Muhlenberg College

The following information was submitted through the STARS Reporting Tool.

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

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

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Student Sustainability Educators Program

Responsible Party

Kalyna Procyk
Sustainability Coordinator
Office of Campus Sustainability

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.

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

Watts Your Bergtricity

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

At the end of the year last year, we had a competition between the dorms for two weeks, to see if the dorms could change their energy use as part of the competition. This was a very successful competition in that a lot of people realized how easy it was to cut down on their energy use and help the environment. During this period, we also had other programs that were geared to educate everyone so that they can actually participate in the competition.
Result graphs can be found at the following links

http://muhlenberg.edu/energy/NewDorms.html

http://muhlenberg.edu/energy/OldDorms.html

http://muhlenberg.edu/energy/

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

Through “Watts Your Bergtricity?” students learned about electricity use and energy consumption. Students were able to learn about ways to cut back their electricity use and energy impact. The drop in usage shows a direct correlation to a change in lifestyle to cut down on their energy demand.

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

http://muhlenberg.edu/energy/
Sustainability in New Student Orientation

Responsible Party

Kalyna Procyk
Sustainability Coordinator
Office of Campus Sustainability

Criteria

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

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

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

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

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

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

The Green Team dorm storms on move in day for freshman collecting cardboard and recyclables, educating the new residents of the recycling program here at Muhlenberg, while teaching them where to recycle and how

The Class of 2016 received reusable water bottles during orientation to use on the new hydration stations around campus to promote the use of sustainable drinking as opposed to bottled water

Kalyna Procyk makes a speech on sustainability at Muhlenberg in order to make sure that incoming students are aware and knowledgeable

The website URL where information about sustainability in new student orientation is available:
http://www.muhlenberg.edu/main/campuslife/sustainability/initiatives.html
Sustainability Outreach and Publications

Responsible Party

Kalyna Procyk
Sustainability Coordinator
Office of Campus Sustainability

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:

Sustainability at Muhlenberg website consolidates the sustainability curriculum, EnAcT (Environmental Activities), Greening Committee, Policies and Initiatives, Land Conservation, Resources

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

http://muhlenberg.edu/sustainability/
Does the institution have a sustainability newsletter?:
Yes

A brief description of the sustainability newsletter:
Regular emails to the entire campus are sent at least once a semester in lieu of a paper newsletter

The website URL for the sustainability newsletter:
---

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

A brief description of the vehicle to publish and disseminate student research on sustainability:
Home page for site provides information on current student activity on campus recent installation of solar panels on top of Seeger’s Union
Building signage that highlights green features
Hydration Stations clearly marked from Just Tap It campaign
Automatic Lights marked around campus
Recycling bins clearly marked
Food Service Signage/Brochures sustainable food systems
all of which were completed as a result of student research projects

The website URL for the vehicle to publish and disseminate student research on sustainability:
http://muhlenberg.edu/sustainability/

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

A brief description of building signage that highlights green building features:
The New Science building has signage in entire building highlighting green building features.

The website URL for building signage that highlights green building features:
http://www.muhlenberg.edu/main/aboutus/tour/virtual/nsb.html

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

Website has description of all new initiatives Sodexo has started, each napkin dispenser has a promo of sustainability practices by Sodexo, Java Joes, GQ and Dining Commons, all have similar pamphlets of what they are doing for better practices

The website URL for food service area signage and/or brochures that include information about sustainable food systems:
http://www.muhlenberg.edu/dining/social.html

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:
Muhlenberg College has signage regarding function of landscaped rain gardens.

The website URL for signage on the grounds about sustainable grounds-keeping strategies employed:
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Does the institution have a sustainability walking map or tour?:
No

A brief description of the sustainability walking map or tour:
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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?:
No

A brief description of the guide for commuters about how to use alternative methods of transportation:
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The website URL for the guide for commuters about how to use alternative methods of transportation:
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Does the institution have a guide for green living and incorporating sustainability into the residential experience?:
Yes

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

A pamphlet has been created by students for students on tips of how to live a sustainable lifestyle on and off campus.

The website URL for the guide for green living and incorporating sustainability into the residential experience:
http://www.muhlenberg.edu/committees/greening/greenguide.pdf

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

No

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

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

---

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

Yes

A brief description of this material:

Lehigh Valley Ecology & Evolution Symposium (LVEES) provides an opportunity for sustainability publication and outreach.

The website URL for this material:

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

Yes

A brief description of this material:

Students have attended and presented posters at the AASHE conference.

The website URL for this material:
Does the institution produce another sustainability publication or outreach material not covered above? (3rd material):

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A brief description of this material:

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The website URL for this material:

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

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A brief description of this material:

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The website URL for this material:

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

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A brief description of this material:

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The website URL for this material:

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

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A brief description of this material:

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Does the institution produce another sustainability publication or outreach material not covered above? (7th material):
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A brief description of this material:
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The website URL for this material:
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Does the institution produce another sustainability publication or outreach material not covered above? (8th material):
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A brief description of this material:
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The website URL for this material:
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Student Group

Responsible Party

Kalyna Procyk
Sustainability Coordinator
Office of Campus Sustainability

Submission Note:

http://www.muhlenberg.edu/studorgs/enact/

http://www.facebook.com/groups/74250351627/

https://twitter.com/MuhlenbergEnAcT

"---" 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:

Yes Muhlenberg College has an active student organization focuses on sustainability.
EnAcT
Mission Statement: “EnAcT’s mission is to spread environmental awareness and cultivate ecological literacy while actively taking part in the ecological betterment of the campus, local, and global communities. We offer an outlet for all students to pursue activities and intellectual explorations that fall under this general scheme. Noting the present state of environmental degradation as well as the widespread ideological misunderstanding and general apathy among people, we feel our mission is of ever-increasing importance.”

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

Creation of Tree House - sustainability living housing
Watts Your Bergtricity Dorm Energy Competition
Hikes
Earth Day & speakers on campus

List other student groups that address sustainability:
Garden Group

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

http://www.youtube.com/watch?v=KDLv9WeQJZs
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:
Yes Muhlenberg College has an on campus garden where students are able to gain organic farming and/or gardening experience. The organic garden behind the “garden house” is up and running. Classes, students, and faculty are welcome to come by and learn organic gardening practices and help out the students living in the house.

The website URL where information about the garden is available:
http://www.muhlenberg.edu/main/campuslife/sustainability/initiatives.html
Model Room in a Residence Hall

Responsible Party

Kalyna Procyk
Sustainability Coordinator
Office of Campus Sustainability

This credit was marked as **Not Pursuing** so Reporting Fields will not be displayed.
Does the institution have sustainability-themed housing (residential floor or hall, or theme house) where residents learn about sustainability together and to which residents must apply?:
Yes

A brief description of the themed housing, including name(s) and descriptions of theme(s):
Yes Muhlenberg College has sustainability-themed housing (residential hall or floor, or theme house) where residents learn about sustainability together and to which residents must apply.
The College has created a MILE house for sustainable living called Garden House. The organic garden is in back of the house, and the goal of the living experience is to grow and cook organic food.
Muhlenberg also has a sustainable house to be named the “Tree House.” This house is home to students wanting to practice sustainable living.

The website URL where information about the themed housing is available:
http://bergtreehouse.wordpress.com/

The total number of residents in themed housing: 8
This credit was marked as **Not Pursuing** so Reporting Fields will not be displayed.
Does the institution hold major events related to sustainability, such as conferences, speaker series, or symposia, that have students as the intended audience?:
Yes

A brief description of the event(s):
Yes Muhlenberg College holds major events related to sustainability, such as conferences, speaker series, or symposia, which have students as the intended audience.
Host to Social Research Social Justice Conference
Speakers came to campus through the center for Ethics series this year, Ethics of Space/Power of Place. Speaker Mary Seton Corboy from Greensgrow Farms spoke of Sustainability. The series is aimed for student education.

The website URL where information about the event(s) are available:
http://www.muhlenberg.edu/main/academics/mediacom/SRSJ/
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:
Muhlenberg’s student run group, EnAcT devotes part of its programming to outdoor events. In order to spread environmental awareness, they are taking the student organized nature based trips. They now organize hikes, white water rafting trips, along with other outdoor programs that are accessible to all students on campus. There are multiple trips a semester.

The website URL where information about the program is available:
http://muhlenvironment.wordpress.com/
This credit was marked as **Not Pursuing** so Reporting Fields will not be displayed.
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.

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Sustainability Course Identification

Responsible Party

Richard Niesenbaum
Professor, Biology, Director, Sustainability Studies Program
Biology

Criteria

Part 1

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

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

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

Part 2

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

Part 3

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

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

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

A copy of the institution's definition of sustainability in the curriculum?:
Muhlenberg College 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 (committee may include students, staff, and other stakeholders as well).

Sustainability is most commonly defined as meeting the needs of the present generation without compromising the ability of future generations to meet their own needs. The field of Sustainability Studies explores and critiques ways to do this in the context of maintaining ecological and environmental health while generating economic welfare and ensuring social justice. The minor in Sustainability Studies integrates across disciplines with its goal of instilling understanding, appreciation, and thoughtful problem solving skills in students regarding the relationships and interactions of human society and the environment. The Sustainability Studies Minor will highlight issues related to sustainability and explore how those issues impact and are addressed at local, national, and global levels. This minor will provide the interdisciplinary background that is needed to understand many of the complex challenges facing our world, and will equip students with the skills needed to develop solutions to these problems. An additional goal is to build a community of faculty and students with a diversity of perspectives and areas of expertise committed to seeking creative solutions for sustainability.

Muhlenberg College has identified its sustainability-focused and sustainability-related course offerings.

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

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

Sustainability Studies is divided into four sections of curriculum.

- **Theory and Representation:** These courses primarily focus on theory including basic science and social science, the representation of nature and sustainability, and environmental ethics and history. They provide the framework and context for further work in Sustainability Studies.
- **Sustainability in Practice:** These courses have an applied focus, and offer a substantial research or service-learning component related to sustainability and the environment. Although these courses may also cover theoretical aspects, they are differentiated from the above group by providing both hands-on experiences and more focus on the application of theory and basic science.
- **Sustainable Solutions:** Either through a seminar course or independent research, students focus on a particular issue such as energy, food, or sustainable design and work towards the development of practical solutions.
- **Sustainable Communities:** These courses examine sustainability at the community level. They focus on analysis and problem solving by examining a variety of issues confronted by a particular community, and offer opportunities to work with members of that community to understand and solve problems at the human-environment interface.

