority of building managers are working to manage their buildings sustainably and are exploring opportunities for commissioning. For example, the retro-commissioning of the LISE lab building on campus resulted in realized savings of over \$520,000 and a reduction of 800 MTCDE.

<http://green.harvard.edu/lise-retro-commissioning-520k-annual-savings-and-800-mtcde-reduced>

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

Available at:

<http://green.harvard.edu/theresource/case-studies>

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

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# Building Design and Construction

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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### Criteria

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

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

and/or

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

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

### Submission Note:

Harvard is a leader in green building having achieved 75 LEED certified building projects as of May 2012, the most of any higher education institution in the world.

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

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

3000000 Square Feet

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

1200000 Square Feet

### New building space that is LEED Certified :

207073 Square Feet

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

618206 Square Feet

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

786824 Square Feet

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

118674 Square Feet

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

<http://green.harvard.edu/theresource/building-standards>

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

---

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

2009

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

Harvard's Green Building Standards seek to institutionalize green building practices for capital projects on campus by focusing on process-oriented requirements. The comprehensive Green Building Standards for capital projects, renovations and building system upgrades \$100,000 and above that require a smart design process incorporating life cycle costing, integrated design, energy modeling when applicable and other elements that ensure all sustainable design and operations opportunities are vetted and that performance requirements are achieved in a cost-effective manner.

Harvard's Green Building Standards are one of our clearest commitments to sustainability for our built environment. The Standards, adopted in 2009, go well beyond LEED to help ensure greenhouse gas impact, energy use and ongoing operational costs are part of the decision-making process during design and construction. LEED certification is just one piece of these Standards. Two reasons we use the LEED rating system are the opportunity for third-party verification and accountability for defining green building, and because the documentation aids in knowledge management to help promote continual improvement and institutionalize green building practices.

Currently, the on-campus Green Building Services team offers 10 hours of free consulting services to explain which standards apply and to help with identifying requirements and available resources.

**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 :**

We have 75 LEED certifications, more than any higher education institution in the world. The complete list is available at:

<http://green.harvard.edu/theresource/case-studies>

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

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# Indoor Air Quality

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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### Criteria

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

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"---" 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 :**

26000000 Square Feet

### **Total occupied building space :**

26000000 Square Feet

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

The Harvard University Indoor Environmental Quality (IEQ) Program establishes guidelines and best practices to assist building managers in maintaining good indoor environmental quality. The goal is to operate buildings in a manner that meets established performance standards regarding ventilation, temperature, relative humidity, air quality, odor, noise and lighting.

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

<http://www.uos.harvard.edu/ehs/ih/ieq.shtml>

# 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.

---

## From the institution:

In 2008, Harvard adopted a goal to reduce greenhouse gas emissions 30% by 2016 from a 2006 baseline, including growth.

As of the end of FY11, Harvard University has achieved a reduction in our GHG emissions of 7.3% including growth (3M sq ft of growth). Without growth Harvard has achieved an 18% reduction in emissions from our 2006 baseline buildings.

### Credit

Greenhouse Gas Emissions Inventory

Greenhouse Gas Emissions Reduction

Air Travel Emissions

Local Offsets Program

# Greenhouse Gas Emissions Inventory

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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## Criteria

### Part 1

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

### Part 2

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

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

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

<http://green.harvard.edu/reporting>

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

Yes

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

No

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

No

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

No

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

No

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

No

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

No

**If yes, please specify :**

---

**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

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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## Criteria

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

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

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

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

---

## Submission Note:

The GHG reduction includes over 3 million square feet in growth from FY206 to performance year of FY11. Emissions have dropped 7% including growth and 18% excluding growth (baseline).

Due to restrictions on how Harvard reports its students, faculty and staff we have reported the number of residents, students, staff and faculty in the following manner:

On-campus residents = # of degree seeking students

Non-residential/commute full-time students, faculty and staff = all staff and faculty

Part-time = not segmented out so included in full-time

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

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

279000 Metric Tons of CO<sub>2</sub> Equivalent

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

0 Metric Tons of CO<sub>2</sub> Equivalent

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

0 Metric Tons of CO<sub>2</sub> Equivalent

## On-campus residents, 2005 :

Campus Sustainability Data Collector | AASHE | Sierra Magazine

Snapshot | Page 65

19779

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

14248

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

0

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

*259000 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 :**

June 2010 - June 2011

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

21159

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

18307

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

0

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

2011

# Air Travel Emissions

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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

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

No

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

Harvard is beginning to track air emissions as part of a review of scope 3 emissions.

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

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# Local Offsets Program

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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### Submission Note:

Harvard's GHG reduction strategy specifically states that the institution should explore, prioritize and invest in all on-campus opportunities for reducing energy and greenhouse gas emissions before buying offsets. Harvard is in process of exploring offset opportunities in the local community and beyond but will not buy offsets until all other avenues for reducing GHG emissions have been explored.

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

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

No

### A brief description of the program :

Harvard's GHG reduction strategy specifically states that the institution should explore, prioritize and invest in all on-campus opportunities for reducing energy and greenhouse gas emissions before buying offsets. Harvard is in process of exploring offset opportunities in the local community and beyond but will not buy offsets until all other avenues for reducing GHG emissions have been explored.

### 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.

---

## From the institution:

Harvard is committed to purchasing and operational practices and menu choices that sustain the health and well-being of the environment, communities, and the people producing and eating food.

### Credit

Food and Beverage Purchasing

Trayless Dining

Vegan Dining

Trans-Fats

Guidelines for Franchisees

Pre-Consumer Food Waste Composting

PostConsumer Food Waste Composting

Food Donation

Recycled Content Napkins

Reusable Container Discounts

Reusable To-Go Containers

# Food and Beverage Purchasing

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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## Criteria

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

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

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

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

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

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

36

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

We are committed to purchasing and operational practices and menu choices that sustain the health and well-being of the environment, communities, and the people producing and eating food.

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

[http://www.dining.harvard.edu/about\\_huds/sustainability.html](http://www.dining.harvard.edu/about_huds/sustainability.html)

# Trayless Dining

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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### Submission Note:

Please note we chose June 1, 2012 because system would not let us submit for no without the year.

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

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

:

No

### A brief description of the trayless dining program :

Harvard continues to encourage trayless dining through educational campaigns but does not remove trays.

### List the year the program was started :

June 1, 2012

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

---

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

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

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

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

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# Vegan Dining

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## **Responsible Party**

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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

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

Yes

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

Every meal includes vegan options – from items available on request at the grill to salad bar items. Entrees, soups and sides are also sometimes available.

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

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# Trans-Fats

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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

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

Yes

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

Harvard Dining is trans-fat free

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

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# Guidelines for Franchisees

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## **Responsible Party**

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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

# Pre-Consumer Food Waste Composting

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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

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

Yes

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

All residential location but one collect pre-and post-consumer compost. All catering pre-consumer waste is composted. 6 of 13 retail locations compost

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

---

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

---

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

---

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

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

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# PostConsumer Food Waste Composting

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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"---" 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 :**

All residential location but one collect pre-and post-consumer compost. All catering pre-consumer waste is composted. 6 of 13 retail locations compost.

We also have an aggressive program to reduce food waste in dorms. As of 2011, the average annual weight of food waste in each dining hall has dipped below 200,000 pounds, marking a 56.5 percent decrease in wasted food since spring 2005.

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

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

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

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

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

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# Food Donation

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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

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

Yes

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

Food collection and donation through Greater Boston Food Bank, Second Helpings, and numerous local food shelters or pantries

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

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# Recycled Content Napkins

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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

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

Yes

### A brief description of the purchasing behavior :

Recycled content napkins are used in dining service operations

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

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# Reusable Container Discounts

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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

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

Yes

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

Dining locations across Harvard's campus and Schools provide discounts for use of reusable cups and mugs

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

---

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

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

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## Reusable To-Go Containers

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

# 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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## From the institution:

In 2008, Harvard adopted a energy and climate goal to reduce greenhouse gas emissions 30% by 2016 from a 2006 baseline, including growth.

As of the end of FY11, Harvard University has achieved a reduction in our GHG emissions of 7.3% including growth (3M sq ft of growth). Without growth Harvard has achieved an 18% reduction in emissions from our 2006 baseline buildings.

Since the announcement of the GHG Reduction Goal, Harvard facilities teams have implemented approximately 1,000 Energy Conservation Measure (ECM) projects in our buildings, saving approximately \$9 million per year in energy costs.

### Credit

Building Energy Consumption

Clean and Renewable Energy

Timers for Temperature Control

Lighting Sensors

LED Lighting

Vending Machine Sensors

Energy Management System

Energy Metering

# Building Energy Consumption

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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## Criteria

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

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

1 kWh = 0.003412 MMBtu

1 MWh = 3.412 MMBtu

1 therm = 0.1 MMBtu

1 kBtu = 0.001 MMBtu

1 ton-hour = 0.012 MMBtu

1 MJ = 0.000948 MMBtu

---

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

### Total building energy consumption, 2005 :

2980843 MMBtu

### Building space, 2005 :

21600000 Gross Square Feet

### Total building energy consumption, performance year :

3196443 MMBtu

### Building space, performance year :

24000000 Gross Square Feet

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

June 2010 - July 2011

# Clean and Renewable Energy

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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### Criteria

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

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

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

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

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

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

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

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

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

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

1 kWh = 0.003412 MMBtu

1 MWh = 3.412 MMBtu

1 therm = 0.1 MMBtu

1 kBtu = 0.001 MMBtu

1 ton-hour = 0.012 MMBtu

1 MJ = 0.000948 MMBTU

#### **Submission Note:**

Harvard has several solar PV projects on site; the RECs are retired for meeting the University's requirements under the MA Renewable Portfolio Standard.

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

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

0 MMBtu

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

0 MMBtu

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

0 MMBtu

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

22021 MMBtu

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

53465 MMBtu

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

3218864 MMBtu

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

Harvard has over 1MW of installed solar PV capacity on Harvard property; the RECs are retired for meeting the University's requirements under the MA Renewable Portfolio Standard. We also have small-scale wind turbines and small scale solar PV on several buildings.

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

Harvard has several small and large scale solar hot water systems, including a solar and steam heat recovery system that provides up to 60% of domestic hot water needs of buildings in Harvard Yard. We have eight geothermal installations for heating and cooling.

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

We have entered into Power Purchase Agreements with off-site wind farms without which the projects may not have been funded. For example, see this article:

<http://news.harvard.edu/gazette/story/2009/11/harvard-to-become-largest-institutional-buyer-of-wind-power-in-new-england/>

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

Harvard purchases multi-year contracts for RECs from local renewable energy projects.

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

5MW back-pressure turbine cogeneration unit at the steam plant; Harvard also has a few other small (~75kW each) cogen units on campus.

