

# Northwest Missouri State University

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

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

# Education & Research

## Co-Curricular Education

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

<b>Credit</b>
Student Sustainability Educators Program
Student Sustainability Outreach Campaign
Sustainability in New Student Orientation
Sustainability Outreach and Publications
Student Group
Organic Garden
Model Room in a Residence Hall
Themed Housing
Sustainable Enterprise
Sustainability Events
Outdoors Program
Themed Semester or Year

# Student Sustainability Educators Program

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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## Criteria

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

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

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

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

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## Submission Note:

The student sustainability group will begin presenting at Freshman Seminars in the Fall, as a means to kick off our peer education program. 1300 reflects an estimate of incoming freshman next fall.

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

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

7225

## Program name (1st program) :

na

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

1300

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

na

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

na

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

na

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

na

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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# Student Sustainability Outreach Campaign

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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## Criteria

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

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

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

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

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

The following impacts are not sufficient for this credit:

- Increased awareness
  - Additional members of a mailing list or group
- 

*"---" 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) :**

Greeks Go Green, Big Green Moveout

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

These were programs sponsored by Facility Services in cooperation with Students Taking Action at Northwest for Developing Sustainability (STANDS). Greeks Go Green was a competition between Fraternities and Suiorities intended to address post-homecoming waste, bring sustainability to students through recognized student leaders on and off campus.

<http://www.nwmissouri.edu/media/news/2011/11/18greeksgogreen.htm>

The Big Green Moveout was designed to capture the large amount of waste generated at the end of the semester. On average the University has to landfill 19T of additional waste during the final month of the school year, and the City of Maryville has difficulty dealing with the amount of trash generated by off-campus students.

<http://www.nwmissouri.edu/services/sustainability//moveout.htm>

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

GGG generated over 8,000 lbs of recyclables, brought over 45 volunteers to our Game Day Challenge event, and culminated in the opening of a new recycling drop-off location on campus.

Big Green MoveOut diverted over 1T of good used clothes and household goods from the landfill, and benefitted BBBS of Nodaway County.

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

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# Sustainability in New Student Orientation

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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## Criteria

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

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

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

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### Submission Note:

2011 was the year for the Sustainability Department, recruiting over 30 incoming freshman to promote sustainability. STANDS was officially recognized by Student Senate in February 2012.

<http://www.nwmissouri.edu/services/sustainability/northwest.htm>

"---" 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 Sustainability Office has a prominent location in the SOAR student resource fair where students have the opportunity to discuss University sustainability efforts, sign up for STANDS, and are given a hands on presentation of recycling, alternative fuels, and "Green" opportunities.

This interaction with students is carried into the school year during Advantage Week and Freshman seminar presentations.

<http://www.nwmissouri.edu/media/news/2011/06/23soar.htm>

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

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# Sustainability Outreach and Publications

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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## Criteria

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

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

## Submission Note:

Northwest is currently working on a comprehensive Campus Sustainability Report for 2011/2012 that should be published before July 1st.

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

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

Yes

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

The Sustainability Office site contains information and links to University sustainability efforts, and has a direct link from the main homepage "About Northwest"

<http://www.nwmissouri.edu/services/sustainability/index.htm>

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

---

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

Yes

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

The Facility Services newsletter features sustainability and is available through our page.

We are woking on direct distribution, but have not yet been able to meet all media relations criteria for format and content.

<http://www.nwmissouri.edu/services/facility/index.htm>

**The website URL for the sustainability newsletter :**

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

No

**A brief description of the vehicle to publish and disseminate student research on sustainability :**

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

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

No

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

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

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

Yes

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

Dining Services contractor, ARAMARK, has a number of media promoting sustainability.

<http://www.campusdish.com/en-US/CSMW/NorthwestMissouri>

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

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

No

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

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

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

Yes

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

We have both Arboretum and walking trails maps of campus

<http://www.nwmissouri.edu/arboretum/Vmap.htm>

**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 :**

Residential life has maintained a sustainability manual with great tips for green living for more than three years.

[http://www.nwmissouri.edu/services/sustainability/pdf/Sustainability\\_Manua.pdf](http://www.nwmissouri.edu/services/sustainability/pdf/Sustainability_Manua.pdf)

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

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

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 :**

It is important to note that over the past year, sustainability has been very well covered by the student-run Northwest Missourian. To my knowledge there were no staff specifically assigned to sustainability. To my knowledge, no individual did more than 2 stories.