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

**The website URL where the sustainability course inventory is posted:**
http://www.muhlenberg.edu/sustainability/SustainableCourses.html
Sustainability-Focused Courses

Responsible Party

Richard Niesenbaum
Professor, Biology, Director, Sustainability Studies Program
Biology

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:

This course offering list includes both day and evening classes, as well as individualized instruction courses. This list excludes internships. For all science classes only the lecture portion was counted as a class (does not count recitations or labs as additional courses and for each class with multiple sections offered it was only counted once)

Data covers the last three academic years

http://www.muhlenberg.edu/sustainability/SustainableCourses.html

The website where the sustainability course inventory is publicly available, including a list of sustainability-focused courses.

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

The number of sustainability-focused courses offered:

19

The total number of courses offered:

1,151

Number of years covered by the data:

Three

A list of sustainability-focused courses offered:

1) Concepts of Bio: Crisis Earth
2) Chemistry of the Environment
3) Environmental Communication
4) Topics in Environmental Science
5) Environmental Science I
6) Sustainable Solutions
7) Local Sustainability
8) FYS: Renewable Energy
9) Special Topics: Energy and the Environment
10) Special Topics: Pearl River Delta/China
11) FYS: Living in Nature
12) Environmental Economics
13) Special Topics: Studio/Costa Rica
14) Special Topics: Sustainability in Business
15) Special Topics: Environmental Law/Sustainability
16) Environmental and Cultural Conservation in Latin America
17) Climate Change/Sustainable Development – Bangladesh
18) FYS: Sustainability: Digging Deep
19) Latin American Environmental History

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

A copy of the sustainability course inventory:
---
Sustainability-Related Courses

Responsible Party

Richard Niesenbaum
Professor, Biology, Director, Sustainability Studies Program
Biology

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:

This course offering list includes both day and evening classes, as well as individualized instruction courses. This list excludes internships. For all science classes only the lecture portion was counted as a class (does not count recitations or labs as additional courses and for each class with multiple sections offered it was only counted once)

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

The number of sustainability-related courses offered:

19

The total number of courses offered:

1,151

Number of years covered by the data:

Three

A list of sustainability-related courses offered:

1) Drawing from Nature
2) Field Botany & Plant Ecology
3) Freshwater Ecology
4) Native American Literature
5) Environmental Philosophy
6) Environmental Sociology
7) FYS: Explorations in Nature
8) City, Fmtr, and Empire in American Literature
9) Sociology of Food
10) FYS: Ethics of Nuclear Energy
11) FYS: Organic, Local, and Fair Trade
12) Ecology
13) Environmental Politics
14) Sociology of Development
15) Cultural and Economic Botany
16) Literature and the Environment
17) Environmental History of the U.S.
18) Native American Ecology
19) FYS: Crafting a Better Tomorrow

The website URL where the sustainability course inventory that includes a list of sustainability-related courses is posted:
http://www.muhlenberg.edu/sustainability/SustainableCourses.html

A copy of the sustainability course inventory:
---
Sustainability Courses by Department

Responsible Party

Richard Niesenbaum
Professor, Biology, Director, Sustainability Studies Program
Biology

Criteria

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

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

The number of departments that offer at least one sustainability-related or -focused course:
15

The total number of departments that offer courses:
47

A list of departments that offer sustainability courses:

1) ARS – Art Studio
2) BIO – Biology
3) CHM – Chemistry
4) COM – Media and Communication
5) ENG – English
6) ESC – Environmental Science
7) PHL – Philosophy
8) SOC – Sociology
9) SUS – Sustainability
10) PSC – Political Science
11) PHY – Physics
12) HST – History
13) ECN – Economics
14) ATH – Anthropology
15) BUS – Business

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

http://www.muhlenberg.edu/sustainability/SustainableCourses.html
A copy of the sustainability course inventory:
Sustainability Learning Outcomes

Responsible Party

Richard Niesenbaum
Professor, Biology, Director, Sustainability Studies Program
Biology

Criteria

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

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

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

The number of graduates covered by the sustainability learning outcomes:
17

Total number of graduates:
524

A list of degree programs that have sustainability learning outcomes:

Muhlenberg College does have students who graduate from certain programs that include sustainability as a required learning outcome or include multiple sustainability learning outcomes. These programs include being an environmental science major and/or sustainability studies minor because in order to graduate they must take courses that will ensure sustainability as a required learning outcome.

The website URL where the publicly available sustainability course inventory that includes a list of degree programs that have specified sustainability learning outcomes is available:
http://www.muhlenberg.edu/sustainability/SustainableCourses.html

A copy of the sustainability course inventory:
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A list or sample of the sustainability learning outcomes associated with the degree programs:
http://www.muhlenberg.edu/sustainability/SustainableCourses.html

The website where the sustainability course inventory is publicly available, including a list of departments that offer sustainability courses.

http://www.muhlenberg.edu/main/academics/envisci/

The website where the environmental science course inventory is publicly available.
Undergraduate Program in Sustainability

**Responsible Party**

**Richard Niesenbaum**  
Professor, Biology, Director, Sustainability Studies Program  
Biology

**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.

**Submission Note:**

Environmental Science  
A major in environmental science provides students with many opportunities in industry, government, and academia. For example, graduates are well prepared for careers in environmental consulting, environmental regulation, advocacy, or education. Students can also pursue graduate studies in a wide range of fields, including environmental science, ecology, oceanography, forestry, law, medicine, and toxicology. A program with the School of Forestry and Environmental Studies at Duke University is available.

Students are encouraged to obtain internship experience in specialized fields of Environmental Science and/or participate in an environmentally oriented study abroad program during their junior year. Recently, students have served with local educational institutions, nonprofit organizations, state and federal government, and local industries. Others have spent time in Australia, Ecuador, Costa Rica, Canada, and other countries.

http://www.muhlenberg.edu/main/academics/envisci/

Sustainability Studies

http://www.muhlenberg.edu/main/academics/sustainability/

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

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

Yes

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

The website URL for the program (1st program):
http://www.muhlenberg.edu/main/academics/envisci/

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

The website URL for the program (2nd program):
http://www.muhlenberg.edu/main/academics/sustainability/

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

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

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

Responsible Party

Richard Niesenbaum
Professor, Biology, Director, Sustainability Studies Program
Biology

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.

This credit was marked as Not Applicable for the following reason:

Institution offers fewer than 25 distinct graduate programs.
Sustainability Immersive Experience

Responsible Party

Richard Niesenbaum
Professor, Biology, Director, Sustainability Studies Program
Biology

Criteria

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

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

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

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

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

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

Yes

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

The school offers immersive programs in Costa Rica, Bangladesh, China, and Allentown community all created with a sustainability focus.

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

http://www.muhlenberg.edu/main/academics/sustainability/
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.

This credit was marked as Not Pursuing so Reporting Fields will not be displayed.
Incentives for Developing Sustainability Courses

Responsible Party

Richard Niesenbaum
Professor, Biology, Director, Sustainability Studies Program
Biology

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.

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

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

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<tr>
<td>Interdisciplinary Research in Tenure and Promotion</td>
</tr>
</tbody>
</table>
Sustainability Research Identification

Responsible Party

Richard Niesenbaum
Professor, Biology, Director, Sustainability Studies Program
Biology

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.

Submission Note:

Muhlenberg College does make its sustainability research inventory publicly available online.

http://www.muhlenberg.edu/main/academics/envisci/research.html

http://www.muhlenberg.edu/main/academics/sustainability/faculty/

This credit was marked as Not Pursuing so Reporting Fields will not be displayed.
Faculty Engaged in Sustainability Research

Responsible Party

Richard Niesenbaum
Professor, Biology, Director, Sustainability Studies Program
Biology

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:

*This number is difficult to calculate because although faculty members are encouraged to conduct their own research, the faculty is not required to have their research approved or reported unless they desire funding to complete their research. Based on a calculation of just the full time faculty members."

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

The number of faculty members engaged in sustainability research:

7

The total number of faculty members engaged in research:

170

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://www.muhlenberg.edu/main/academics/envisci/research.html

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

Responsible Party

Richard Niesenbaum
Professor, Biology, Director, Sustainability Studies Program
Biology

Criteria

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

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

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

The total number of academic departments that conduct research:
18

The number of academic departments in which at least one faculty member engages in sustainability research:
3

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

There are a total of 18 academic departments which conduct research and there are 3 academic departments (Biology, Chemistry, and Sociology) that have at least 1 faculty member currently conducting sustainability research.

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

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

Part 1
Institution has an ongoing program to encourage students in multiple disciplines or academic programs to conduct research in sustainability. The program provides students with incentives to research sustainability. Such incentives may include, but are not limited to, fellowships, financial support, and mentorships.

Part 2
Institution has an ongoing program to encourage faculty from multiple disciplines or academic programs to conduct research in sustainability topics. The program provides faculty with incentives to research sustainability. Such incentives may include, but are not limited to, fellowships, financial support, and faculty development workshops.

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

A brief description of the institution’s program(s) to encourage student research in sustainability:
Muhlenberg College has programs to encourage student research; however, there are no programs that specifically encourage research in just sustainability studies.
Student Summer Research Collaborations
In Summer Research Collaborations, a faculty member recruits a student as a research collaborator for the summer, meaning that the student assists in a substantive way with the faculty member’s scholarship. However, the students are researching information based on the faculty member’s interests and the faculty are from various academic disciplines, but not necessarily in sustainability studies.
Summer Research Grants
Each student who is awarded a grant will receive a $2,600 stipend for eight weeks of research during the summer and one course-unit of research or independent study at no cost to the student. These Grants are open to any student, in any major, that desires to do research or independent study, it is not just for students researching sustainability. These Grants are also limited to 7 students per summer.

The website URL where information about the student research program is available:
---
Does the institution have a program to encourage faculty sustainability research that meets the criteria for this credit?:

Yes

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

The College has the Wagnoners Scholarship available in order to provide an incentive for researching.

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

---
Interdisciplinary Research in Tenure and Promotion

Responsible Party

Richard Niesenbaum
Professor, Biology, Director, Sustainability Studies Program
Biology

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:

Muhlenberg College does acknowledge interdisciplinary, trans-disciplinary, and multi-disciplinary research during faculty promotion and tenure decisions. The College does not place more emphasis on sustainability research; but rather, it encourages the faculty members to pursue research in whatever discipline they choose and will recognize all types of research that is conducted during faculty promotion and tenure decisions.