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

<http://green.harvard.edu/renewable-energy>

# Timers for Temperature Control

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## Responsible Party

**Parker Bonnell**

Analyst

Office for Sustainability

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

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

Yes

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

Most buildings on campus are tied into a Siemens BAS interface where time of use scheduling is enabled for setbacks

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

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

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# Lighting Sensors

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## Responsible Party

**Parker Bonnell**

Analyst

Office for Sustainability

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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 :**

Most building on campus feature WattStopper occupancy controls to shut off lighting and setback HVAC/ventilation setpoints when non-occupied

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

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

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# LED Lighting

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## Responsible Party

**Parker Bonnell**

Analyst

Office for Sustainability

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

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

Yes

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

New construction projects nearly always feature some form of LED lighting, but many retrofits, typically PAR30 downlighting, have been installed as well.

For a video of a recent installation in a dining hall visit:

<http://green.harvard.edu/dunster-dining-hall-installs-led-lighting>

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

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**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 :**

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# Vending Machine Sensors

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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

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

Yes

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

Harvard Law School installed Vending Misers and Snack Misers on all their cold beverage and non-perishable snack machines. The devices turn machines on and off based on activity as well as internal cooling cycles, conserving energy by not over-cooling and shutting off lights and displays when machines are not in use. HLS predicts the 20 devices installed will save 3.4 metric tons of carbon dioxide equivalents and \$1,440 each year.

### **The percentage of vending machines with sensors :**

---

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

<http://green.harvard.edu/harvard-law-school-installs-vending-misers-0>

# Energy Management System

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## Responsible Party

**Parker Bonnell**

Analyst

Office for Sustainability

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"---" 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 :**

Anyone with a Harvard ID and pin, including all students, faculty, and staff, have access to EnergyWitness, an online system that provides meter data for all buildings on campus. Some facilities are capable of providing near-real time interval data as well.

**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 :**

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# Energy Metering

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## Responsible Party

**Parker Bonnell**

Analyst

Office for Sustainability

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

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

Yes

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

Extensive submetering is included on campus for multiple reasons. Some systems are designed to enable energy competitions between research or housing groups. The Harvard Green Building Standards further require submetering on all projects to provide data for commercial kitchens, parking garages, commercial spaces, or data centers.

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

100

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

---

# Grounds

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

## Credit

Integrated Pest Management

Native Plants

Wildlife Habitat

Tree Campus USA

Snow and Ice Removal

Landscape Waste Composting

# Integrated Pest Management

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## Responsible Party

**Parker Bonnell**

Analyst

Office for Sustainability

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## Criteria

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

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

### Submission Note:

Harvard has a 100% organic landscaping program for the vast majority of its grounds that uses zero chemicals and creates compost tea as a fertilizer to promote healthy grass and grounds.

The use of organic practices has reduced the need for irrigation by 30%, or over 2,000,000 gallons per year, in part due to the development of deeper root growth permitting less frequent watering.

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

### The size of the campus grounds :

100 Acres

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

87 Acres

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

1. Identify pest and moisture stressed before treatment.
2. Formulate grass seed mixtures for different environmental conditions.
3. Utilize only organic projects
4. Work with designers to place plant material in appropriate environments."

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

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# Native Plants

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**Responsible Party**

**Parker Bonnell**

Analyst

Office for Sustainability

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

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

Yes

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

Designers use this practice when designing new landscapes. Replacement plants are prioritized for native planting. New quad for instance is entirely native plants and all new plants will be native.

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

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# Wildlife Habitat

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## Responsible Party

**Parker Bonnell**  
Analyst  
Office for Sustainability

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### Submission Note:

<http://harvardforest.fas.harvard.edu/>

"---" 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 :

This is in line with our organic program. By enhancing the natural cycles we have created an eco-system which is favorable for wildlife. There has been an increase in animal activity. In addition, the Arnold Arboretum and Harvard Research Forest is large section of protected land that is managed by the University dedicated to protecting and/or creating wildlife habitat.

In addition, the university-wide Sustainability Principles specifically state that Harvard is committed to enhancing the health of campus ecosystems and increasing the diversity of native species.

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

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**Responsible Party**

**Parker Bonnell**  
Analyst  
Office for Sustainability

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

# Snow and Ice Removal

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## Responsible Party

**Parker Bonnell**

Analyst

Office for Sustainability

---

"---" 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 :**

Harvard prioritizes strategies to reduce environmental impact of snow and ice removal including:

1. Purchase equipment to minimize over spray of ice melt products.
2. Utilize ice melt products less impactful to plant material.
3. No salt and reduced use of ice melt chemicals.
4. Divinity School uses KCl (potassium chloride). Clean walkways of deicers when possible.
4. Green Building Tip dedicated to deicing:

<http://createsend.com/t/y-00698B8D8AF60228>

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

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# Landscape Waste Composting

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## Responsible Party

**Parker Bonnell**  
Analyst  
Office for Sustainability

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

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

Yes

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

All landscape waste is composted and reapplied to the landscape system in forms or compost teas, compost, loam and mulch

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

---

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

---

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

<http://www.uos.harvard.edu/fmo/landscape/organiclandscaping/>

# Purchasing

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

## Credit

Computer Purchasing

Cleaning Products Purchasing

Office Paper Purchasing

Vendor Code of Conduct

Historically Underutilized Businesses

Local Businesses

# Computer Purchasing

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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## Criteria

### **Part 1**

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

### **Part 2**

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

---

"---" 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://huit.harvard.edu/>

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

All personal computers and laptops available for purchase through Harvard preferred vendor contracts through University Information Services are ENERGY STAR and EPEAT rated

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

No

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

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

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

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# Cleaning Products Purchasing

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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## Criteria

### **Part 1**

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

### **Part 2**

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

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

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

Yes

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

<http://www.uos.harvard.edu/fmo/custodial/greencleaning/index.shtml>

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

Supervisors can only order from an order sheet that has environmentally preferred products listed. If any other product is requested, approval is required by the Operations Manager or Associate Director. Suppliers are not permitted to sell any of these products without such approval.

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

No

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

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**Total expenditures on cleaning products :**

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

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# Office Paper Purchasing

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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## Criteria

### **Part 1**

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

### **Part 2**

Institution purchases recycled content office paper.

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#### **Submission Note:**

Harvard Business School and Divinity School have a policy to purchase at least 30% recycled paper for all paper purchases.

"---" 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.procurement.harvard.edu/secure/pdf/sustainable\\_purchasing\\_guidelines.pdf](http://www.procurement.harvard.edu/secure/pdf/sustainable_purchasing_guidelines.pdf)

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

Post consumer recycled content should be maximized in purchased products whenever possible. Thirty percent post consumer waste recycled paper should be used for all applications, as appropriate. Buy recycled content office products (as marked) with special attention to recycled ink and toner cartridges. 30% Post Consumer Recycled office paper under the current office supply agreement is priced the same as virgin fiber office paper.

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

No

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

---

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

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

---

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

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

---

**Total expenditures on office paper :**

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# Vendor Code of Conduct

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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## Criteria

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

---

"---" 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.procurement.harvard.edu/>

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

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

Vendors that sign on to a University-wide Master agreement must agree to the following clause regarding social/environmental responsibility: "Environmentally Preferable Purchasing. If germane to the transaction herein contemplated, Customer and Vendor shall work jointly to develop and implement programs for Harvard that support EPP (as defined hereafter). "EPP" is defined as the practice of buying products and/or services that have a lesser or reduced impact on the environment and human health, when compared to competing products or services that serve the same purpose. To this end, Vendor shall: (i) provide an extensive selection of green products and ensure that products offered meet the appropriate criteria and (ii) work with Customer, on behalf of Harvard, to identify new green products as they become available and to actively market those products to Customer, on behalf of Harvard."

# Historically Underutilized Businesses

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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

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

Yes

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

The procurement office supports a Minority and Women-Owned Procurement Program (see URL in notes). In addition, vendors that sign on to a University-wide Master agreement must agree to the following clause regarding minority and women owned businesses: "Minority and Women Owned Businesses. Harvard encourages Vendor to provide maximum practicable opportunities to include Minority and Woman Owned (as defined below) businesses, including subcontractors and vendors, among its sources of supply in the performance of the Agreement. Minorities include, but are not limited to, Black Americans, Asian Americans, Pacific Americans, and Asian-Indian Americans. A "Minority and WomanOwned" business is one that is at least fifty-one percent (51%) owned by a minority, group of minorities, or a woman. Vendor shall report to Customer on a quarterly basis the dollar amounts paid by Vendor during the previous quarter to Minority and Woman owned subcontractors and Vendors by name for material(s) and services used in the performance of the Agreement."

For more information visit this URL:

<http://www.procurement.harvard.edu/secure/>

minority\_woman\_owned.shtml

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

<http://www.procurement.harvard.edu/>

## Local Businesses

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

# Transportation

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

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

## Credit

Campus Fleet

Student Commute Modal Split

Employee Commute Modal Split

Bicycle Sharing

Facilities for Bicyclists

Bicycle and Pedestrian Plan

Mass Transit Programs

Condensed Work Week

Telecommuting

Carpool/Vanpool Matching

Cash-out of Parking

Carpool Discount

Local Housing

Prohibiting Idling

Car Sharing

# Campus Fleet

---

## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

---

### Criteria

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

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

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

---

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

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

4

### 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 :

0

### 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 :**

66

**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 :**

70

# Student Commute Modal Split

---

## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

---

## Criteria

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

---

### Submission Note:

Harvard is an urban campus and 99% of underclassmen live on campus and don't commute. Therefore we do not track student commuting trends. Because the form does not allow us to enter 0 under the % breakdown we just chose 99% for bike/walk/non-motorized and 1% for single operator vehicle.

Note that Harvard houses approximately 50% of graduate students.

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

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

99

### 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 :

1

### 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 :

99

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

0

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

0

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

0

**The website URL where information about alternative transportation is available :**

<http://www.commuterchoice.harvard.edu/>

# Employee Commute Modal Split

---

## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

---

## Criteria

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

---

### Submission Note:

Note the data above covers employee commute data for Harvard's Cambridge/Allston campuses. Harvard's Longwood campus percentages are: 16% drive alone, 5% carpool, 39% public transit, 39% bike/walk, 1% other.

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

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

89

### 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 :

11

### 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 :

50

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

5

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

32

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

**The website URL where information about alternative transportation is available :**

[http://www.provost.harvard.edu/institutional\\_research/factbook.php](http://www.provost.harvard.edu/institutional_research/factbook.php)

# Bicycle Sharing

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

---

"---" 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.) :**

Harvard is a major sponsor of the Boston-area Hubway bike share system which includes over 600 bicycles. Harvard sponsors 5 stations in Boston and Allston and will be sponsoring up to six stations in Cambridge when it launches this summer.

Harvard students and staff also manage four campus-based bicycle share programs: Crimson Bikes, and HLS Read and Ride Bikeshare, Harvard Positive Spin and the CommuterChoice departmental bike share system which allows faculty, staff and students to check out bikes throughout the day.

The Crimson Bikes bike share program provides three bike stations full of bikes to students and staff throughout campus.

The Harvard Law School Read and Ride Bike Share program provides four bikes to the community for sharing.