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

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

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

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No

**A brief description of this material :**

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**The website URL for this material :**

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

No

**A brief description of this material :**

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**The website URL for this material :**

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

No

**A brief description of this material :**

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**The website URL for this material :**

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

No

**A brief description of this material :**

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**The website URL for this material :**

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

No

**A brief description of this material :**

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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) :**

No

**A brief description of this material :**

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**The website URL for this material :**

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

No

**A brief description of this material :**

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**The website URL for this material :**

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

No

**A brief description of this material :**

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**The website URL for this material :**

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# Student Group

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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### Submission Note:

STANDS will begin peer outreach in the Fall. STANDS students will be giving Freshman Seminar presentations in the Fall in hopes of further developing a robust student to student outreach.

*"---" 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 :

Students Taking Action at Northwest for Developing Sustainability (STANDS) is a group of students that work to promote University sustainability efforts through outreach and programming.

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

GREEKS GO GREEN  
RECYCLEMANIA  
BIG GREEN MOVEOUT  
GAMEDAY CHALLENGE

### List other student groups that address sustainability :

102 Wildlife River Club, Alternative Spring Break, NETwork against Malaria, Students Taking Action Through Service, Up Til Dawn

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

<http://www.nwmissouri.edu/studentaffairs/organizations/academic.htm>

# Organic Garden

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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

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

No

**A brief description of the garden :**

The University does support a community garden, but it is not organic.

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

<http://www.nwmissouri.edu/media/news/2011/08/17communitygarden.htm>

## Model Room in a Residence Hall

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

## Themed Housing

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

## Sustainable Enterprise

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

# Sustainability Events

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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

**Does the institution hold major events related to sustainability, such as conferences, speaker series, or symposia, that have students as the intended audience? :**

No

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

The Sustainability office has been involved in a number of events; however, no presentations outside the classroom have been student focused.

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

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# Outdoors Program

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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### Submission Note:

Beyond the infrastructure needed to conduct classes, the entire area is undeveloped.

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

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

Yes

**A brief description of the program :**

MOERA is 370 acre lakeside reserve primarily used as part of our outdoor recreation program

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

<http://www.nwmissouri.edu/dept/hperd/MOERA/index.htm>

## Themed Semester or Year

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**Responsible Party**

**John Viau**  
Sustainability Coordinator  
Facility Services

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

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

No

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

na

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

---

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

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# 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.

<b>Credit</b>
Sustainability Course Identification
Sustainability-Focused Courses
Sustainability-Related Courses
Sustainability Courses by Department
Sustainability Learning Outcomes
Undergraduate Program in Sustainability
Graduate Program in Sustainability
Sustainability Immersive Experience
Sustainability Literacy Assessment
Incentives for Developing Sustainability Courses

# Sustainability Course Identification

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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## 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.

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

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

No

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

---

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

No

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

---

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

No

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

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# Sustainability-Focused Courses

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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## 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:

There is currently no separate listing for these courses. Their relativity to Sustainability was based on the Undergraduate Catalog descriptions. The total number of offerings is an estimate; however the reported classes are based on actual catalog course descriptions.

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

## The number of sustainability-focused courses offered :

21

## The total number of courses offered :

500

## Number of years covered by the data :

One

## A list of sustainability-focused courses offered :

Wildlife Ecology Conservation  
Environmental Internship  
Basic Ecology  
Environmental Issue  
Wildlife management and conservation  
Environmental Biology  
Energy conversions with alternative energy  
Economic Geograpy  
Conservation of natural resources  
Environmental Geology  
Intro to Hydrology

Environmental Regulation  
Principles of Humanitarian relief  
Labor Economics  
International Economics  
AG Economics  
Soil and Water Management  
AG Resource Economics  
Soil and Water Conservation

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

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

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# Sustainability-Related Courses

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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## 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:

These related courses are part of our outdoor rec program. Northwest has a state of the art facility that promotes personal and organizational wellness. Which I believe is related.