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

---
Operations

Buildings

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

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<tr>
<td>Building Design and Construction</td>
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<tr>
<td>Indoor Air Quality</td>
</tr>
</tbody>
</table>
Building Operations and Maintenance

Responsible Party

Michael Brewer
Director, Plant Operations
Plant Operations

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

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

This credit was marked as Not Pursuing so Reporting Fields will not be displayed.
Indoor Air Quality

Responsible Party

Tim Korn
Maintenance Supervisor
Plant Operations

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.

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

<table>
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<th>Credit</th>
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</tbody>
</table>
Greenhouse Gas Emissions Inventory

Responsible Party

Kalyna Procyk
Sustainability Coordinator
Office of Campus Sustainability

Criteria

Part 1

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

Part 2

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

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

Responsible Party

Kalyna Procyk
Sustainability Coordinator
Office of Campus Sustainability

Criteria

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

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

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

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

This credit was marked as Not Pursuing so Reporting Fields will not be displayed.
Air Travel Emissions

Responsible Party

Kalyna Procyk
Sustainability Coordinator
Office of Campus Sustainability

This credit was marked as Not Pursuing so Reporting Fields will not be displayed.
Local Offsets Program

Responsible Party

Kalyna Procyk
Sustainability Coordinator
Office of Campus Sustainability

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

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

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

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<th>Credit</th>
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<td>Guidelines for Franchisees</td>
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<td>Pre-Consumer Food Waste Composting</td>
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<tr>
<td>Post Consumer Food Waste Composting</td>
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<td>Food Donation</td>
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<td>Recycled Content Napkins</td>
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<td>Reusable Container Discounts</td>
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<tr>
<td>Reusable To-Go Containers</td>
</tr>
</tbody>
</table>
Food and Beverage Purchasing

Responsible Party

John Pasquerello
Muhlenberg College Dining General Manager
Dining Services

Criteria

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

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

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

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

"---" 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):

8

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

Muhlenberg College purchases food that meets one or more 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)
Grown on a farm that operates as a cooperative, has a profit sharing policy for all employees, or has a social responsibility policy covering all workers
Sodexo purchasing in ’10-’11 t
Sodexo expenditures on sustainable food:8%
8% of Sodexo’s expenditures on 08’-09’ is considered sustainable
Notes about submission
80% of all of the food we purchase is bought during the months of October through April when most local produce is out of season.
All of the milk and eggs purchased are from farms within the 150 mile radius with most coming from the following farms and dairy cooperatives:
- We are using Cage Free Eggs from Sauder
- We are no longer using Crowly Foods in Hatfield, rather we are serving Stoneyfield Organic Yogurt in the Wood Dining Commons.

- Produce Vendors:
  - Kegels Produce: Lancaster, PA
  - Ambrosi: West Deptford, NJ
  - Butter Valley Harvest Farms: Bally, PA
  - Balford Farms: Philadelphia, PA

- Local Vendors:
  - Indian Ridge Provisions: Telford, PA
  - Lehigh Valley Dairy: near Allentown, Pa
  - Rockland Bakery: Nanuet, NY
  - RC Fire Food: Belle Mend, NJ
  - BK Enterprises: Philadelphia
  - A & L Foods: Baltimore
  - Morbito Baking: Norristown, PA

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

http://www.muhlenberg.edu/dining/social.html
Trayless Dining

Responsible Party

John Pasquerello
Muhlenberg College Dining General Manager
Dining Services

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

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

A brief description of the trayless dining program:
Muhlenberg College has a trayless dining program in which trays are removed from or not available in dining halls.

List the year the program was started:
Aug. 11, 2011

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

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

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

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

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

**Responsible Party**

John Pasquerello  
Muhlenberg College Dining General Manager  
Dining Services

"---” 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:**

Muhlenberg College offers diverse, complete-protein vegan and vegetarian dining options during every meal. Currently there is a vegetarian station in the Wood Dining Commons that offers and there are many different vegan and vegetarian options throughout the Wood Dining Commons. Vegan options are available, however, there is no daily featured menu item under this category.

With the new facility and resources, a vegan station or dish can be incorporated into each meal period. The salad bar is able to hold more variety and recognize these vegan options.

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

http://www.muhlenberg.edu/dining/social.html
Trans-Fats

Responsible Party

John Pasquerello
Muhlenberg College Dining General Manager
Dining Services

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

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

Yes

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

Muhlenberg College uses frying oil that does not include trans-fats and seeks to avoid foods that include trans-fats in its dining operations. We offer thousands of Zero Trans-Fat (ZTF) food products that can be used for healthier meals. Anything made in house uses ZTF oils. In addition, we offer ZTF pre-made products as much possible. Among these are salad dressings, sauces, soups, bakery products, snacks, frozen foods, fruit, preserves and syrups, breads and dough, pasta, eggs, and potatoes, tortillas, oils and shortenings, as well as a range of others. Sodexo’s Supply Chain Management team continues to source ZTF products.
We also utilize a company called Filtafry which comes and collects the oil, brings it to a site to clean it, and then returns the oil to be reused.

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

http://www.muhlenberg.edu/dining/social.html
Guidelines for Franchisees

Responsible Party

Kalyna Procyk
Sustainability Coordinator
Office of Campus Sustainability

This credit was marked as Not Pursuing so Reporting Fields will not be displayed.
Pre-Consumer Food Waste Composting

Responsible Party
Kalyna Procyk
Sustainability Coordinator
Office of Campus Sustainability

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

Does the institution have a pre-consumer food waste composting program?:
No

A brief description of the pre-consumer food waste composting program:
Muhlenberg College does not have a formal pre-consumer food waste composting program. However, we do participate in a few programs that contribute to pre-consumer waste re-use. For example, the peels of vegetables are used to make vegetable stocks for soups. Also, the MILE houses do have a composting program with the Community Garden.

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:
0

The percentage of retail facility meals for which pre-consumer scraps are composted:
0

The percentage of conference meals for which pre-consumer scraps are composted:
0

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

Responsible Party

John Pasquerello
Muhlenberg College Dining General Manager
Dining Services

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

Responsible Party

John Pasquerello
Muhlenberg College Dining General Manager
Dining Services

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

Does the institution donate leftover or surplus food?:
No

A brief description of the food donation program:

Muhlenberg College does not donate leftover surplus food. We do donate money from student surveys. We also raised 786 pounds of food in the ’10-’11 year for the Second Harvest Food Bank. Legally, Sodexo is not able to donate leftover food because of liability issues.

The website URL where information about the food donation program is available:
---
Recycled Content Napkins

Responsible Party

John Pasquerello
Muhlenberg College Dining General Manager
Dining Services

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

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

A brief description of the purchasing behavior:
Muhlenberg College does use recycled content napkins in its dining service operations. Sodexo ensures that napkins at all locations are of recycled materials, all “bulk dispensing” napkin dispensers have been replaced with single sheet dispensers. The dispenser replacement has shown to decrease napkin usage by 25%.

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

Responsible Party
John Pasquerello
Muhlenberg College Dining General Manager
Dining Services

"---" 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:

Muhlenberg College’s campus dining operations offer discounts to customers who use reusable mugs instead of disposable cups in to-go food service operations. Discounts are offered as an incentive to use reusable bottles. At the General Quarters, all refills are only $0.99. At Java Joe’s the coffee shop on campus mug refills are $0.899, any size reusable container is accepted.

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):

Muhlenberg College’s campus dining operations do not provide reusable containers for to-go food; these containers are returned to dining operations for cleaning and re-use. Currently, Wood Dining Commons has compostable to-go boxes and silverware. We are looking into a pilot program. This program would include students putting down a deposit for the semester, and Wood Dining Commons would clean the boxes after they were returned.

The website URL where information about the reusable mug discount program is available:
---
Reusable To-Go Containers

Responsible Party

John Pasquerello
Muhlenberg College Dining General Manager
Dining Services

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

Does campus dining operations provide reusable containers for to-go food that are returned for cleaning and reuse?:
No

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

Muhlenberg College’s campus dining operations do not provide reusable containers for to-go food; these containers are returned to dining operations for cleaning and re-use. Currently, Wood Dining Commons has compostable to-go boxes and silverware. We are looking into a pilot program. This program would include students putting down a deposit for the semester, and Wood Dining Commons would clean the boxes after they were returned.

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

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

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

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<tr>
<td>Energy Management System</td>
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<tr>
<td>Energy Metering</td>
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</tbody>
</table>
Building Energy Consumption

Responsible Party

Michael Brewer
Director, Plant Operations
Plant Operations

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:
64,898 MMBtu

Building space, 2005:
1,332,388 Gross Square Feet

Total building energy consumption, performance year:
68,801 MMBtu

Building space, performance year:
1,450,922 Gross Square Feet

List the start and end dates of the energy consumption performance year:
July 1, 2010 - June 30, 2011
Clean and Renewable Energy

Responsible Party

Michael Brewer
Director, Plant Operations
Plant Operations

Criteria

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

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

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

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

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

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

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

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

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

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

1 kWh = 0.003412 MMBtu

1 MWh = 3.412 MMBtu

1 therm = 0.1 MMBtu
1 kBtu = 0.001 MMBtu

1 ton-hour = 0.012 MMBtu

1 MJ = 0.000948 MMBTU

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

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

Option 2: Non-electric renewable energy generated:
0 MMBtu

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

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

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

Total energy consumed during the performance year:
68,801 MMBtu

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

Muhlenberg College has 2 solar PV panels on the roof of the student union.

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

---

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

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

---

A brief description of cogeneration technologies deployed:

---

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

http://www.muhlenberg.edu/main/academics/physics/research/solar_scholars.html
Timers for Temperature Control

Responsible Party

Michael Brewer
Director, Plant Operations
Plant Operations

"---” 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:
The New Science, Trumbower, Shankweiler, Seegers, Trexler Pavillion and Moyer buildings all work under the Niagara/Tridium Building Automation System. Set back temperatures are scheduled through the Tridium BAS based on building occupancy.
Life Sports Center operates under Johnson M3 Building Automation System. Set back temperatures are scheduled through the M3 BAS based on building occupancy.
The Trexler Library operates under Johnson Metasys Building Automation System. Set back temperatures are scheduled through the Metasys BAS based on building occupancy.
Ettinger and Haas buildings operate under Andover Building Automation System. Set back temperatures are scheduled through the Andover BAS based on building occupancy.
As of March 2012 all major buildings utilize timer technology.