Lastly, the Departmental Bike program run by Commuter Choice provides bikes to departments for sharing. This includes over 30 bikes.

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

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# Facilities for Bicyclists

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

---

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

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

Yes

**A brief description of the facilities :**

The University has designated areas for indoor bike storage, showers and lockers. All general athletic facilities are open for use by any employee or student for a nominal fee.

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

<http://www.commuterchoice.harvard.edu/>

# Bicycle and Pedestrian Plan

---

## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

---

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

### **Has the institution developed a bicycle plan? :**

Yes

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

Bicycling is recognized as an integral component of the University's transportation system, and Harvard's Schools and administrative units have long supported the strengthening of the cycling network and facilities across campus. Harvard invests considerable effort in developing cycling programs, creating a cycling infrastructure, and supporting the improvement and growth of local and regional bike networks that connect the University campus with other parts of Cambridge and Boston. The University's Cambridge Campus Transportation Guidelines include considerations for the provision of bicycle parking and other facilities as part of Harvard's commitment to strengthening its campus bicycle network. Harvard University works collaboratively with MassDOT, the City of Cambridge, the City of Boston and other stakeholders on municipal bicycle planning initiatives and on incorporating bicycle facilities and pedestrian enhancements into planning efforts in areas of Boston and Cambridge that affect the Harvard community. The CommuterChoice Program works with staff at Harvard Planning and Project Management to continually improve the cycling environment on the Cambridge and Allston campuses and encourage use of bicycles for intercampus travel.

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

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# Mass Transit Programs

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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

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

Yes

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

Faculty and staff are eligible for a 50% subsidy for Massachusetts Bay Transit Authority (MBTA) bus, subway, commuter rail and boat passes. Graduate students are eligible for an MBTA Semester pass offered through individual schools at a reduced rate. Harvard offers a free shuttle with several vehicles and routes throughout our campuses. Real time shuttle trackers can be accessed at shuttle.harvard.edu

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

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# Condensed Work Week

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

---

"---" 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 :**

Offered through the Office of Work/Life

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

---

# Telecommuting

---

## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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

### Does the institution offer a telecommute program for employees? :

Yes

### A brief description of the program :

Offered through the Office of Work/Life

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

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# Carpool/Vanpool Matching

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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

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

Yes

### A brief description of the program :

Harvard participates in the online Zimride ride matching program and actively promotes its use among staff, faculty and students

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

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# Cash-out of Parking

---

## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

---

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

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

:

No

**A brief description of the program :**

Not applicable

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

---

# Carpool Discount

---

## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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

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

Yes

### A brief description of the program :

carpools with two participants have a 50% reduction in annual permit fees, carpools with 3+ participants have a 75% reduction in fees. Carpoolers can drive alone four days a month and are eligible for 2 emergency ride homes a year. Harvard also offers 82 preferential parking spaces for carpoolers.

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

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# Local Housing

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

---

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

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

Yes

### **A brief description of the incentives or programs :**

Offered through the Office of Faculty Development and Diversity

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

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# Prohibiting Idling

---

## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

---

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

### **Has the institution adopted a policy prohibiting idling? :**

Yes

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

University standards based off of Massachusetts Law which limits vehicle idling to no more than five minutes

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

---

# Car Sharing

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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

### **Does the institution participate in a car sharing program, such as ZipCar or HourCar? :**

Yes

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

Harvard has over 25 Zipcars on campus including hybrids and pickup trucks. Staff memberships are \$25 which include \$25 driving credit, student memberships are \$15 and include \$15 driving credit and departmental accounts are free.

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

<http://www.zipcar.com/crimson/>

# Waste

This subcategory seeks to recognize institutions that are moving toward zero waste by reducing, reusing, recycling, and composting. These actions mitigate the need to extract virgin materials, such as trees and metals. It generally takes less energy and water to make a product with recycled material than with virgin resources. Reducing waste generation also reduces the flow of waste to incinerators and landfills which produce greenhouse gas emissions, can contaminate air and groundwater supplies, and tend to have disproportionate negative impacts on low-income communities. Waste reduction and diversion also save institutions costly landfill and hauling service fees. In addition, waste reduction campaigns can engage the entire campus community in contributing to a tangible sustainability goal.

## Credit

Waste Reduction

Waste Diversion

Construction and Demolition Waste Diversion

Electronic Waste Recycling Program

Hazardous Waste Management

Materials Exchange

Limiting Printing

Materials Online

Chemical Reuse Inventory

Move-In Waste Reduction

Move-Out Waste Reduction

# Waste Reduction

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## Responsible Party

**Parker Bonnell**

Analyst

Office for Sustainability

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## Criteria

Institution has implemented source reduction strategies to reduce total waste generation (garbage, recycling, and compost) per weighted campus user compared to a 2005 baseline.

Total waste generation includes all materials recycled, composted, and disposed of as trash except construction, demolition, electronic, hazardous, special (e.g. coal ash), universal and non-regulated chemical waste, which are covered in *OP Credit 19: Construction and Demolition Waste Diversion*, *OP Credit 20: Electronic Waste Recycling Program*, and *OP Credit 21: Hazardous Materials Management*.

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## Submission Note:

Due to restrictions on how Harvard reports its students, faculty and staff we have reported the number of residents, students, staff and faculty in the following manner:

On-campus residents = # of degree seeking students

Non-residential/commute full-time students, faculty and staff = all staff and faculty

Part-time = not segmented out so included in full-time

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

## Weight of materials recycled, 2005 baseline year :

3604 Tons

## Weight of materials composted, 2005 baseline year :

3073 Tons

## Weight of materials disposed as garbage, 2005 baseline year :

9339 Tons

## Weight of materials recycled, performance year :

4590 Tons

## Weight of materials composted, performance year :

3187 Tons

**Weight of materials disposed as garbage, performance year :**

6301 Tons

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

July 2010 to June 2011

**On-campus residents, 2005 :**

19779

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

14248

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

0

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

21159

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

18307

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

0

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

July 2010 to June 2011

**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 :**

Harvard University has a stated commitment to aggressively reducing waste including extensive waste reduction programs including all of its Schools that include recycling, waste reduction, composting and re-use. Additional information at:

<http://www.uos.harvard.edu/fmo/recycling/index.shtml>

We're aggressively targeting food waste in dorms too. In 2011, the average annual weight of food waste in each dining hall has dipped below 200,000 pounds, marking a 56.5 percent decrease in wasted food since spring 2005.

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

<http://green.harvard.edu/reducing-waste>

# Waste Diversion

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## Responsible Party

**Parker Bonnell**

Analyst

Office for Sustainability

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## Criteria

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

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

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

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

7778 Tons

### **Materials disposed in a solid waste landfill or incinerator :**

6301 Tons

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

Harvard has waste reduction and reuse initiatives and investments in place throughout the university. These include annual move-out donation boxes that contribute to the annual Habitat for Humanity Stuff Sale raises over \$80,000 annually for the charity. Students donate belongings at the end of the spring semester—Harvard Recycling collects about 200 tons or over 200 truckloads each year. Numerous departments and schools host their own freecycle and reuse events or stuff swaps throughout the year. This year, we held the first-ever lab-oriented freecycle to promote safe re-use of lab supplies.

Harvard manages a Recycling and Surplus Center, free to anyone on a first-come, first-served basis that includes surplus furniture, supplies and equipment donated by school departments and offices.

In addition, surplus materials are often donated to community and non-profit organizations. In Fiscal Year 2011 alone the surplus program donated over 2.5 million dollars worth of products to over 200 charities. Harvard also partners with the LABBB's "School to Work" vocational training program to train autistic students of high school age to sort, refurbish and re-sell computers, clothing and books.

# Construction and Demolition Waste Diversion

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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## Criteria

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

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

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

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

19230 Tons

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

1538 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 :**

The Harvard Green Building Standards require all Tier I and Tier II projects on campus (new buildings, major renovations, or tenant fitouts) to meet a 75% diversion rate as calculated via the LEED rating systems. Our campus C&D diversion rate is 92.6%, with 18062 tons recycled and 1169 tons salvaged or reused.

# Electronic Waste Recycling Program

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## Responsible Party

**Parker Bonnell**

Analyst

Office for Sustainability

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## Criteria

### **Part 1**

Institution has a program in place to recycle, reuse, and/or refurbish all electronic waste generated by the institution. Institution takes measures to ensure that the electronic waste is recycled responsibly.

### **Part 2**

Institution has a program in place to recycle, reuse, and/or refurbish electronic waste generated by students. Institution takes measures to ensure that the electronic waste is recycled responsibly.

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

### **Does the institution have a program in place to recycle, reuse, and/or refurbish all electronic waste generated by the institution and take measures to ensure that the electronic waste is recycled responsibly? :**

Yes

### **Does the institution have a program in place to recycle, reuse, and/or refurbish electronic waste generated by students and take measures to ensure that the electronic waste is recycled responsibly? :**

Yes

### **A brief description of steps taken to ensure that e-waste is recycled responsibly, workers' basic safety is protected, and environmental standards are met :**

Surplus or obsolete computers and other electronic devices ("e-waste") at Harvard University must be discarded properly. Harvard FMO Recycling advocates reuse as the best and highest disposition policy. What one department no longer wants may be useful to another Harvard department, outside organization or individual. So we have taken the measures detailed below to donate or re-sell computers whenever feasible. When no reuse or re-sale is possible for e-waste, recycling is necessary.

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

Surplus or obsolete computers and other electronic devices ("e-waste") at Harvard University must be discarded properly. Harvard FMO Recycling advocates reuse as the best and highest disposition policy. What one department no longer wants may be useful to another Harvard department, outside organization or individual. So we have taken the measures detailed below to donate or re-sell computers

whenever feasible. When no reuse or re-sale is possible for e-waste, recycling is necessary.

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

E-waste recycling bins are clearly labeled provided throughout campus for small items and building managers work collaboratively with Harvard Recycling to coordinate proper disposal of larger items.

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

[http://www.uos.harvard.edu/fmo/recycling/computers\\_and\\_electronics.shtml](http://www.uos.harvard.edu/fmo/recycling/computers_and_electronics.shtml)

# Hazardous Waste Management

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## Responsible Party

**Parker Bonnell**

Analyst

Office for Sustainability

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## Criteria

Institution has strategies in place to safely dispose of all hazardous, special (e.g. coal ash), universal, and non-regulated chemical waste and seeks to minimize the presence of these materials on campus.

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### Submission Note:

[http://www.uos.harvard.edu/ehs/environmental/hazardous\\_waste.shtml](http://www.uos.harvard.edu/ehs/environmental/hazardous_waste.shtml)

"---" 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 generation of hazardous waste is dependent on the type of research being conducted at the University. We work to minimize the generation of waste through encouraging researchers to only purchase the chemicals needed for their work. All wastes generated in the lab are managed through a central waste disposal contract that ensures waste are properly managed while being collected and disposed of at pre-approved facilities.