The percentage of building space (square footage) with timers for temperature control:
100

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

Responsible Party

Michael Brewer
Director, Plant Operations
Plant Operations

"---" 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:
Muhlenberg College uses motion, infrared, and/or light sensors to reduce energy use for lighting in at least one building. We are using motion occupancy sensors for lighting in the restrooms of Ettinger, Moyer, Haas, Trumbower and New Science. The New Science building has a programmable lighting control system that enables us to schedule lighting shut downs. All exterior lighting is on Photocell technology. March 2012, all major buildings have lighting sensors in at least one room.

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

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

Responsible Party

Michael Brewer
Director, Plant Operations
Plant Operations

"--- 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:

Muhlenberg College uses 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.)
LED lighting is only being used in fire extinguisher cabinets
March 2012, LED lighting has been installed in the newly built “light lounge” in Seegers Union and LED theatrical lighting instruments are utilized by the Department of Theatre and Dance. LED lighting is being used for three test lamp posts and lighting in the Hillel/ Sociology/ Anthropology building dining room and classroom.

The percentage of building space with LED lighting:

---

The percentage of parking deck space with LED lighting:

---

The percentage of outdoor space that uses LED lighting:

---

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

---

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

---
Vending Machine Sensors

Responsible Party

Michael Brewer
Director, Plant Operations
Plant Operations

"---" 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:
At least one machine on campus has a sensor to cycle the refrigeration compressor on and off.

The percentage of vending machines with sensors:
---

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

Responsible Party

Michael Brewer
Director, Plant Operations
Plant Operations

"---” 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:

Muhlenberg College does not use a centralized energy management system that allows the College to track energy consumption and performance in multiple buildings in a central location.
We are using a few different management systems on campus such as Johnson Metasys, M3, Tridium, E-Mon, and Andover. The systems allow us to operate equipment, schedule setbacks and trend data. We are working toward utilizing 1 BAS overlay that will bring all of these systems under one data-base.
As of March 2012 Muhlenberg has installed a centralized system to monitor a variety of buildings. Legacy systems are still used as well. The new rehearsal house is tied into this central system.

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:

---
Energy Metering

Responsible Party

Michael Brewer
Director, Plant Operations
Plant Operations

"---" 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:

Muhlenberg College meters all energy consumption (including electricity, natural gas, purchased steam) for at least one building.
We have separate oil and gas metering on the main 600HP and 300 HP boilers
We have separate gas meters on each of the two boilers in Seegers union
We have 4 separate gas meters on the following systems in the Trexler Pavilion, Domestic Hot Water, Rooftop Unit heaters, Hydronic heat and the snow melt systems
We have E-mon Demon electrical Meters in 26 of the following buildings to monitor electrical usage. Village 1-5, C/A, Prosser, Trexler Pavilion, New Science, Trumbower, Shankweiler, Seegers, Library, Life Sports, Memorial Hall, Walson, Haas, Ettinger, Martin Luther, East Hall, Brown hall, South Hall, Brown Hall, Benfer, Taylor and 2210 Chew.
March 2012, all major buildings including residence halls are metered for energy consumption

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.

<table>
<thead>
<tr>
<th>Credit</th>
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<tbody>
<tr>
<td>Integrated Pest Management</td>
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<tr>
<td>Native Plants</td>
</tr>
<tr>
<td>Wildlife Habitat</td>
</tr>
<tr>
<td>Tree Campus USA</td>
</tr>
<tr>
<td>Snow and Ice Removal</td>
</tr>
<tr>
<td>Landscape Waste Composting</td>
</tr>
</tbody>
</table>
Integrated Pest Management

Responsible Party

Michael Brewer
Director, Plant Operations
Plant Operations

Criteria

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

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

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

The size of the campus grounds:
184 Acres

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

A brief description of the IPM plan(s):

Campus size 184 acres - Lee and Virginia Graver Arboretum (64 acres)
- Conrad W. Raker Biological Field Station and Wildlife Sanctuary (38 acres)
- Main campus and land surrounding MILE Houses (82 acres).
- The school hires outside pest control companies to take care of complaints as needed
- Monthly program for pest control at Seeger’s Union through Ehrlich Pest Control. Ehrlich provides pest control using an Integrated Pest Management Plan.

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

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

A brief description of the native plant program, policy, or practice:
Muhlenberg College prioritizes use of native plant species in landscaping. Preference is given to drought resistant native species coinciding with new construction. Lindera spice bush, is a recent example the campus has utilized.

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

Responsible Party

Richard Niesenbaum
Professor, Biology, Director, Sustainability Studies Program
Biology

"---" 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:

Muhlenberg College has programs in place to protect and/or create wildlife habitat on institution-owned land. The Conrad W. Raker Biological Field Station and Wildlife Sanctuary, a 40-acre wooded tract situated 15 miles north of the campus, in Germansville, PA, is used by biology classes for field study. A section of Jordan Creek within the preserve provides added opportunity for aquatic biology studies. Students and staff also conduct research on varied aspects of plant and animal biology. The Lee and Virginia Graver Arboretum of Muhlenberg College, located in Bushkill Township, north of Bath, Pennsylvania, is used as an outdoor classroom by the biology and other science departments.

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

Richard Niesenbaum
Professor, Biology, Director, Sustainability Studies Program
Biology

This credit was marked as Not Pursuing so Reporting Fields will not be displayed.
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:
Muhlenberg College implements technologies or strategies to reduce the environmental impacts of snow and ice removal. Some of the alternatives that are used include Safe Step, calcium, magnesium chloride, and an overall cut down on the amount of rock salt used. Muhlenberg College does not have a snow and ice removal program, policy, or practice.

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

Responsible Party

Jeffrey Demko
Grounds Supervisor
Plant Operations

Submission Note:

100% grass clippings on site.
80% of leaves are mulched on site.
50% of limbs wood is chipped on site and used.
50% of wood, shrub clippings, and some leaves is sent off site for composting.

"---" 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:

Muhlenberg College composts or mulches waste from grounds keeping, including grass trimmings. We use special mulching blades on the mowers to mulch the grass. “We never pick up grass clippings. All grounds keeping waste is put into a special dumpster for recycling, that dumpster is transported by our trash hauler to the Lehigh County Recycling center to be turned into top dressing, mulch, and topsoil.”

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

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

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

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

<table>
<thead>
<tr>
<th>Credit</th>
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<tr>
<td>Computer Purchasing</td>
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<td>Cleaning Products Purchasing</td>
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<td>Office Paper Purchasing</td>
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<tr>
<td>Vendor Code of Conduct</td>
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<tr>
<td>Historically Underutilized Businesses</td>
</tr>
<tr>
<td>Local Businesses</td>
</tr>
</tbody>
</table>
Computer Purchasing

Responsible Party

Doyle Smith
Operations Manager
Information Technology

Criteria

Part 1

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

Part 2

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

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

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

Yes

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

http://www.muhlenberg.edu/main/aboutus/oit/technology/green_oit.html

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

Muhlenberg College has an institution-wide stated preference to purchase Electronic Product Environmental Assessment Tool (EPEAT) Silver or higher products. OIT is responsible for all computer purchases on campus. Both the EPEAT and ENERGY STAR rating is part of our computer selection. Hewlett Packard and Apple are the campus vendors of choice. The majority of both company’s products are GOLD rated. This should ensure that future purchases are GOLD star rated.
Does the institution wish to pursue points for Part 2 of this credit (expenditures on EPEAT computers)?: Yes

Expenditures on EPEAT Gold desktop and laptop computers and monitors:
347,000 US/Canadian $

Expenditures on EPEAT Silver desktop and laptop computers and monitors:
0 US/Canadian $

Total expenditures on desktop and laptop computers and monitors:
471,583 US/Canadian $
Cleaning Products Purchasing

Responsible Party

Joseph Spirko
Custodial Supervisor
Plant Operations

Criteria

Part 1

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

Part 2

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

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

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

The website URL where the green cleaning product purchasing policy, directive, or guidelines are posted:
http://www.muhlenberg.edu/main/aboutus/plantops/

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

Housekeeping division of Plant Operations is committed to maintaining a high standard of cleanliness through Green Cleaning Practices. We will accomplish this level of commitment by incorporating Green Seal Certified chemicals, as well as, certified equipment that meet CRI Green Label standards. We are determined to provide healthy high performance cleaning and a more productive indoor environment with fewer burdens to our natural resources. In essence, this will provide products that effectively clean and are environmentally friendly to the working environment.

Does the institution wish to pursue points for Part 2 of this credit (expenditures on cleaning products)?: Yes
Expenditures on Green Seal and/or EcoLogo certified cleaning products:
114,114 US/Canadian $

Total expenditures on cleaning products:
184,056 US/Canadian $

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

Responsible Party

Elizabeth Lees
Director of Purchasing
Purchasing

Criteria

Part 1

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

Part 2

Institution purchases recycled content office paper.

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

Does the institution have an institution-wide stated preference to purchase recycled content office paper?:
No

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

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

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

Expenditures on 10-29 percent recycled-content office paper :
25,000 US/Canadian $

Expenditures on 30-49 percent recycled-content office paper :
10,000 US/Canadian $
Expenditures on 50-69 percent recycled-content office paper:
0 US/Canadian $

Expenditures on 70-89 percent recycled-content office paper (required if claiming points for Part 2):
0 US/Canadian $

Expenditures on 90-100 percent recycled-content office paper:
0 US/Canadian $

Total expenditures on office paper:
75,000 US/Canadian $
Vendor Code of Conduct

Responsible Party

Elizabeth Lees
Director of Purchasing
Purchasing

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.

This credit was marked as Not Pursuing so Reporting Fields will not be displayed.
Historically Underutilized Businesses

Responsible Party

Elizabeth Lees
Director of Purchasing
Purchasing

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

Responsible Party
Elizabeth Lees
Director of Purchasing
Purchasing

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

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

A brief description of the program:
Muhlenberg College does give preference to local products and businesses in its purchasing decisions. When purchasing products Muhlenberg looks at all the options available to the institution. Preference is given to local and nearby businesses when their products are comparable to their competitors that may be farther away.