Harvard Environmental Health and Safety manages an extensive Hazardous Waste Management and Disposal program. Hazardous wastes are generated in many different University operations. These include lab research, building operations and maintenance and construction projects. To ensure that the University is operating to protect the safety and health of employees and students and to protect the environment the proper management of hazardous wastes is critical. Proper management of wastes includes: correctly identifying wastes; storing wastes properly; performing required weekly inspections; and ensuring that all storage time limits are met. For more information visit:

[http://www.uos.harvard.edu/ehs/environmental/hazardous\\_waste.shtml](http://www.uos.harvard.edu/ehs/environmental/hazardous_waste.shtml)

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

Hazardous wastes are generated in many different University operations. These include lab research, building operations and maintenance and construction projects. To ensure that the University is operating to protect the safety and health of employees and students and to protect the environment the proper management of hazardous wastes is critical. Proper management of wastes includes: correctly identifying wastes; storing wastes properly; performing required weekly inspections; and ensuring that all storage time limits are met. For more details on disposal visit:

[http://www.uos.harvard.edu/ehs/environmental/hazardous\\_waste.shtml](http://www.uos.harvard.edu/ehs/environmental/hazardous_waste.shtml)

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

[http://www.uos.harvard.edu/ehs/environmental/hazardous\\_waste.shtml](http://www.uos.harvard.edu/ehs/environmental/hazardous_waste.shtml)

# Materials Exchange

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## Responsible Party

**Parker Bonnell**  
Analyst  
Office for Sustainability

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

### Does the institution have a surplus department or formal office supplies exchange program that facilitates reuse of materials? :

Yes

### A brief description of the program :

Harvard manages a Recycling and Surplus Center, free to anyone on a first-come, first-served basis that includes surplus furniture, supplies and equipment donated by school departments and offices.

In addition, surplus materials are often donated to community and non-profit organizations. In Fiscal Year 2011 alone the surplus program donated over 2.5 million dollars worth of products to over 200 charities. Harvard also partners with the LABBB's "School to Work" vocational training program to train autistic students of high school age to sort, refurbish and re-sell computers, clothing and books.

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

<http://www.uos.harvard.edu/fmo/recycling/>

# Limiting Printing

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## **Responsible Party**

**Parker Bonnell**

Analyst

Office for Sustainability

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

### **Does the institution limit free printing for students in all computer labs and libraries? :**

Yes

### **A brief description of how printing is limited :**

Students pay a \$100 printing fee at the beginning of the year and then pay \$0.10/sheet for printing at some schools. So, there is technically no "free" printing.

In most if not all schools, the cost for printing one double-sided sheet or printing one single-sided sheet is the same (so double-sided printing is incentivized).

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

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# Materials Online

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**Responsible Party**

**Parker Bonnell**

Analyst

Office for Sustainability

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

**Is the institution's default not to print course catalogs, course schedules, and directories, but instead make these materials available online? :**

Yes

**A brief description of the practice :**

In most schools course catalogues are no longer mailed to all students and advisers and are instead available online. No printed directories or course schedules exist (except for in registrar's office, and only at some schools)

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

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# Chemical Reuse Inventory

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**Responsible Party**

**Parker Bonnell**

Analyst

Office for Sustainability

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

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

Yes

**A brief description of the program :**

The University has inventory systems in place at some of our campuses. These systems are not used to facilitate reuse of chemicals, but rather to track chemical use. Our Longwood Campus, prior to lab clean-outs, will invite other researchers to review and take chemicals that meet their needs before disposal. Our sustainability teams are partnering with labs and environmental health and safety to explore how to further facilitate the reuse of chemicals when safe and possible.

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

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# Move-In Waste Reduction

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## **Responsible Party**

**Parker Bonnell**

Analyst

Office for Sustainability

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

### **Does the institution have a program to reduce residence hall move-in waste? :**

Yes

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

Harvard Habitat for Humanity hosts a stuff sale during orientation and move-in that encourages students to buy slightly used items donated by fellow students during the previous year's move-out.

The FAS student REP program runs educational campaigns to reduce waste including a CFL swap during move-in: students turn in incandescents in exchange for a free CFL.

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

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# Move-Out Waste Reduction

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## **Responsible Party**

**Parker Bonnell**  
Analyst  
Office for Sustainability

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

### **Does the institution have a program to reduce residence hall move-out waste? :**

Yes

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

Residents can donate equipment and furniture to Habitat for Humanity. In the fall, HfH then sells it back to incoming students, with all proceeds going to their cause.

Harvard Recycling provides donation stations across campus that allow you to donate reusable items you don't need. Harvard University Housing will have designated areas for residents to donate unwanted furniture.

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

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# Water

This subcategory seeks to recognize institutions that are conserving water and making efforts to protect water quality. Pumping, delivering, and treating water is a major energy user, so institutions can help reduce energy consumption and the greenhouse gas emissions associated with energy generation by conserving water. Likewise, conservation and effective stormwater management are important in maintaining and protecting finite groundwater supplies. Water conservation and effective stormwater management also reduce the need for effluent discharge into local surface water supplies, which helps improve the health of local water ecosystems.

## Credit

Water Consumption

Stormwater Management

Waterless Urinals

Building Water Metering

Non-Potable Water Usage

Xeriscaping

Weather-Informed Irrigation

# Water Consumption

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## Responsible Party

**Parker Bonnell**

Analyst

Office for Sustainability

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## Criteria

Institution has reduced its total water consumption per weighted campus user compared to a 2005 baseline.

Total water consumption includes both potable and non-potable water.

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## Submission Note:

Due to restrictions on how Harvard reports its students, faculty and staff we have reported the number of residents, students, staff and faculty in the following manner:

On-campus residents = # of degree seeking students

Non-residential/commute full-time students, faculty and staff = all staff and faculty

Part-time = not segmented out so included in full-time

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

## Water consumption, 2005 baseline year :

703209012 Gallons

## Water consumption, performance year :

604357820 Gallons

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

July 2010 to June 2011

## On-campus residents, 2005 :

19779

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

14248

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

0

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

21159

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

18307

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

0

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

July 2010 to June 2011

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

Yes

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

Harvard's Green Building Standards that apply to all construction and renovation projects require aggressive water reduction targets of 35% below ASHRAE code. In addition, Harvard Schools and administrative units are committed to reduce water use wherever possible. For example, the organic landscaping program has reduced irrigation by 30%, resulting in savings of 2M gallons of water.

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

<http://www.greencampus.harvard.edu/theresource/new-construction/design-element/water-efficiency>

# Stormwater Management

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## Responsible Party

**Parker Bonnell**

Analyst

Office for Sustainability

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## Criteria

### ***Part 1***

Institution has adopted a stormwater management policy, plan, and/or strategies that mitigate the stormwater runoff impacts of new construction, major renovation, and other projects that increase paved surface area on campus or otherwise significantly change the campus grounds.

The policy, plan, and/or strategies address both the quantity and quality (or contamination level) of stormwater runoff.

The policy, plan, and/or strategies cover the entire campus. While the specific strategies or practices adopted may vary depending on project type and location, this credit is reserved for institutions that mitigate stormwater runoff impacts consistently during new construction. Implementing a strategy or strategies for only one new development project is not sufficient for this credit.

Policies adopted by entities of which the institution is part (e.g. state government or the university system) may count for this credit as long as the policies apply to and are followed by the institution.

### ***Part 2***

Institution has adopted a stormwater management policy, plan, or strategies that mitigate the stormwater runoff impacts of ongoing campus operations.

The policy, plan, or strategies address both the quantity and quality (or contamination level) of stormwater runoff.

Though specific practices adopted may vary across the campus, the policy, plan, and/or strategies cover the entire institution. Implementing strategies for only one building or area of campus is not sufficient for this credit.

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

### **Does the institution have a policy, plan, and/or strategies to reduce stormwater runoff from new development projects? :**

Yes

### **Does the institution have a policy, plan, and/or strategies to reduce stormwater runoff from ongoing campus operations? :**

Yes

**A brief description of the institution's stormwater management initiatives :**

The Harvard University stormwater program has been developed to manage the runoff to reduce or eliminate potential for pollution to be discharged.

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

<http://www.uos.harvard.edu/ehs/environmental/stormwater.shtml>

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

Yes

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

Several buildings on campus have green roofs. Harvard Law School's Wasserstein Hall, Caspersen Student Center, Clinical Wing building (WCC) has two green vegetated roofs. The roof on Shad Hall is a living roof covering 5,200 sq-ft, planted with 9000 perennials.

**Does the institution have porous paving? :**

Yes

**A brief description of the institution's porous paving :**

The parking lot of 46 Blackstone st. has porous paving. The original site was a 100% impervious parking lot. 658 tons of asphalt were removed and recycled. These pavers have recycled content and are expected to reduce stormwater runoff by over 37%.

**Does the institution have retention ponds? :**

Yes

**A brief description of the institution's retention ponds :**

46 Blackstone st. has a retention pond alongside the parking lot.

**Does the institution have stone swales? :**

Yes

**A brief description of the institution's stone swales :**

sand bed at the bottom of the pond filters solids out of the stormwater so that they are not carried into the soil. The bioretention pond also creates habitat for urban animal species. Drainage to the municipal sewer system has been eliminated.

**Does the institution have vegetated swales? :**

Yes

**A brief description of the institution's vegetated swales :**

A bioswale, or bioretention system, filters stormwater runoff from the adjacent 25,000 square foot parking lot through the site to prevent contamination of the Charles River. This system filters stormwater and allows it to naturally infiltrate into the soil. Microorganisms in the soil digest oils and greases in runoff, preventing these contaminants' entry into water bodies. Plants take up phosphorous to prevent eutrophication, the over-enrichment of water bodies that results in excessive algal growth, reduced oxygen levels, and animal death.

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

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

Fact Sheet Regarding Stormwater Management:

[http://www.uos.harvard.edu/ehs/environmental/stormwater\\_fm\\_factsheet.pdf](http://www.uos.harvard.edu/ehs/environmental/stormwater_fm_factsheet.pdf)

# Waterless Urinals

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## Responsible Party

**Parker Bonnell**  
Analyst  
Office for Sustainability

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

### Does the institution use at least one waterless urinal? :

Yes

### A brief description of the technology employed :

Waterless urinals and low-flow toilets are installed in dormitories, classrooms, office buildings throughout campus.

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

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# Building Water Metering

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## **Responsible Party**

**Parker Bonnell**  
Analyst  
Office for Sustainability

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

### **Does the institution have building-level water consumption meters for at least one building? :**

Yes

### **A brief description of the water metering employed :**

All buildings employ some form of water metering.

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

100

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

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# Non-Potable Water Usage

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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

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

Yes

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

Several buildings use non-potable water for other purposes. Examples include: 5 Cowperthwaite St. and Wasserstein Hall capture ground and roof water to be utilize for irrigation. The Sherman Fairchild Building uses re-captured "gray" water for toilet flushing.

The gray water system used at 5 Cowperthwaite -a 32,800 gallon tank collects storm water from the roof for use in irrigation.

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

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

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

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

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# Xeriscaping

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## Responsible Party

**Parker Bonnell**

Analyst

Office for Sustainability

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

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

Yes

### A brief description of the program or practice :

At the LEED Platinum 46 Blackstone Street, an irrigation free, organic garden was developed in a courtyard that was previously a parking lot. Primarily composed of ornamental grasses that are designed to grow roughly six inches to a foot in height. In addition the use of drought tolerant plants is being utilized more frequently in designs.

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

<http://www.uos.harvard.edu/blackstone/tour/>

# Weather-Informed Irrigation

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## Responsible Party

**Parker Bonnell**

Analyst

Office for Sustainability

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

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

Yes

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

In some places. The Business School, for instance, has an irrigation system that adjusts by weather sensors. Around 75 % of the system throughout campus are controlled by rain sensor.

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

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# Planning, Administration & Engagement

## Coordination and Planning

This subcategory seeks to recognize colleges and universities that are institutionalizing sustainability by dedicating resources to sustainability coordination, incorporating sustainability into their primary campus plans, and developing plans to move towards sustainability. Staff and other resources help an institution organize, implement, and publicize sustainability initiatives. These resources provide the infrastructure that fosters sustainability within an institution. Strategic and physical campus plans guide an institution and its physical development. These important documents establish an institution's priorities and influence budgeting and decision making. Incorporating sustainability into these plans is an important step in making sustainability a campus priority and may help advocates implement sustainable changes. Sustainability plans and climate plans provide a road map for how to achieve sustainability goals.

### Credit

Sustainability Coordination

Strategic Plan

Physical Campus Plan

Sustainability Plan

Climate Action Plan

# Sustainability Coordination

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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## Criteria

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

The committee, office, and/or coordinator focus on sustainability broadly (i.e. not just one sustainability issue, such as climate change) and cover the entire institution. A committee, office, or coordinator that focuses on just one department or school within the institution does not count for this credit.

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

### Does the institution have a sustainability committee? :

Yes

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

Sustainability and Energy Management Council with senior representation from each of the 10 Schools and VP units, representing key areas (Facilities, Financial Deans, IT, HR, Administration, etc.). Greenhouse Gas (GHG) Reduction Goal Executive Committee: The GHG Reduction Goal Executive Committee meets frequently (monthly to quarterly) to oversee the implementation of Harvard's GHG Reduction Goal. Council of Student Sustainability Leaders comprised of student leaders from each Harvard undergrad and grad schools that advise the Office for Sustainability on strategy and policy.

### Members of the committee, including affiliations :

The GHG Reduction Executive Committee is chaired by Katie Lapp, Executive Vice President, Harvard University, Jeremy Bloxham, Dean of Science and Mallinckrodt Professor of Geophysics, Faculty of Arts and Sciences, and Professor of Computational Science, School of Engineering and Applied Sciences and Robert S. Kaplan, Professor of Management Practice and Acting Deputy Treasurer of Harvard College.

The Council of Student Sustainability Leaders is comprised of student leaders from each Harvard undergrad and grad schools that advise the Office for Sustainability on strategy and policy.

Sustainability and Energy Management Council with senior representation from each of the 10 Schools and VP units, representing key areas (Facilities, Financial Deans, IT, HR, Administration, etc.).

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

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

Yes

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

The Harvard Office for Sustainability (OFS) works as a catalyst for a change by partnering with faculty, students and staff at all Schools and administrative units to foster a culture of sustainability and use the campus as a living laboratory for innovation. OFS oversees the implementation of Harvard's sustainability goals and convenes the community to share best practices and develop new programs and policies that strive to serve as replicable models to inspire our students and future leaders, and seek to influence the higher education, government and business sectors.

**The number of people employed in the sustainability office :**

14

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

<http://green.harvard.edu/ofc/mission>

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

Yes

**Sustainability coordinator's name :**

Heather Henriksen

**Sustainability coordinator's position title :**

Director of the Office for Sustainability

**A brief description of the sustainability coordinator's position :**

The Director of the Office for Sustainability manages the Office for Sustainability and partners with executives from Harvard's Schools and administrative units to develop strategic plans around

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

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# Strategic Plan

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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## Criteria

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

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

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

---

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

## Year the strategic plan or equivalent was completed or adopted :

2004

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

Yes

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

In 2004 the Harvard Sustainability Principles were adopted University-wide to reflect our commitment to integrating sustainability into our operations. We continue to improve our operations with a focus on seamlessly integrating sustainability into our management and financial systems and to learning through advanced research, analysis, and experience gained over time. The Harvard Sustainability Principles are intended to "...guide Harvard's practices toward sustainability through the management of building design, construction, renovation, procurement, landscape, energy, water, waste, emissions, transportation, human health, and productivity." The Harvard Sustainability Principles are online here:

<http://www.green.harvard.edu/commitments/principles>

## Does the institution's strategic plan or equivalent guiding document include the social dimensions of sustainability at Campus Sustainability Data Collector | AASHE | Sierra Magazine

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**a high level? :**

Yes

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

Developing planning tools to enable comparative analysis of sustainability implications and to support long-term economic, environmental, and socially responsible decision-making

**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 :**

Developing planning tools to enable comparative analysis of sustainability implications and to support long-term economic, environmental, and socially responsible decision-making

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

<http://www.green.harvard.edu/commitments/principles>

# Physical Campus Plan

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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## Criteria

Institution's current plan for its physical campus (commonly referred to as the campus master plan) includes sustainability at a high level.

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

Neither a strategic plan (which is covered in *PAE Credit 2: Strategic Plan*) nor an independent sustainability plan (which is covered in *PAE Credit 4: Sustainability Plan*) counts for this credit.

Plans developed at the system level are eligible for this credit. Likewise, multiple plans which together cover the institution's entire physical campus are eligible for this credit.

---

## Submission Note:

As noted above there is no physical campus plan -- planning occurs on a district level so the date developed or adopted is not applicable (which is why we filled out the date developed or adopted as 1900)

"---" 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 :

Comprehensive physical or master planning on Harvard's Cambridge campus is being undertaken at a district level, recognizing the unique physical and functional attributes of distinct areas of the campus. Several examples of recent district planning efforts at Harvard are included below. Future district-based planning initiatives at Harvard, including several now in early stages of development, will also include environmental sustainability components.

## The year the physical campus plan was developed or adopted :

1900

## The website URL where the physical campus plan is available :

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# Sustainability Plan

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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## Criteria

Institution has a sustainability plan that was developed with input from faculty, staff, and students. The plan includes measurable goals with corresponding strategies and timeframes to achieve the goals. The plan need not be formally adopted.

The plan covers multiple sustainability topics and issues. Plans focused exclusively on climate change, which are covered by *PAE Credit 5: Climate Plan*, are not eligible for this credit.

Strategic or master plans that cover sustainability may count for this credit if they meet the other criteria outlined above.

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

### **Does the institution have a sustainability plan that meets the criteria for this credit? :**

No

### **A brief description of how multiple stakeholder groups were involved in developing the plan :**

Harvard is in the process of planning a joint faculty, student and staff stakeholder group comprised representatives from its 12 Schools and administrative units to review and recommend a sustainability plan beyond GHG reduction.

### **A brief description of the plan's measurable goals :**

Harvard is in the process of planning a joint faculty, student and staff stakeholder group comprised representatives from its 12 Schools and administrative units to review and recommend a sustainability plan beyond GHG reduction.

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

Harvard is in the process of planning a joint faculty, student and staff stakeholder group comprised representatives from its 12 Schools and administrative units to review and recommend a sustainability plan beyond GHG reduction.

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

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### **The year the plan was developed or last updated :**

Campus Sustainability Data Collector | AASHE | Sierra Magazine

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# Climate Action Plan

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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## Criteria

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

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

---

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

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

Yes

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

Harvard has set a specific short term goal. Future targets will be set on a rolling basis as an outcome of quadrennial review, and will include formulating a goal for 2020. Harvard has committed to a long term goal of fostering continuous improvement in efforts to reduce its net GHG emissions, aiming toward GHG neutrality for Harvard's overall operations at the maximum practicable rate consistent with the evolving state of understanding about the climate problem, related sustainability issues and the options for dealing with them.

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

Harvard has a goal to reduce greenhouse gas emissions 30% by 2016 including growth, from a 2006 baseline. Detailed inventory data and projections are reviewed on an annual basis.

### Year the climate plan was formally adopted or approved :

2008

### An indication of whether institution has made a commitment to reduce GHG emissions a specific amount by a target year :

Yes

**List which emissions (scope 1, 2, and/or 3) are included in its GHG emissions commitment :**

Scope 1 and 2 including in short-term goal with commitment to explore Scope 3 in future long-term goals

**The reduction level (percentage) institution has committed to :**

30% by 2016

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

Jan. 1, 2006

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

300,000

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

Dec. 31, 2016

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

<http://green.harvard.edu/greenhousegas>

# Diversity and Affordability

This subcategory seeks to recognize institutions that are working to advance diversity and affordability on campus. In order to build a sustainable society, diverse groups will need to be able to come together and work collaboratively to address sustainability challenges. People of color and low-income communities tend to suffer disproportionate exposure to environmental problems. This environmental injustice happens as a result of unequal and segregated communities. To achieve environmental and social justice, society must work to address discrimination and promote equality. The historical legacy and persistence of discrimination based on racial, gender, religious, and other differences makes a proactive approach to promoting a culture of inclusiveness an important component of creating an equitable society. Higher education opens doors to opportunities that can help create a more equitable world, and those doors must be open through affordable programs accessible to all regardless of race, gender, religion, socio-economic status and other differences. In addition, a diverse student body, faculty, and staff provide rich resources for learning and collaboration.

## Credit

Diversity and Equity Coordination

Measuring Campus Diversity Culture

Support Programs for Underrepresented Groups

Support Programs for Future Faculty

Affordability and Access Programs

Gender Neutral Housing

Employee Training Opportunities

Student Training Opportunities

# Diversity and Equity Coordination

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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## Criteria

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

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

### Does the institution have a diversity and equity committee? :

Yes

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

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### Members of the committee, including job titles and affiliations :

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

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

Yes

### A brief description of the diversity office :

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### The number of people employed in the diversity office :

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

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### Does the institution have a diversity and equity coordinator? :

Yes

**Diversity coordinator's name :**

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**Diversity coordinator's position title :**

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**A brief description of the diversity coordinator's position :**

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

<http://www.evp.harvard.edu/diversity>

# Measuring Campus Diversity Culture

## Criteria

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

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

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

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

## Support Programs for Underrepresented Groups

### Criteria

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

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

# Support Programs for Future Faculty

## 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.

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

# Affordability and Access Programs

## Criteria

Institution has policies and programs in place to make it accessible and affordable to low-income students. Such policies and programs may include, but are not limited to, the following:

- Policies and programs to minimize the cost of attendance for low-income students
- Programs to equip the institution's faculty and staff to better serve students from low-income backgrounds
- Programs to prepare students from low-income backgrounds for higher education such as the federal TRIO programs
- Scholarships for low-income students
- Programs to guide parents of low-income students through the higher education experience
- Targeted outreach to recruit students from low-income backgrounds
- Other admissions policies or programs
- Other financial aid policies or programs

Institutions are not required to have programs or policies in each of the above areas in order to earn this credit. They may pursue the policies and programs that are appropriate for their context.