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

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

Responsible Party

Jeffrey Demko
Grounds Supervisor
Plant Operations

Criteria

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

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

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

Submission Note:

<table>
<thead>
<tr>
<th>Gasoline-electric, non-plug-in hybrid vehicles in Muhlenberg’s fleet</th>
<th>1 Honda Civic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diesel-electric, non-plug-in hybrid vehicles in Muhlenberg’s fleet</td>
<td>0 vehicles</td>
</tr>
<tr>
<td>Plug-in hybrid vehicles in Muhlenberg’s fleet</td>
<td>0 vehicles</td>
</tr>
<tr>
<td>100% electric vehicles in Muhlenberg’s fleet</td>
<td>13 golf carts</td>
</tr>
<tr>
<td>Hydrogen fueled vehicles in Muhlenberg’s fleet</td>
<td>0 vehicles</td>
</tr>
<tr>
<td>Vehicles in Muhlenberg’s fleet that are fueled with B20 or higher bio-fuel for more than 6 months of the year</td>
<td>0 vehicles</td>
</tr>
<tr>
<td>Vehicles in Muhlenberg’s fleet that are fueled with E85 or higher ethanol for more than 6 months of the year</td>
<td>0 vehicles</td>
</tr>
<tr>
<td>Total number of vehicles in Muhlenberg’s fleet, including all of the above</td>
<td>45 vehicles</td>
</tr>
</tbody>
</table>
Gasoline-electric, non-plug-in hybrid vehicles in the institution’s fleet:
1

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:
13

Vehicles in the institution's fleet that are fueled with Compressed Natural Gas (CNG):
0

Hydrogen fueled vehicles in the institution’s fleet:
0

Vehicles in the institution’s fleet that are fueled with B20 or higher biofuel for more than 6 months of the year:
0

Vehicles in the institution’s fleet that are fueled with E85 or higher ethanol for more than 6 months of the year:
0

Total number of vehicles in the institution’s fleet, including all of the above:
45
Student Commute Modal Split

Responsible Party
Stephen Goosley
Transportation/Shuttle Coordinator
Plant Operations

Criteria

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

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

The percentage (0-100) of institution's students who use more sustainable commuting options:
95

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:
5

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 :
95

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:
---
Employee Commute Modal Split

Responsible Party

Stephen Goosley
Transportation/Shuttle Coordinator
Plant Operations

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:

Muhlenberg College has not calculated the employees (faculty, staff, and administrators) that get to and from campus by a means other than single occupancy vehicle for the majority of their daily trips.

This credit was marked as Not Pursuing so Reporting Fields will not be displayed.
### Bicycle Sharing

---

**Responsible Party**

Kalyna Procyk  
Sustainability Coordinator  
Office of Campus 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.):**

Muhlenberg College does have a bicycle-sharing program and participates in a local bicycle-sharing program. 2010 - yes

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

---
Facilities for Bicyclists

Responsible Party

Kalyna Procyk
Sustainability Coordinator
Office of Campus 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:

Muhlenberg College does have indoor and secure bike storage, shower facilities, and lockers for bicycle commuters in at least one building.

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

---
Bicycle and Pedestrian Plan

Responsible Party

Kalyna Procyk
Sustainability Coordinator
Office of Campus Sustainability

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

Has the institution developed a bicycle plan?:
Yes

A brief description of the plan:

Muhlenberg College has developed a bicycle plan

The website URL where information about the plan is available:
---
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):
Muhlenberg College does operate a free campus shuttle.

The website URL where information about the program is available:
---
Condensed Work Week

Responsible Party

Anne Speck
Vice President of Human Resources
Human Resources

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

Responsible Party

Anne Speck
Vice President of Human Resources
Human Resources

This credit was marked as Not Pursuing so Reporting Fields will not be displayed.
Carpool/Vanpool Matching

Responsible Party

Stephen Goosley
Transportation/Shuttle Coordinator
Plant Operations

Submission Note:

Carpool match located on internal Muhlenberg College webpage.

"---" 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:

Muhlenberg College does have a carpool matching program. A rideshare board is posted on the Muhlenberg website that allows the community to post needed rides, or rides people are going on should anyone else be headed in the direction.

The website URL where information about the program is available:

---
Cash-out of Parking

Responsible Party

Kalyna Procyk
Sustainability Coordinator
Office of Campus Sustainability

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

Responsible Party
Kalyna Procyk
Sustainability Coordinator
Office of Campus Sustainability

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

Responsible Party

Aaron Bova
Senior Associate Director
Housing Services

Submission Note:

Will have an incentive announced Spring 2013

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

Responsible Party

Brooks Boyer
Police Officer
Campus Safety & Security

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

Has the institution adopted a policy prohibiting idling?:
Yes

A brief description of the policy:
Yes Muhlenberg College has adopted a policy prohibiting idling.
Muhlenberg College has signs posted in parking lots and loading areas prohibiting the use of idling for vehicles 5 tons and over.

The website URL where information about the policy is available:
---
Car Sharing

Responsible Party

Brenda Lakis
Lieutenant
Campus Safety & Security

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

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

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</table>
Waste Reduction

Responsible Party

Jim Bolton
Assistant Director
Plant Operations

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.

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

Responsible Party

Jim Bolton
Assistant Director
Plant Operations

Criteria

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

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

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

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

211.74 Tons

Materials disposed in a solid waste landfill or incinerator:

590.31 Tons

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

Muhlenberg College promotes recycling and conservation measures. Additionally, waste is diverted through grounds waste composting, requiring recycling of construction waste and reusing campus materials.
Construction and Demolition Waste Diversion

Responsible Party

David Rabold
Capital Projects Manager
Planning

Criteria

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

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

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

Amount of construction and demolition materials recycled, donated, or otherwise recovered:
737,600 Tons

Amount of construction and demolition materials landfilled or incinerated:
230,008 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:

Muhlenberg strives to recycling or reuse as much construction waste as possible.
Electronic Waste Recycling Program

Responsible Party

Doyle Smith
Operations Manager
Information Technology

Criteria

Part 1

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

Part 2

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

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

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

Yes

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

No

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

Muhlenberg does have a program in place to recycle or reuse equipment for institutional equipment. Currently 85%/90% of our discarded computer equipment gets handed out to community groups or organizations. No program in place for student electronic waste

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

Muhlenberg does have a program in place to recycle or reuse equipment for institutional equipment. Currently 85%/90% of our discarded computer equipment gets handed out to community groups or organizations. No program in place for student electronic waste
A brief description of the electronic waste recycling program for student-generated materials:

n/a

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

http://www.muhlenberg.edu/main/aboutus/oit/technology/green_oit.html
Hazardous Waste Management

Responsible Party

Tom Dougherty
Assistant Chief Campus Safety & Security
Campus Safety & Security

Criteria

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

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

Does the institution have strategies in place to safely dispose of all hazardous, special (e.g. coal ash), universal, and non-regulated chemical waste and seek to minimize the presence of these materials on campus?:
Yes

A brief description of steps taken to reduce hazardous, special (e.g. coal ash), universal, and non-regulated chemical waste:
We use low mercury fluorescent lamps and zero mercury batteries.

A brief description of how the institution safely disposes of hazardous, universal, and non-regulated chemical waste:
All batteries, lamps, and ballasts through a local reputable company AERC.
Clean Harbors picks up the hazardous waste (i.e. chemical waste from Biology and Chem Department, fixer waste from Art department, latex paint from Theater, and occasionally there is additional waste from another department).

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

Responsible Party
Kalyna Procyk
Sustainability Coordinator
Office of Campus Sustainability

"---” 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:
Muhlenberg College does have a surplus department or formal office supplies exchange program that facilitates the reuse of materials through Purchasing and Plant Operations.

The website URL where information about the program is available:
---
Limiting Printing

Responsible Party

Kalyna Procyk
Sustainability Coordinator
Office of Campus Sustainability

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

Kalyna Procyk
Sustainability Coordinator
Office of Campus Sustainability

This credit was marked as **Not Pursuing** so Reporting Fields will not be displayed.
Has the institution implemented a campus-wide inventory system to facilitate the reuse of laboratory chemicals?:
Yes

A brief description of the program:
Muhlenberg College has implemented a campus-wide inventory system to facilitate the reuse of laboratory chemicals.
All products used or created in any lab are stored for utilization in future labs.

The website URL where information about the practice is available:
---
Move-In Waste Reduction

Responsible Party

Kalyna Procyk
Sustainability Coordinator
Office of Campus Sustainability

"---” 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:

Muhlenberg College does have a program to reduce residence hall move-in waste
Green Team dorm storms on move in day for freshman collecting cardboard and recyclables, educating the new residents of the recycling program here at Muhlenberg, while teaching them where to recycle and how

The website URL where information about the program is available:
---
Move-Out Waste Reduction

Responsible Party

Kalyna Procyk
Sustainability Coordinator
Office of Campus Sustainability

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

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

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Water Consumption

Responsible Party

Michael Brewer
Director, Plant Operations
Plant Operations

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.

Water consumption, 2005 baseline year:
34,773,330 Gallons

Water consumption, performance year:
36,562,100 Gallons

List the start and end dates of the water consumption performance year:
2010-11

On-campus residents, 2005:
2,067

Non-residential/commuter full-time students, faculty, and staff members, 2005:
444

Non-residential/commuter part-time students, faculty, and staff members, 2005:
420

On-campus residents, performance year:
2,225

Non-residential/commuter full-time students, faculty, and staff members, performance year:
484

Non-residential/commuter part-time students, faculty, and staff members, performance year:
Time period for weighted campus user (list the consecutive 12 month period that most closely overlaps with water consumption performance year):
July 1, 2010 - June 30, 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:
Muhlenberg is working to reduce water consumption on campus and in new building projects

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

**Responsible Party**

**David Rabold**  
Capital Projects Manager  
Planning

**Criteria**

**Part 1**

Institution has adopted a stormwater management policy, plan, and/or strategies that mitigate the stormwater runoff impacts of new construction, major renovation, and other projects that increase paved surface area on campus or otherwise significantly change the campus grounds.

The policy, plan, and/or strategies address both the quantity and quality (or contamination level) of stormwater runoff.

The policy, plan, and/or strategies cover the entire campus. While the specific strategies or practices adopted may vary depending on project type and location, this credit is reserved for institutions that mitigate stormwater runoff impacts consistently during new construction. Implementing a strategy or strategies for only one new development project is not sufficient for this credit.

Policies adopted by entities of which the institution is part (e.g. state government or the university system) may count for this credit as long as the policies apply to and are followed by the institution.

**Part 2**

Institution has adopted a stormwater management policy, plan, or strategies that mitigate the stormwater runoff impacts of ongoing campus operations.

The policy, plan, or strategies address both the quantity and quality (or contamination level) of stormwater runoff.