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

## Gender Neutral Housing

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

## Employee Training Opportunities

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

## Student Training Opportunities

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

# Human Resources

This subcategory seeks to recognize institutions that have incorporated sustainability into their human resources programs and policies. This includes recognition for treating and remunerating their workers responsibly and fairly. An institution's people define its character and capacity to perform; and so, an institution's achievements can only be as strong as its community. An institution can bolster the strength of its community by making fair and responsible investments in its human capital. Such investments include offering benefits, wages, and other assistance that serve to respectfully and ethically compensate workers. Investment in human resources is integral to the achievement of a healthy and sustainable balance between human capital, natural capital, and financial capital.

In addition, this subcategory recognizes faculty and staff training and development programs in sustainability. Faculty and staff members' daily decisions impact an institution's sustainability performance. Equipping faculty and staff with the tools, knowledge, and motivation to adopt behavior changes that promote sustainability is an essential activity of a sustainable campus.

## Credit

Sustainable Compensation

Employee Satisfaction Evaluation

Staff Professional Development in Sustainability

Sustainability in New Employee Orientation

Employee Sustainability Educators Program

Childcare

Employee Wellness Program

Socially Responsible Retirement Plan

# Sustainable Compensation

## 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.

---

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

# Employee Satisfaction Evaluation

## 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.

---

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

# Staff Professional Development in Sustainability

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## Responsible Party

**JAclyn olsen**  
Assistant Director  
Office for Sustainability

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### Criteria

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

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

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

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

The following training opportunities are not sufficient for this credit:

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

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

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

Yes

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

FAS hosts a monthly best practices sharing event, bringing in vendors and relevant experts.

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

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# Sustainability in New Employee Orientation

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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## Criteria

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

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

### **Does the institution cover sustainability topics in new employee orientation and/or in outreach and guidance materials distributed to new employees, including faculty and staff? :**

Yes

### **A brief description of how sustainability is included in new employee orientation :**

New employee orientation for all Harvard employees includes a 10 minute overview of sustainability at Harvard, including showing an orientation video produced specifically for new employee orientation with a message from Harvard's President:

<http://youtu.be/OEXiEFZxLx4>

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

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# Employee Sustainability Educators Program

## Criteria

Institution administers or oversees an ongoing faculty/staff peer-to-peer sustainability outreach and education program. In the program, employee sustainability educators are formally designated and receive formal training or participate in an institution-sponsored orientation. The institution offers financial or other support to the program.

---

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

# Childcare

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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

**Does the institution have an on-site child care facility, partner with a local facility, and/or provide subsidies or financial support to help meet the child care needs of students, faculty, and staff? :**

Yes

**A brief description of the child care program, policy, or practice :**

here are six nonprofit, independent child-care centers located in University space.

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

<http://childcare.harvard.edu/>

# Employee Wellness Program

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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

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

Yes

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

At the Center for Wellness at Harvard University Health Services we take an integrative approach to the promotion of well-being and the restoration of balance, by attending to the physical, emotional, and spiritual parts in each of us. Our innovative programs, services, and initiatives are for everyone in the Harvard community, including students, faculty, staff, retirees, and university affiliates. Harvard Medical School and Harvard Dental School offer their employees and their family members an innovative mix of exercise and wellness programs through Fitcorp, designed to meet individual interests and goals including weight loss, stress management, cardiovascular endurance, sports-specific conditioning and improving overall health.

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

<http://cw.uhs.harvard.edu/index.html>

## Socially Responsible Retirement Plan

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

# Investment

This subcategory seeks to recognize institutions that make investment decisions that promote sustainability. Most institutions invest some of their assets in order to generate income. Together, colleges and universities invest hundreds of billions of dollars. Schools with transparent and democratic investment processes promote accountability and engagement by the campus and community. Furthermore, institutions can support sustainability by investing in companies and funds that, in addition to providing a strong rate of return, are committed to social and environmental responsibility. Investing in these industries also supports the development of sustainable products and services. Finally, campuses can engage with the businesses in which they are invested in order to promote sustainable practices.

Throughout this subcategory, the term “sustainable investment” is inclusive of socially responsible, environmentally responsible, ethical, impact, and mission-related investment.

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## From the institution:

PLEASE NOTE: Harvard Office for Sustainability will file the answers to Investment and Endowment related questions in an addendum to be provided later. We are still in the process of collecting the information.

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The Harvard Management Company's singular mission is to generate strong long-term investment returns to support the educational and research goals of Harvard University. At the same time, we are, by the nature of our long-term mission, concerned with sustainability. Such an extended investment horizon gives us an edge relative to other investors and also compels us to think in decades, not months or years, when assessing the costs and benefits of our investment decisions and operating model.

As a result, all of our investments are thoroughly vetted for their potential returns, their risks, and also for their sustainability. Our due diligence process includes critical evaluation of issues related to environment, labor practices and corporate governance. Investments that fall short in any of these areas are unlikely to generate the strong long-term returns we require. Our entire focus is on growing the endowment in a sustainable way, so that it can provide capital to support the long-term goals of the University, including Harvard's progressive and generous financial aid policies.

## Credit

Committee on Investor Responsibility
Shareholder Advocacy
Positive Sustainability Investments
Student-Managed Sustainable Investment Fund
Sustainable Investment Policy
Investment Disclosure

# Committee on Investor Responsibility

## Criteria

Institution has a formally established and active CIR or similar body that makes recommendations to the Board of Trustees on socially and environmentally responsible investment opportunities across asset classes, including proxy voting. The body has multi-stakeholder representation, which means its membership includes faculty, staff, and students and may include alumni, trustees, and/or other parties.

Institutions for which investments are handled by the university system and/or a separate foundation of the institution should report on the investment policies and activities of those entities.

A general committee that oversees the institution's investments does not count for this credit unless social and environmental responsibility is an explicit part of its mission and/or agenda.

This credit applies to institutions with endowments of US \$1 million or larger. Institutions with endowments totaling less than US \$1 million may choose to omit this credit.

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

# Shareholder Advocacy

## Criteria

There are two possible approaches to earning this credit.

- 1) Institution filed or co-filed one or more shareholder resolutions that address sustainability or submitted one or more letters about social or environmental responsibility to a company in which it holds investments, during the previous three years.

and/or

- 2) Institution has conducted a negative screening of its entire investment pool within the last three years. This could take the form of prohibiting investment in an industry (e.g. tobacco or weapons manufacturing) or participating in a divestment effort (e.g. companies operating in South Africa during apartheid). The negative screen includes selling all but \$2,000 or less of the affected direct holdings and writing a letter to all fund managers encouraging them to remove affected holdings as well.

Institutions for which investments are handled by the university system and/or a separate foundation of the institution should report on the shareholder advocacy activities of those entities.

---

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

# Positive Sustainability Investments

## Criteria

Institution invests in any of the following:

- Sustainable industries, such as renewable energy or sustainable forestry
- Businesses selected for exemplary sustainability performances
- Sustainability investment funds, such as a renewable energy investment fund
- Community development financial institutions (CDFI)
- Socially responsible mutual funds with positive screens.

Investment in a socially responsible mutual fund with only negative screens (i.e. one that excludes egregious offenders or certain industries, such as tobacco or weapons manufacturing) does not count for this credit.

Institutions for which investments are handled by the university system and/or a separate foundation of the institution should report on the investment policies and activities of those entities.

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

## Student-Managed Sustainable Investment Fund

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

## Sustainable Investment Policy

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

## Investment Disclosure

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

# Public Engagement

This subcategory seeks to recognize institutions that give back to their communities through community service, engagement, and partnerships. Volunteerism and the sense of compassion that community service helps develop are fundamental to achieving sustainability. From tutoring children to removing invasive species to volunteering at a food bank, students, faculty, and staff can make tangible contributions that address sustainability challenges through community service. Community engagement can help students develop leadership skills while deepening their understandings of practical, real-world problems. Institutions can contribute to their communities by harnessing their financial and academic resources to address community needs. For example, faculty research and courses can focus on how to address community problems. In addition, colleges and universities can offer incentives for their graduates to pursue careers that fill community needs, and schools can use their prominence to advocate for sustainability outside of their institutions.

## Credit

Community Sustainability Partnerships

Inter-Campus Collaboration on Sustainability

Sustainability in Continuing Education

Community Service Participation

Community Service Hours

Sustainability Policy Advocacy

Trademark Licensing

Graduation Pledge

Community Service on Transcripts

Farmers' Market

# Community Sustainability Partnerships

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## **Responsible Party**

**JAclyn olsen**  
Assistant Director  
Office for Sustainability

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### **Criteria**

Institution has formal partnership(s) with the local community, including school districts, government agencies, non-profit organizations, or other entities, to work together to advance sustainability within the community.

---

"---" 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 :**

Harvard is a member of the Boston Green Ribbon Commission, the EVP is the Chair of the Higher Education Working Group.

Harvard is a member of the City of Cambridge Climate Protection Action Committee, representing the higher education sector.

### **The website URL where information about sustainability partnerships is available :**

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# Inter-Campus Collaboration on Sustainability

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## Responsible Party

**JAclyn olsen**  
Assistant Director  
Office for Sustainability

---

## Criteria

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

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

### **Does the institution collaborate with other colleges and universities to support and help build the campus sustainability community? :**

Yes

### **A brief summary of papers, guides, presentations, and other resources the institution has developed to share their sustainability experience with other institutions :**

We regularly present and develop resources for conferences. Recent examples include:

Sustainable Operations Summit,  
AASHE,  
GreenBuild,  
NECSC, Sustainable Cities and Campuses Conference, Massachusetts  
Sustainable Cities and Campuses Conference, Maryland  
SEI Billion Dollar Green Fund Challenge Conference (hosted at Harvard)

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

Ivy Plus Sustainability Group

New England Campus Sustainability Consortium

Boston Green Ribbon Commission, Harvard's EVP is the Chair of the Higher Education Working Group

SEI Billion Dollar Green Fund - Harvard is a Charter Member

Harard represents the higher ed sector on the Cambridge Climate Protection Action Committee

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

In addition to our work with US Universities, the Office for Sustainability hosted visitors from Universities through-out the world, including

Jordan, Tokyo, Finland, Canada, Korea

We also host building tours for area colleges and professionals.

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

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# Sustainability in Continuing Education

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

---

## Criteria

### **Part 1**

Institution offers continuing education courses that are focused on or related to sustainability.

Courses that can be taken for academic credit are not included in this credit. They are covered by the *Curriculum* subcategory.

### **Part 2**

Institution has a sustainability-related certificate program through its continuing education or extension department.

---

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

#### **Does the institution offer continuing education courses that are focused on or related to sustainability? :**

Yes

#### **Number of sustainability continuing education courses offered :**

31

#### **Total number of continuing education courses offered :**

650

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

Yes

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

Offers a Graduate Program in Sustainability and Environmental Management including a Masters in Sustainability and Environmental Management. Gain a foundation for careers in environmental law, sustainable architecture, corporate sustainability, and environmental management consulting.

Also provides a Sustainability Certificate:

<http://www.extension.harvard.edu/degrees-certificates/professional-certificates/sustainability-certificate>

Through the 5-course Certificate in Sustainability, you'll acquire foundational knowledge in environmental management and build skills to implement sustainable, environmentally friendly practices.

**Year the certificate program was created :**

2004

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

<http://www.extension.harvard.edu/degrees-certificates/sustainability-environmental-management/overview>

# Community Service Participation

## 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.

---

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

# Community Service Hours

## 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.

---

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

# Sustainability Policy Advocacy

## Criteria

Institution advocates for federal, state, or local public policies that support campus sustainability or that otherwise advance sustainability.

The policy advocacy must be done by the institution, not by students or a student group.

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

# Trademark Licensing

## Criteria

### *Part 1*

Institution is a member of the Fair Labor Association or Worker Rights Consortium.

### *Part 2*

Institution has signed on to participate in the Designated Suppliers Program.

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

## Graduation Pledge

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

## Community Service on Transcripts

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

# Farmers' Market

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

---

"---" 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 :

Harvard hosts two famers' markets for the community that run from the spring through to the fall. The markets feature fresh, local and organic meats, fish and produce and products.

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

[http://www.dining.harvard.edu/flp/ag\\_market.html](http://www.dining.harvard.edu/flp/ag_market.html)

# Innovation

## Innovation

These credits recognize institutions that are seeking innovative solutions to sustainability challenges and demonstrating sustainability leadership in ways that are not otherwise captured by STARS.

Credit
Innovation 1
Innovation 2
Innovation 3
Innovation 4

# Innovation 1

---

## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

---

## Criteria

- 1) Innovation credits are reserved for new, extraordinary, unique, groundbreaking, or uncommon outcomes, policies, and practices that greatly exceed the highest criterion of an existing STARS credit or are not covered by an existing STARS credit.
  - 2) In general, innovation credits should have roughly similar impacts or be on the same scale as Tier One credits.
  - 3) The innovative practice, policy, program, or outcome should have occurred within the past three years.
  - 4) The innovative practice or program has to be something that the institution has already done; planned activities do not count.
  - 5) An institution can only claim a particular activity as an innovation credit once. When re-submitting for a STARS rating, an innovation credit that the institution submitted previously cannot be re-submitted.
  - 6) Practices, policies, and programs that were once considered innovative but are now widely adopted (e.g. being the first institution to enact a policy 20 years ago that is now common) may not be claimed as innovation credits.
  - 7) Multiple activities or practices whose sum is innovative can be considered for an innovation credit as long as those activities or practices are related. For example, three innovative waste reduction programs in research laboratories could be listed together under a single innovation credit for Greening Laboratories. Listing a series of unrelated accomplishments or events under a single innovation credit is not accepted.
  - 8) While the practices that led to receiving an award may be appropriate for an innovation credit, winning awards and/or high sustainability rankings in other assessments is not, in and of itself, grounds for an innovation credit.
  - 9) Outcomes, policies, and practices that are innovative for the institution's region or school type are eligible for innovation credits.
  - 10) When the innovation is part of a partnership, the summary provided must clearly describe the institution's role in the innovation.
- 

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

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

Harvard started its formal Green Office Program in January 2009. One of the first (if not the first), the program has provided a model for many other institutions—we make our checklists and resources public on our website for others to use. The Green Office Program is comprised of 4 tiered checklists (Leaf level 1 through 4) based around key resource conservation areas, as well as numerous Harvard-specific resources to get started and help individuals take action (fact sheets, posters, prompts, etc.). We have 146 completed Green Offices as of 2012, representing over 2,600 staff members in offices across Harvard. We hold multiple Green Office trainings throughout the year.

**A letter of affirmation from an individual with relevant expertise :**

[AASHE Innovation Letter Note.pdf](#)

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

<http://www.green.harvard.edu/green-office>

# Innovation 2

---

## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

---

## Criteria

- 1) Innovation credits are reserved for new, extraordinary, unique, groundbreaking, or uncommon outcomes, policies, and practices that greatly exceed the highest criterion of an existing STARS credit or are not covered by an existing STARS credit.
  - 2) In general, innovation credits should have roughly similar impacts or be on the same scale as Tier One credits.
  - 3) The innovative practice, policy, program, or outcome should have occurred within the past three years.
  - 4) The innovative practice or program has to be something that the institution has already done; planned activities do not count.
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  - 9) Outcomes, policies, and practices that are innovative for the institution's region or school type are eligible for innovation credits.
  - 10) When the innovation is part of a partnership, the summary provided must clearly describe the institution's role in the innovation.
- 

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

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

Student Weatherization Events are collaborative sustainability events during which students and staff partnered to improve the energy efficiency of targeted houses and offices on campus. In 2010, Harvard received Campus and Student Sustainability Award from the Association for the Advancement of Sustainability in Higher Education (AASHE) for the projects in "Best Campus Case Study" category. To date, there have been three weatherizations involving over 100 students who have been engaged with staff in implementing energy efficiency measures that are projects to save Harvard over \$12,000 and in one building resulted in a 26% improvement in efficiency.

**A letter of affirmation from an individual with relevant expertise :**

[AASHE Innovation Letter Note.pdf](#)

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

<http://www.green.harvard.edu/weatherizing-freshman-deans-office-0>

# Innovation 3

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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## Criteria

- 1) Innovation credits are reserved for new, extraordinary, unique, groundbreaking, or uncommon outcomes, policies, and practices that greatly exceed the highest criterion of an existing STARS credit or are not covered by an existing STARS credit.
  - 2) In general, innovation credits should have roughly similar impacts or be on the same scale as Tier One credits.
  - 3) The innovative practice, policy, program, or outcome should have occurred within the past three years.
  - 4) The innovative practice or program has to be something that the institution has already done; planned activities do not count.
  - 5) An institution can only claim a particular activity as an innovation credit once. When re-submitting for a STARS rating, an innovation credit that the institution submitted previously cannot be re-submitted.
  - 6) Practices, policies, and programs that were once considered innovative but are now widely adopted (e.g. being the first institution to enact a policy 20 years ago that is now common) may not be claimed as innovation credits.
  - 7) Multiple activities or practices whose sum is innovative can be considered for an innovation credit as long as those activities or practices are related. For example, three innovative waste reduction programs in research laboratories could be listed together under a single innovation credit for Greening Laboratories. Listing a series of unrelated accomplishments or events under a single innovation credit is not accepted.
  - 8) While the practices that led to receiving an award may be appropriate for an innovation credit, winning awards and/or high sustainability rankings in other assessments is not, in and of itself, grounds for an innovation credit.
  - 9) Outcomes, policies, and practices that are innovative for the institution's region or school type are eligible for innovation credits.
  - 10) When the innovation is part of a partnership, the summary provided must clearly describe the institution's role in the innovation.
- 

## Submission Note:

To view videos from the events visit:

<http://www.youtube.com/playlist?list=PLA791B69077E0D514&feature=plcp>

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

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

The Harvard Green Carpet Awards is an annual program to recognize and celebrate students, staff, faculty and alumni from all of our 12 Schools and multiple administrative units who have contributed to Harvard's sustainability goals, including our GHG reduction goal.

This is our flagship annual university-wide event that draws over 500 attendees each year. The event is unique in that it:

1. Celebrate both individual and team accomplishment in over half a dozen categories.
2. Incorporates student performances.
3. Celebrates and recognizes accomplishments of a leading environmental alumnus and includes a keynote from that individual (Lester Brown was our 2012 Alumni Award winner).
4. Recognizes one senior administrative leader and exceptional faculty contributor to campus sustainability each year.
5. Involves over twenty senior administrative leaders and leading faculty members as presenters, selection committee members, and guest speakers at the award ceremonies.

**A letter of affirmation from an individual with relevant expertise :**

[AASHE Innovation Letter Note.pdf](#)

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

<http://green.harvard.edu/greencarpet2012>

# Innovation 4

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

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## Criteria

- 1) Innovation credits are reserved for new, extraordinary, unique, groundbreaking, or uncommon outcomes, policies, and practices that greatly exceed the highest criterion of an existing STARS credit or are not covered by an existing STARS credit.
  - 2) In general, innovation credits should have roughly similar impacts or be on the same scale as Tier One credits.
  - 3) The innovative practice, policy, program, or outcome should have occurred within the past three years.
  - 4) The innovative practice or program has to be something that the institution has already done; planned activities do not count.
  - 5) An institution can only claim a particular activity as an innovation credit once. When re-submitting for a STARS rating, an innovation credit that the institution submitted previously cannot be re-submitted.
  - 6) Practices, policies, and programs that were once considered innovative but are now widely adopted (e.g. being the first institution to enact a policy 20 years ago that is now common) may not be claimed as innovation credits.
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  - 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.
- 

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

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

Annual Assessment of School Plans and Integration with Capital Planning. Schools and central administrative units integrate energy conservation measures over \$100,000 in their annual Capital Plan submissions. The process embeds GHG Reduction planning into the University's mid and long-range space and growth planning, and provides OFS with estimates of growth and emissions due to construction or purchase of new buildings or more energy intensive use of existing space. In addition, OFS tracks projects under \$100,000, which are funded by operating budgets. In addition Harvard gas created a • University-wide Life Cycle Costing: The life cycle costing process includes consistent, clear financial and GHG reduction metrics to ensure long-term financial impacts are included in Campus Sustainability Data Collector | AASHE | Sierra Magazine

decision-making and project prioritization.

**A letter of affirmation from an individual with relevant expertise :**

[AASHE Innovation Letter Note.pdf](#)

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

<http://www.green.harvard.edu/theresource/new-construction/life-cycle-costing/methodology>

# Supplemental

## Supplemental Data

The supplemental section includes reporting fields that are not part of STARS, but that have been requested by campus survey organizations (the Sustainable Endowments Institute, The Princeton Review, and Sierra magazine). Institutions that wish to share their data with one or more of these organizations should complete the fields in full or contact the relevant organization(s) for guidance regarding minimum reporting requirements.

Credit
New Student Orientation
Food Education
Food and Beverage Purchases
Confinement-Free Food Purchases
Vegetarian-Fed Food Purchases
Hormone-Free Food Purchases
Seafood Purchases
Dishware
Energy Initiatives
Energy Use by Type
Procurement
Bike Sharing
Water Initiatives
Endowment
Sustainability Staffing

# New Student Orientation

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## Responsible Party

**Robyn Tsukayama**

Assistant Director

Office for Sustainability

---

## 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 first freshman "brain break" of the year is dedicated to sustainability and attracts the entire incoming class. There is a sustainability fair featuring groups from across campus and students receive a re-usable mug and sign an eco-pledge.