Though specific practices adopted may vary across the campus, the policy, plan, and/or strategies cover the entire institution. Implementing strategies for only one building or area of campus is not sufficient for this credit.

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

**Does the institution have a policy, plan, and/or strategies to reduce stormwater runoff from new development projects?** : Yes

**Does the institution have a policy, plan, and/or strategies to reduce stormwater runoff from ongoing campus operations?** : Yes
A brief description of the institution's stormwater management initiatives:

All new construction, major renovations and other project that increase hard surfaces have to have an approved (City, County and State DEP) storm water management plan. The policy, plan, and/or strategies address both the quantity and quality (or contamination level) of storm water 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 storm water runoff impacts consistently during new construction.

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

---

Does the institution have a living or vegetated roof?:

Yes

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

The Green Roof is located on the roof of the Wood Dining Commons.

---

Does the institution have porous paving?:

No

A brief description of the institution's porous paving:

---

Does the institution have retention ponds?:

No

A brief description of the institution's retention ponds:

Due to the campus being located atop pinnacled limestone with sinkhole potential, no retention or groundwater recharge ponds are utilized.

---

Does the institution have stone swales?:

No

A brief description of the institution's stone swales:
Only vegetated swales are utilized on the campus to reduce groundwater velocity and improve water quality.

Does the institution have vegetated swales?:
Yes

A brief description of the institution's vegetated swales:
A mixture of no-mow grasses and fescues are utilized for the campus vegetated swales

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

A brief description of other technologies or strategies for stormwater management employed:
Underground detention systems, coupled with flow reduction orifices are used to reduce storm water discharge velocity and stream flooding. An active detention pond with a sump pump recirculating system is utilized to provide ground water re-charge at the southern edge of the campus. Green roof on portion of student union improves water quality and increases water retention.
Waterless Urinals

Responsible Party

Michael Brewer
Director, Plant Operations
Plant Operations

"---" 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:

Yes Muhlenberg College uses at least one waterless urinal. Muhlenberg uses a number of Sloan valve touch less urinals. These units each save an average of 40,000 gallons of water by being waterless and touch free.

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

Responsible Party

Michael Brewer
Director, Plant Operations
Plant Operations

"---" 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:
Yes. All of our MILE properties are separately metered amounting to 81 buildings.

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

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

Responsible Party

Michael Brewer
Director, Plant Operations
Plant Operations

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

Responsible Party

Michael Brewer
Director, Plant Operations
Plant Operations

"---" 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:

Muhlenberg College does use xeriscape-landscaping techniques, including the selection of drought tolerant plants. Muhlenberg College gives preference native drought resistant plant species to reduce the necessity to irrigate.

The website URL where information about the program or practice is available:
---
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:
Muhlenberg College does use weather data or weather sensors to automatically adjust irrigation practices. Weather data is used to determine whether rain is in the forecast. Plant Operations will adjust the automatic watering systems to adjust so that they do not go off if it is suppose to rain.

The website URL where information about the practice is available:
---
Coordination and Planning

This subcategory seeks to recognize colleges and universities that are institutionalizing sustainability by dedicating resources to sustainability coordination, incorporating sustainability into their primary campus plans, and developing plans to move towards sustainability. Staff and other resources help an institution organize, implement, and publicize sustainability initiatives. These resources provide the infrastructure that fosters sustainability within an institution. Strategic and physical campus plans guide an institution and its physical development. These important documents establish an institution’s priorities and influence budgeting and decision making. Incorporating sustainability into these plans is an important step in making sustainability a campus priority and may help advocates implement sustainable changes. Sustainability plans and climate plans provide a road map for how to achieve sustainability goals.

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</table>
**Sustainability Coordination**

---

**Responsible Party**

**Kalyna Procyk**  
Sustainability Coordinator  
Office of Campus Sustainability

---

**Criteria**

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

The committee, office, and/or coordinator focus on sustainability broadly (i.e. not just one sustainability issue, such as climate change) and cover the entire institution. A committee, office, or coordinator that focuses on just one department or school within the institution does not count for this credit.

---

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

---

**Does the institution have a sustainability committee?:**  
Yes

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

Yes Muhlenberg College has a sustainability committee.  
The Greening Committee is composed of faculty, staff, and student representatives and was initiated by President Helm in 2003 to examine, propose, and monitor recycling efforts, reductions in the campus waste stream and other sustainable practices.  
Muhlenberg College does have a sustainability office  
The sustainability office is located in the New Science Building on Muhlenberg’s Campus. The office is utilized to help spread awareness on campus, and focuses on implementing greening initiatives on campus to reduce the impacts the college has on the environment.

---

**Members of the committee, including affiliations:**

Kalyna Procyk, Sustainability Coordinator  
Kent Dyer, Co-Chair Greening Committee, Chief Business Officer and Treasurer  
Richard Niesenbaum, Co-Chair Greening Committee, Biology Faculty, Sustainability Studies Director  
Jordanna Sprayberry, Biology Faculty  
David Rabold, Capital Projects Manager  
Jim Bolton, Assistant Director Plant Operations  
John Pasquarello, General Manager Muhlenberg Dining Services  
Evan Rehrig, Marketing Manager Muhlenberg Dining Services  
Nicole Cammisa, Intern Muhlenberg Dining Services  
Aaron Bova, Associate Director Housing Services
The website URL where information about the sustainability committee is available:

Does the institution have a sustainability office?:
Yes

A brief description of the sustainability office:
The office is utilized to help spread awareness on campus, and focuses on implementing greening initiatives on campus to reduce the impacts the college has on the environment.

The number of people employed in the sustainability office:
2

The website URL where information about the sustainability office is available:
http://www.muhlenberg.edu/main/campuslife/sustainability/

Does the institution have a sustainability coordinator?:
Yes

Sustainability coordinator's name:
Kalyna Procyk

Sustainability coordinator's position title:
Sustainability Coordinator

A brief description of the sustainability coordinator’s position:
The sustainability coordinator is the co-staffer of the sustainability office. The coordinator’s position is to help coordinate greening initiatives on campus, as well as sustainable aspects of the college.

The website URL where information about the sustainability coordinator is available:
http://www.muhlenberg.edu/main/campuslife/sustainability/staff.html
Strategic Plan

Responsible Party

Kalyna Procyk
Sustainability Coordinator
Office of Campus Sustainability

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:
2,010

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:
There is an entire section dealing with sustainability improvements to the campus.

Does the institution's strategic plan or equivalent guiding document include the social dimensions of sustainability at a high level?:
No

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

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

No

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

The website URL where information about the strategic plan is available:
---
Physical Campus Plan

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.

This credit was marked as Not Applicable for the following reason:

*Institution does not have a physical campus plan or plans.*
Sustainability Plan

Responsible Party

Kalyna Procyk
Sustainability Coordinator
Office of Campus Sustainability

Criteria

Institution has a sustainability plan that was developed with input from faculty, staff, and students. The plan includes measurable goals with corresponding strategies and timeframes to achieve the goals. The plan need not be formally adopted.

The plan covers multiple sustainability topics and issues. Plans focused exclusively on climate change, which are covered by PAE Credit 5: Climate Plan, are not eligible for this credit.

Strategic or master plans that cover sustainability may count for this credit if they meet the other criteria outlined above.

This credit was marked as Not Pursuing so Reporting Fields will not be displayed.
Climate Action Plan

---

Responsible Party

Kalyna Procyk  
Sustainability Coordinator  
Office of Campus Sustainability

---

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.

This credit was marked as Not Pursuing so Reporting Fields will not be displayed.
Diversity and Affordability

This subcategory seeks to recognize institutions that are working to advance diversity and affordability on campus. In order to build a sustainable society, diverse groups will need to be able to come together and work collaboratively to address sustainability challenges. People of color and low-income communities tend to suffer disproportionate exposure to environmental problems. This environmental injustice happens as a result of unequal and segregated communities. To achieve environmental and social justice, society must work to address discrimination and promote equality. The historical legacy and persistence of discrimination based on racial, gender, religious, and other differences makes a proactive approach to promoting a culture of inclusiveness an important component of creating an equitable society. Higher education opens doors to opportunities that can help create a more equitable world, and those doors must be open through affordable programs accessible to all regardless of race, gender, religion, socio-economic status and other differences. In addition, a diverse student body, faculty, and staff provide rich resources for learning and collaboration.

Credit

Diversity and Equity Coordination
Measuring Campus Diversity Culture
Support Programs for Underrepresented Groups
Support Programs for Future Faculty
Affordability and Access Programs
Gender Neutral Housing
Employee Training Opportunities
Student Training Opportunities
Diversity and Equity Coordination

Responsible Party

Robin Riley-Casey
Director of Multicultural Life
Student Life

Criteria

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

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

Does the institution have a diversity and equity committee?:

Yes

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

The mission statement is: to serve as a campus wide resource that facilitates and promotes a learning community of multicultural understanding and exchange through collaboration, dialogue, and action.

Muhlenberg College sees it as our Multicultural Advisory Board that is made up of students, faculty, staff, parents, alumni and friends.

Members of the committee, including job titles and affiliations:

The membership and breadth of this committee and under review.

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

---

Does the institution have a diversity and equity office?:

Yes

A brief description of the diversity office:

Yes, Muhlenberg College has a diversity and equity office

Muhlenberg College’s diversity and equity office is our Multicultural Center which is the on the first floor of a campus-owned house at the corner of West Chew Street and North 23rd Street. The Center is open to all students on campus and aims to provide a focus for educational, cultural and social programming that will enrich and challenge Muhlenberg’s campus on issues of multiculturalism and
The number of people employed in the diversity office:
2

The website URL where information about the diversity and equity office is available:
http://www.muhlenberg.edu/main/campuslife/multicultural/

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

Diversity coordinator’s name:
Robin Riley-Casey

Diversity coordinator's position title:
Director of Multicultural Life

A brief description of the diversity coordinator's position:
The director of the multicultural life is to serve as a campus wide resource that facilitates and promotes a learning community of multicultural understanding and exchange through collaboration, dialogue, and action.

The website URL where information about the diversity and equity coordinator is available:
http://www.muhlenberg.edu/main/campuslife/multicultural/
Measuring Campus Diversity Culture

Responsible Party

Robin Riley-Casey
Director of Multicultural Life
Student Life

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.

Has the institution assessed attitudes about diversity and equity on campus in a way that meets the criteria for this credit?:

Yes

A brief description of the assessment(s):

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

Year the assessment was last administered:

2,011

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

The results are being used to centralize and overhaul our diversity initiatives to realize measurable change. This endevor is taking place presently by the President's directive.