### **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 :**

Sustainability is included in new student orientation activities through tabling, information in handbooks, film screenings, move-in packets, orientation for Resident Advisers, orientation for new students (i.e. letters from the Dean highlighting sustainability on campus, welcoming speeches with sustainability talking points, video from the President on OFS website, etc.).

### **Does new student orientation actively engage students in activities that raise awareness about sustainability, highlight how sustainability plays out on campus, or allows students to take part in a productive green activity? :**

Yes

#### **Provide a brief description of the activities :**

Every year Harvard creates a Green'15 group (number reflects date of graduation) that allows incoming students to come together as a group to learn about sustainability, take part in sustainability activities, and develop new campaigns and activities to build a more Campus Sustainability Data Collector | AASHE | Sierra Magazine

sustainable campus.

Student Sustainable Grant applications are launched when the school year starts and students have the opportunity to apply for funding of their energy conservation or sustainability projects. Students play the recycling game to learn how to recycle, they weight their food scraps and can join the clean plate club, they are given access to the shuttles on campus and the bike sharing programs, and they can take a mobile tour of campus to learn about the sustainable features.

**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 :**

Orientation events follow our Green Event Guide, limited paper flyers are printed as we provide large posters with QR codes for download, we bring laptops to have new students sign up for our email lists and resources, we have various Deans include sustainability points in their welcoming emails, the Early Interview Program at the Law School has participating companies buy carbon offsets for their travel, we have a freecycle event at move-in so student can pick up used/recycle items instead of purchasing them, a student project last year was to create a green dorm room where all the products sourced were "green" and had a lower carbon footprint than conventional items.

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

---

**Provide a brief description :**

---

# Food Education

---

## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

---

### Criteria

Institution provides education about eco-positive food and gardening techniques.

---

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

#### **Are students educated in an academic class about how to make eco-positive food choices? :**

Yes

#### **Provide a brief description :**

Several Harvard classes in which Harvard Dining participates that discuss food and sustainability

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

Yes

#### **Provide a brief description :**

The Food Literacy Project uses students to educate their peers about eco-positive food choices through events and educational campaigns

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

Yes

#### **Provide a brief description :**

Several orientation programs include information about eco-positive food choices.

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

Yes

**Provide a brief description :**

Classes, workshops and lectures across Harvard are held throughout the year to educate students about eco-positive food choices

**Is there a program by which students are encouraged to and/or taught how to grow their own food? :**

Yes

**Provide a brief description of the program :**

The Harvard Community Garden provides a space for students to learn how to grow their own food.

# Food and Beverage Purchases

---

## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

---

## Criteria

Institution provides details of its food and beverage purchases.

---

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

**The percentage of food and beverage expenditures that were processed within 100 miles of the institution by a company that is not publicly traded :**

19.80

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

5.80

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

FoodPro

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

The Faculty Club buys produce from the Harvard Community Garden, similar to a weekly CSA share that could anything from herbs to produce like squash, tomatoes, cucumbers, etc.

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

---

**List all Fair Trade certified items purchased :**

Coffee

# Confinement-Free Food Purchases

---

## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

---

### Criteria

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

---

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

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

Liquid and whole

#### Percentage purchased :

100

#### Comments :

---

#### Type of confinement-free product purchased (1st product) :

---

#### Percentage purchased (1st product) :

---

#### Comments (1st product) :

---

#### Type of confinement-free product purchased (2nd product) :

---

#### Percentage purchased (2nd product) :

---

#### Comments (2nd product) :

---

**Type of confinement-free product purchased (3rd product) :**

---

**Percentage purchased (3rd product) :**

---

**Comments (3rd product) :**

---

**Type of confinement-free product purchased (4th product) :**

---

**Percentage purchased (4th product) :**

---

**Comments (4th product) :**

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# Vegetarian-Fed Food Purchases

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## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

---

## Criteria

Institution provides details of its vegetarian-fed animal product purchases.

---

### Submission Note:

Not tracked

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

### Type of vegetarian-fed product purchased (1st product) :

Not tracked but served

### Percentage purchased (1st product) :

---

### Comments (1st product) :

---

### Type of vegetarian-fed product purchased (2nd product) :

---

### Percentage purchased (2nd product) :

---

### Comments (2nd product) :

---

### Type of vegetarian-fed product purchased (3rd product) :

---

### Percentage purchased (3rd product) :

---

**Comments (3rd product) :**

---

**Type of vegetarian-fed product purchased (4th product) :**

---

**Percentage purchased (4th product) :**

---

**Comments (4th product) :**

---

**Type of vegetarian-fed product purchased (5th product) :**

---

**Percentage purchased (5th product) :**

---

**Comments (5th product) :**

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# Hormone-Free Food Purchases

---

## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

---

## Criteria

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

---

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

### Type of hormone-free product purchased (1st product) :

Milk

### Percentage purchased (1st product) :

---

### Comments (1st product) :

---

### Type of hormone-free product purchased (2nd product) :

---

### Percentage purchased (2nd product) :

---

### Comments (2nd product) :

---

### Type of hormone-free product purchased (3rd product) :

---

### Percentage purchased (3rd product) :

---

### Comments (3rd product) :

---

**Type of hormone-free product purchased (4th product) :**

---

**Percentage purchased (4th product) :**

---

**Comments (4th product) :**

---

**Type of hormone-free product purchased (5th product) :**

---

**Percentage purchased (5th product) :**

---

**Comments (5th product) :**

---

# Seafood Purchases

---

## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

---

## Criteria

Institution provides details of seafood products purchased that meet Marine Stewardship Council Blue Ecolabel standards and/or Monterey Bay Aquarium Seafood Watch guidelines.

---

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

### Type of seafood product purchased that meets Marine Stewardship Council Blue Ecolabel standards and/or Monterey Bay Aquarium Seafood Watch guidelines (1st product) :

We are working with Barton Seaver and National Geographic to develop a new seafood purchasing program that integrates a broader view of sustainable seafood, as the varying certifications do not comprehensively cover the range of available seafoods

### Percentage purchased (1st product) :

---

### Standard used (1st product) :

---

### Comments (1st product) :

---

### Type of seafood product purchased that meets Marine Stewardship Council Blue Ecolabel standards and/or Monterey Bay Aquarium Seafood Watch guidelines (2nd product) :

---

### Percentage purchased (2nd product) :

---

### Standard used (2nd product) :

---

### Comments (2nd product) :

---

**Type of seafood product purchased that meets Marine Stewardship Council Blue Ecolabel standards and/or Monterey Bay Aquarium Seafood Watch guidelines (3rd product) :**

---

**Percentage purchased (3rd product) :**

---

**Standard used (3rd product) :**

---

**Comments (3rd product) :**

---

**Type of seafood product purchased that meets Marine Stewardship Council Blue Ecolabel standards and/or Monterey Bay Aquarium Seafood Watch guidelines (4th product) :**

---

**Percentage purchased (4th product) :**

---

**Standard used (4th product) :**

---

**Comments (4th product) :**

---

**Type of seafood product purchased that meets Marine Stewardship Council Blue Ecolabel standards and/or Monterey Bay Aquarium Seafood Watch guidelines (5th product) :**

---

**Percentage purchased (5th product) :**

---

**Standard used (5th product) :**

---

**Comments (5th product) :**

---

# Dishware

---

## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

---

### Criteria

Institution provides details of the dishware its provides at its dining services locations.

---

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

**Does the institution offer reusable dishware at its dining services locations? :**

Yes

**Does the institution offer plastic dishware at its dining services locations? :**

No

**Does the institution offer polystyrene (Styrofoam) dishware at its dining services locations? :**

No

**Does the institution offer post-consumer recycled content dishware at its dining services locations? :**

Yes

**Does the institution offer biodegradable / compostable dishware at its dining services locations? :**

Yes

**Does the institution offer other types of dishware at its dining services locations? :**

---

**Provide a brief description. :**

---

# Energy Initiatives

---

## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

---

## Criteria

Institution provides details about its energy initiatives.

---

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

**The percentage of total building space square footage that has undergone energy retrofits or renovations within the past three years :**

18

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

---

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

3

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

4.50

**The combined gross square footage of all buildings that were constructed or underwent renovations in the past three years that are ENERGY STAR labeled :**

---

**The names of all buildings that were constructed or underwent renovations in the past three years that are ENERGY STAR labeled :**

---

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

---

**The names of all buildings that are ENERGY STAR labeled :**

---

# Energy Use by Type

---

**Responsible Party**

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

---

## Criteria

Institution reports its energy use by type.

---

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

**The percentage of total electricity use from coal. :**

6

**The percentage of total electricity use from wind. :**

4

**The percentage of total electricity use from biomass. :**

4

**The percentage of total electricity use from natural gas. :**

38

**The percentage of total electricity use from solar PV. :**

0.50

**The percentage of total electricity use from geothermal. :**

0

**The percentage of total electricity use from nuclear. :**

25

**The percentage of total electricity use from hydro. :**

9

**The percentage of total electricity use from other. :**

14

**Provide a brief description. :**

Oil, diesel, and refuse-derived fuels from the ISO-NE grid plus on-site cogeneration

**The percentage of total energy used for heating buildings from coal. :**

0

**The percentage of total energy used for heating buildings from biomass. :**

0.10

**The percentage of total energy used for heating buildings from electricity. :**

0

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

80

**The percentage of total energy used for heating buildings from geothermal. :**

0.50

**The percentage of total energy used for heating buildings from fuel oil. :**

3

**The percentage of total energy used for heating buildings from other. :**

17

**Provide a brief description. :**

Purchased steam and propane

**If cogeneration, please explain. :**

---

# Procurement

---

## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

---

## Criteria

Institution provides details about its procurement efforts.

---

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

**The percentage of institutionally purchased appliances that are ENERGY STAR rated (of eligible appliance categories) :**

---

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

Yes

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

---

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

---

# Bike Sharing

---

## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

---

## Criteria

Institution reports the number of bicycles available through bike sharing programs.

---

### Submission Note:

Provided in the Transportation section

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

### The number of bicycles available through bike sharing programs :

---

# Water Initiatives

---

## Responsible Party

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

---

### Criteria

Institution provides details about its water initiatives.

---

#### Submission Note:

Waterless urinals have been installed throughout campus in Harvard's dorms, offices and classrooms throughout Harvard's campus. We are not able to provide a % of waterless urinals.

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

#### Is there is a ban or restriction on selling or distributing bottled water on campus? :

Yes

#### Provide a brief description of any bottled water ban or restriction :

Harvard School of Public Health has a ban on bottled water. There is no university-wide ban but all Schools have campaigns and programs to reduce bottled water use.

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

---

#### The percentage of urinals on campus that are waterless :

---

# 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

**Colin Durrant**

Manager of Sustainability Communications  
Office for Sustainability

---

## 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) :**

610

### **FTE staff on payroll :**

14.50

### **FTE student intern/fellow :**

4