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

---
Support Programs for Underrepresented Groups

Responsible Party

Robin Riley-Casey
Director of Multicultural Life
Student Life

Criteria

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

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

Does the institution have mentoring, counseling, peer support, affinity groups, academic support programs, or other programs in place to support underrepresented groups on campus?: Yes

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

Muhlenberg College has mentoring, counseling, peer support, affinity groups, academic support programs, or other programs in place to support under-represented groups on campus.

Muhlenberg College has student organizations on campus such as BSA (Black Students Association), Comunidad Latina, SQuAD (Students for Queer Advocacy), ISA, Feminist Collective, Gospel Choir and Theta Nu Xi. These organizations celebrate and share heritage months as well as tackling issues such as homophobia and racism and bringing awareness of these issues on campus.

The Academic Resource center provides many avenues of support for under-represented populations of students, including students-of-color. We have Peer Tutors who tutor students in small groups or individually. Additionally, Muhlenberg College offers workshops each year in high-risk, gateway classes, and we provide First-Year Transition Workshops for incoming students. The three main workshops available to students are: Time Management/Organization, Memory/Test Preparation, and Textbook Reading/Notetaking.

In addition, there is a diversity mentor program available through the Multicultural Center. This program is a specific mentor program for any student that is considered a student of diversity at Muhlenberg College. If they want, they may have a mentor provided for them who would help them transmission into life at Muhlenberg.

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

All Lehigh Valley Association of Independent Colleges (LVAIC) programs are open to faculty, students, and staff on campus. These programs work with the LVAIC consortium which consists of Cedar Crest, Lehigh, DeSales, Moravian, Lafayette, and Muhlenberg.
These programs offer an avenue for faculty and staff to further their education in specific to women’s studies as well as multicultural affairs programs.

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

All Lehigh Valley Association of Independent Colleges (LVAIC) programs are open to faculty, students, and staff on campus. These programs work with the LVAIC consortium which consists of Cedar Crest, Lehigh, DeSales, Moravian, Lafayette, and Muhlenberg. These programs offer an avenue for faculty and staff to further their education in specific to women’s studies as well as multicultural affairs programs.

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

---
Support Programs for Future Faculty

Responsible Party

Robin Riley-Casey
Director of Multicultural Life
Student Life

Criteria

Institution administers and/or participates in a program or programs to help build a diverse faculty throughout higher education.

Such programs could take any of the following forms:

- Teaching fellowships or other programs to support terminal degree students from underrepresented groups in gaining teaching experience. (The terminal degree students may be enrolled at another institution).
- Mentoring, financial, and/or other support programs to prepare and encourage undergraduate or other non-terminal degree students to pursue further education and careers as faculty members.
- Mentoring, financial, and/or other support programs for doctoral and post-doctoral students from underrepresented groups.

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

Does the institution administer and/or participate in programs that meet the criteria for this credit?:

Yes

A brief description of the institution’s programs that help increase the diversity of higher education faculty :

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 under-represented 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 students from underrepresented groups. Now participates in Consortium for Faculty Diversity

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

---
Affordability and Access Programs

Responsible Party

Robin Riley-Casey
Director of Multicultural Life
Student Life

Criteria

Institution has policies and programs in place to make it accessible and affordable to low-income students. Such policies and programs may include, but are not limited to, the following:

- Policies and programs to minimize the cost of attendance for low-income students
- Programs to equip the institution’s faculty and staff to better serve students from low-income backgrounds
- Programs to prepare students from low-income backgrounds for higher education such as the federal TRIO programs
- Scholarships for low-income students
- Programs to guide parents of low-income students through the higher education experience
- Targeted outreach to recruit students from low-income backgrounds
- Other admissions policies or programs
- Other financial aid policies or programs

Institutions are not required to have programs or policies in each of the above areas in order to earn this credit. They may pursue the policies and programs that are appropriate for their context.

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

Does the institution have policies and programs in place to make it accessible and affordable to low-income students?:

Yes

A brief description of the institution’s participation in federal TRIO programs:

---

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

Muhlenberg College has policies and programs in place to make it accessible and affordable to low income students.

Programs to prepare students from low-income backgrounds for higher education

A pilot program was created this year involving 10 students from low-income backgrounds. These students were given a guide for success at college, as well as follow ups to any questions they may have. A complete list of the resources available to them here at Muhlenberg was also given to allow a full view of their opportunities here at the college.

Programs to guide parents for low-income students through the higher education
3 days before regular student orientation a special orientation is set up specific for low-income background students. These students are encouraged to come with their parents for a pre-orientation that is voluntary to receive a private guide to the resources available to them at the college. Parents also receive brochures to let them know the opportunities available for them and their kids at the college.

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

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

Muhlenberg College has policies and programs in place to make it accessible and affordable to low income students.

Programs to prepare students from low-income backgrounds for higher education
A pilot program was created this year involving 10 students from low-income backgrounds. These students were given a guide for success at college, as well as follow ups to any questions they may have. A complete list of the resources available to them here at Muhlenberg was also given to allow a full view of their opportunities here at the college.

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

Muhlenberg College provides financial aid to low-income students.

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

Muhlenberg College has policies and programs in place to make it accessible and affordable to low income students.

Programs to guide parents for low-income students through the higher education
A pilot program was created this year involving 10 students from low-income backgrounds. These students were given a guide for success at college, as well as follow ups to any questions they may have. A complete list of the resources available to them here at Muhlenberg was also given to allow a full view of their opportunities here at the college.

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

---

A brief description of the institution’s other admissions policies and programs:
A brief description of the institution’s other financial aid policies or programs:

---

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

---

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

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

A brief description of the program, policy, or practice:
Muhlenberg College first offered Gender Neutral Housing this academic school year. Gender Neutral Housing options are available in all upper-class housing.

The website URL where information about the program, policy, or practice is available:
---
Does the institution make cultural competence trainings and activities available to all employees?:
Yes

A brief description of the cultural competence trainings and activities:
Muhlenberg has programs available to all employees specific to cultural competence trainings and activities. All LVAIC programs at the College are available to all faculty, staff, and students. Specific trainings for Campus Safety are in place concerning racial profiling. Specific trainings for Coaches and all Athletic employees concerning homophobia.

The website URL where information about the trainings and activities are available:
---
Does the institution make cultural competence trainings and activities available to all students?:
Yes

A brief description of the cultural competence trainings and activities:

Muhlenberg College makes cultural competence trainings and activities available to all students. In September a student leaders retreat is conducted off campus. This program is specific to tackle issues that arise on campus concerning those students who are different. The program is intended to create student leaders who are charged to vocally and actively spread awareness and not tolerate discrimination. The outcome is to make the students ambassadors of inclusion.

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

This subcategory seeks to recognize institutions that have incorporated sustainability into their human resources programs and policies. This includes recognition for treating and remunerating their workers responsibly and fairly. An institution’s people define its character and capacity to perform; and so, an institution’s achievements can only be as strong as its community. An institution can bolster the strength of its community by making fair and responsible investments in its human capital. Such investments include offering benefits, wages, and other assistance that serve to respectfully and ethically compensate workers. Investment in human resources is integral to the achievement of a healthy and sustainable balance between human capital, natural capital, and financial capital.

In addition, this subcategory recognizes faculty and staff training and development programs in sustainability. Faculty and staff members’ daily decisions impact an institution’s sustainability performance. Equipping faculty and staff with the tools, knowledge, and motivation to adopt behavior changes that promote sustainability is an essential activity of a sustainable campus.

### Credit

- Sustainable Compensation
- Employee Satisfaction Evaluation
- Staff Professional Development in Sustainability
- Sustainability in New Employee Orientation
- Employee Sustainability Educators Program
- Childcare
- Employee Wellness Program
- Socially Responsible Retirement Plan
### Sustainable Compensation

**Responsible Party**

Anne Speck  
Vice President of Human Resources  
Human Resources

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**Criteria**

Institution evaluates, and updates as appropriate, its wages and benefits policies and its guidelines for contractors operating on campus to ensure that total compensation (wages plus benefits) for all on-campus workers is sufficient to enable these employees to meet their basic needs, as defined by the institution. This evaluation is completed at least once every three years.

Student workers are not covered by this credit.

While wages and total compensation set in the following ways may constitute sustainable compensation, institutions should conduct a basic needs assessment to ensure that the total compensation is adequate before claiming points for this credit:

- Paying prevailing wages for job type or classification
- Paying average or above average wages for the region or city where the institution is located
- Paying minimum wages or a set amount above the minimum wage

Policies and practices adopted by entities of which the institution is part (e.g. state government or the university system) may count for this credit as long as the policies apply to and are followed by the institution.

---

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

**Responsible Party**

Anne Speck  
Vice President of Human Resources  
Human Resources

**Criteria**

Institution conducts a survey or other evaluation that allows for anonymous feedback at least once every five years to measure employee satisfaction. The survey or equivalent may be conducted institution-wide or may be done by individual departments as long as all departments are covered by a survey. The institution has a mechanism in place to address issues raised by the evaluation.

This credit was marked as **Not Pursuing** so Reporting Fields will not be displayed.
Staff Professional Development in Sustainability

Responsible Party
Anne Speck
Vice President of Human Resources
Human Resources

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

This credit was marked as Not Pursuing so Reporting Fields will not be displayed.
Sustainability in New Employee Orientation

Responsible Party
Anne Speck
Vice President of Human Resources
Human Resources

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

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

Does the institution cover sustainability topics in new employee orientation and/or in outreach and guidance materials distributed to new employees, including faculty and staff?:
Yes

A brief description of how sustainability is included in new employee orientation:
Muhlenberg College covers sustainability topics in new employee orientation and/or in outreach and guidance materials distributed to new employees, including faculty and staff.
New employees receive a flyer on the College's recycling program.

The website URL for the information about sustainability in new employee orientation:
---
Employee Sustainability Educators Program

Responsible Party

Anne Speck
Vice President of Human Resources
Human Resources

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

Responsible Party

Anne Speck
Vice President of Human Resources
Human Resources

This credit was marked as Not Pursuing so Reporting Fields will not be displayed.
Employee Wellness Program

Responsible Party

Anne Speck
Vice President of Human Resources
Human Resources

"---" 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:

Muhlenberg college has an employee assistance or wellness program that provides counseling, referral, and well-being services to employees. Our Counseling Center provides employee assistance and counseling to our employees as well. Additionally, our health insurance carrier provides counseling services as part of their coverage. We also have an employee assistance program available through our Life and Long Term Disability Insurance carrier, Mutual of Omaha. We have a Wellness program which offers various classes throughout the year, and employees can attend as many wellness classes as they wish for a $10 annual participant fee. We also bring wellness programs to campus (such as Weight Watchers in prior semesters and Highmark's Drop 10 in 10 program this semester) to make participation in these programs convenient for our employees.

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

---
Socially Responsible Retirement Plan

Responsible Party

Anne Speck
Vice President of Human Resources
Human Resources

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

Does the institution offer a socially responsible investment option for retirement plans?:
Yes

A brief description of the socially responsible investment option for retirement plans:

Muhlenberg College offers a socially responsible investment option for retirement plans. Our retirement fund provider, TIAA-CREF, offers a fund called "CREF Social Choice" which is specifically designed to provide a socially responsible investment option - it is one of many investment alternatives available to our eligible employees.

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

This subcategory seeks to recognize institutions that make investment decisions that promote sustainability. Most institutions invest some of their assets in order to generate income. Together, colleges and universities invest hundreds of billions of dollars. Schools with transparent and democratic investment processes promote accountability and engagement by the campus and community. Furthermore, institutions can support sustainability by investing in companies and funds that, in addition to providing a strong rate of return, are committed to social and environmental responsibility. Investing in these industries also supports the development of sustainable products and services. Finally, campuses can engage with the businesses in which they are invested in order to promote sustainable practices.

Throughout this subcategory, the term “sustainable investment” is inclusive of socially responsible, environmentally responsible, ethical, impact, and mission-related investment.

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</tbody>
</table>
Committee on Investor Responsibility

Responsible Party

Kent Dyer
Chief Business Officer
Office of the Treasurer

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.

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

Responsible Party

Kent Dyer
Chief Business Officer
Office of the Treasurer

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

Responsible Party

Kent Dyer
Chief Business Officer
Office of the Treasurer

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.

This credit was marked as Not Pursuing so Reporting Fields will not be displayed.
Does the institution have a student-managed sustainable investment fund through which students are able to develop socially and/or environmentally responsible investment skills and experience with governance?:

Yes

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

There is a student-managed investment fund separate from the College's endowment

The website URL where information about the fund is available:

---
Sustainable Investment Policy

Responsible Party

Kent Dyer
Chief Business Officer
Office of the Treasurer

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

Responsible Party

Kent Dyer
Chief Business Officer
Office of the Treasurer

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.

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</table>
Community Sustainability Partnerships

Responsible Party

Beth Halpern
Director
Community Service & Civic Engagement

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:

Muhlenberg College 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. The College works with the local city government which has a number of sustainability initiatives on which they're working citywide. Student groups have done educational programming on sustainability with the Allentown School District and non-profit community partners. Students have participated in sustainability connected courses that work on projects to benefit community partners, and have also volunteered with efforts intended to advance sustainability in Allentown.

The website URL where information about sustainability partnerships is available:

http://www.muhlenberg.edu/main/campuslife/community-service/
Inter-Campus Collaboration on Sustainability

Responsible Party

Kalyna Procyk
Sustainability Coordinator
Office of Campus Sustainability

Criteria

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

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

Does the institution collaborate with other colleges and universities to support and help build the campus sustainability community?:

Yes

A brief summary of papers, guides, presentations, and other resources the institution has developed to share their sustainability experience with other institutions:

Muhlenberg College collaborates with other colleges and universities to support and help build the campus sustainability community. We are members of the Lehigh Valley Association of Independent Colleges sustainability committee. The committee has supported two conferences (in February 2009 and November 2009) and has quarterly meetings regarding sustainability coordination across the campuses. Additional topics are being planned.

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

See above

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

See above

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

---
Sustainability in Continuing Education

Responsible Party

Kalyna Procyk
Sustainability Coordinator
Office of Campus 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.

This credit was marked as Not Pursuing so Reporting Fields will not be displayed.
Community Service Participation

Responsible Party

Beth Halpern
Director of Community Service & Civic Engagement
Community Service & Civic Engagement

Criteria

Institution engages its student body in community service, as measured by the percentage of students who participate in community service.

Institutions may exclude non-credit, continuing education, and/or part-time students from this credit.

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

The number of students engaged in community service:

1,364

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

2,250

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

---
Community Service Hours

Responsibility Party

Beth Halpern
Director
Community Service & Civic Engagement

Criteria

Institution engages students in community service, as measured by average hours contributed per full-time student per year.

Institutions may exclude non-credit, continuing education, and/or part-time students from this credit.

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

The number of student community service hours contributed during a one-year period:
34,140

Total number of students, which may exclude part-time, continuing education and/or non-credit students:
2,250

The website URL where information about the institution’s community service initiatives is available:
---
Sustainability Policy Advocacy

Responsible Party

Deborah Kipp
Assistant, VP
Corporate Foundation & Government Relations

Criteria

Institution advocates for federal, state, or local public policies that support campus sustainability or that otherwise advance sustainability.

The policy advocacy must be done by the institution, not by students or a student group.

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.

Submission Note:

Responsible Party = Bookstore

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

Responsible Party

Kalyna Procyk
Sustainability Coordinator
Office of Campus Sustainability

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

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

A brief description of the graduation pledge program:

Muhlenberg College does administer a graduation pledge through which students pledge to consider social and environmental responsibility in future job and other decisions.

The website URL where information about the graduation pledge program is available:
http://www.muhlenberg.edu/main/campuslife/sye/GPA.html
Community Service on Transcripts

Responsible Party

Beth Halpern
Director of Community Service & Civic Engagement
Community Service & Civic Engagement

This credit was marked as Not Pursuing so Reporting Fields will not be displayed.
Farmers' Market

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

These credits recognize institutions that are seeking innovative solutions to sustainability challenges and demonstrating sustainability leadership in ways that are not otherwise captured by STARS.

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</table>
Innovation 1

Responsible Party

Kalyna Procyk
Sustainability Coordinator
Office of Campus 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:

Muhlenberg implemented a campaign, Just Tap It to reduce sales of bottled water on campus. Sales went down 92% after this initiative.

A letter of affirmation from an individual with relevant expertise:

STARS - Just Tap It Cert.docx
The website URL where information about the innovation is available:

http://www.aashe.org/resources/case-studies/just-tap-it-reducing-bottled-water-consumption-muhlenberg-college
**Innovation 2**

**Criteria**

1) Innovation credits are reserved for new, extraordinary, unique, ground-breaking, or uncommon outcomes, policies, and practices that greatly exceed the highest criterion of an existing STARS credit or are not covered by an existing STARS credit.

2) In general, innovation credits should have roughly similar impacts or be on the same scale as Tier One credits.

3) The innovative practice, policy, program, or outcome should have occurred within the past three years.

4) The innovative practice or program has to be something that the institution has already done; planned activities do not count.

5) An institution can only claim a particular activity as an innovation credit once. When re-submitting for a STARS rating, an innovation credit that the institution submitted previously cannot be re-submitted.

6) Practices, policies, and programs that were once considered innovative but are now widely adopted (e.g. being the first institution to enact a policy 20 years ago that is now common) may not be claimed as innovation credits.

7) Multiple activities or practices whose sum is innovative can be considered for an innovation credit as long as those activities or practices are related. For example, three innovative waste reduction programs in research laboratories could be listed together under a single innovation credit for Greening Laboratories. Listing a series of unrelated accomplishments or events under a single innovation credit is not accepted.

8) While the practices that led to receiving an award may be appropriate for an innovation credit, winning awards and/or high sustainability rankings in other assessments is not, in and of itself, grounds for an innovation credit.

9) Outcomes, policies, and practices that are innovative for the institution’s region or school type are eligible for innovation credits.

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

This credit was marked as **Not Pursuing** so Reporting Fields will not be displayed.
Innovation 3

Criteria

1) Innovation credits are reserved for new, extraordinary, unique, ground-breaking, or uncommon outcomes, policies, and practices that greatly exceed the highest criterion of an existing STARS credit or are not covered by an existing STARS credit.

2) In general, innovation credits should have roughly similar impacts or be on the same scale as Tier One credits.

3) The innovative practice, policy, program, or outcome should have occurred within the past three years.

4) The innovative practice or program has to be something that the institution has already done; planned activities do not count.

5) An institution can only claim a particular activity as an innovation credit once. When re-submitting for a STARS rating, an innovation credit that the institution submitted previously cannot be re-submitted.

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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.

This credit was marked as **Not Pursuing** so Reporting Fields will not be displayed.
Innovation 4

Criteria

1) Innovation credits are reserved for new, extraordinary, unique, 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.

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

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

The supplemental section includes reporting fields that are not part of STARS, but that have been requested by campus survey organizations (the Sustainable Endowments Institute, The Princeton Review, and Sierra magazine). Institutions that wish to share their data with one or more of these organizations should complete the fields in full or contact the relevant organization(s) for guidance regarding minimum reporting requirements.

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</table>
New Student Orientation

Criteria

Institution provides details about how it incorporates sustainability into new student orientation.

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

Criteria

Institution provides education about eco-positive food and gardening techniques.

This credit was marked as Not Pursuing so Reporting Fields will not be displayed.
Food and Beverage Purchases

Criteria

Institution provides details of its food and beverage purchases.

This credit was marked as **Not Pursuing** so Reporting Fields will not be displayed.
Confinement-Free Food Purchases

Criteria

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

This credit was marked as Not Pursuing so Reporting Fields will not be displayed.
Vegetarian-Fed Food Purchases

Criteria

Institution provides details of its vegetarian-fed animal product purchases.

This credit was marked as **Not Pursuing** so Reporting Fields will not be displayed.
Hormone-Free Food Purchases

Criteria

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

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

**Criteria**

Institution provides details of seafood products purchased that meet Marine Stewardship Council Blue Ecolabel standards and/or Monterey Bay Aquarium Seafood Watch guidelines.

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

Criteria

Institution provides details of the dishware it provides at its dining services locations.

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

Criteria

Institution provides details about its energy initiatives.

This credit was marked as Not Pursuing so Reporting Fields will not be displayed.
Energy Use by Type

Criteria

Institution reports its energy use by type.

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

Criteria

Institution provides details about its procurement efforts.

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

Criteria

Institution reports the number of bicycles available through bike sharing programs.

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

Criteria

Institution provides details about its water initiatives.

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

Criteria

Institution provides details about its endowment.

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

Criteria

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

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