<http://www.nwmissouri.edu/dept/hperd/MOERA/index.htm>

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

## The number of sustainability-related courses offered :

6

## The total number of courses offered :

500

## Number of years covered by the data :

One

## A list of sustainability-related courses offered :

Lifetime Wellness  
Recreation Programs  
Recreation Leadership  
Health Promotion  
Facility design & maintenance  
Community Health

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

<http://www.nwmissouri.edu/dept/hperd/MOERA/index.htm>

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

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## Sustainability Courses by Department

### Criteria

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

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

# Sustainability Learning Outcomes

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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## Criteria

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

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

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

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

0

**Total number of graduates :**

0

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

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**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 :**

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**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 :**

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# Undergraduate Program in Sustainability

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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## 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.

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

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

No

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

na

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

<http://www.nwmissouri.edu/academics/catalog/index.htm>

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

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

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

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

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

[Campus Sustainability Data Collector](#) | [AASHE](#) | [Sierra Magazine](#)

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# Graduate Program in Sustainability

## 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 Pursuing** so Reporting Fields will not be displayed.

# Sustainability Immersive Experience

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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## Criteria

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

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

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

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

---

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

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

No

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

na

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

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# Sustainability Literacy Assessment

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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## Criteria

### *Part 1*

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

### *Part 2*

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

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

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

No

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

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

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

---

**A brief description of how the assessment was developed :**

na

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

na

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

na

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

---

## Incentives for Developing Sustainability Courses

### Criteria

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

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

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

---

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.

<b>Credit</b>
Sustainability Research Identification
Faculty Engaged in Sustainability Research
Departments Engaged in Sustainability Research
Sustainability Research Incentives
Interdisciplinary Research in Tenure and Promotion

# Sustainability Research Identification

---

## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

## Criteria

### Part 1

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

### Part 2

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

### Part 3

Institution makes its sustainability research inventory publicly available online.

---

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

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

No

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

---

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

No

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

---

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

No

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

---

# Faculty Engaged in Sustainability Research

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

## Criteria

Institution's faculty members conduct research on sustainability topics.

Any level of sustainability research by a faculty member is sufficient to be included for this credit. In other words, a faculty member who conducts both sustainability research and other research may be included.

---

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

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

0

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

0

**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 :**

---

**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

**John Viau**  
Sustainability Coordinator  
Facility Services

---

## Criteria

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

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

---

## Submission Note:

There is no official sustainability research listed.

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

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

25

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

4

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

Geology  
Geography  
Biology  
Chemistry

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

---

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

---

# Sustainability Research Incentives

---

## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

## Criteria

### Part 1

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

### Part 2

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

---

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

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

No

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

---

**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? :**

No

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

---

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

---

# Interdisciplinary Research in Tenure and Promotion

## Criteria

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

---

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

# 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.

<b>Credit</b>
Building Operations and Maintenance
Building Design and Construction
Indoor Air Quality

# Building Operations and Maintenance

---

## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

## Criteria

Institution owns and operates buildings that are:

1) Certified under the LEED® for Existing Buildings: Operations & Maintenance (O&M) Green Building Rating System,

and/or

2) Operated and maintained in accordance with sustainable operations and maintenance guidelines and policies that cover the following:

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

## Submission Note:

Letter from the architects:

I put together some information in regards to a hypothetical LEED certification for CIE. The short story is that I think with some additional calculations and research on the actual materials installed on the project the CIE project could have been certified under Version 2.2 of LEED. With some additional cost and modifications you might have been able to reach the Silver level. The one thing you need to understand is that Version 2.2 is what was in affect when we were designing and constructing the project. Today they are at Version 3.0 and you would probably be required to use this version if you actually went for certification. There are some more restrictive prerequisites that would probably make it impossible to certify the building under version 3.0 at this time.

Attached is a LEED Version 2.2 checklist with an indication on which Credits would be attainable with no real effort, those that would require some additional calculations or research but would be considered possible and the credits that we would have not been able to attain. We have also included a document with background on some of the Credits.

I have also included a document that we use to look at the Project Energy Usage of our projects. This was calculated from the information you gave me on the electrical usage for the building. What it shows is that the CIE building is using 37% less energy in comparison to the average Lab building. This is all part of the 2030 challenge to reduce fossil fuel consumption.

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

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

46000 *Square Feet*

**Building space that is maintained in accordance with sustainable building operations and maintenance guidelines or policies but is NOT certified under LEED for Existing Buildings: O&M :**

46000 *Square Feet*

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

0 *Square Feet*

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

0 *Square Feet*

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

0 *Square Feet*

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

0 *Square Feet*

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

<http://www.nwmissouri.edu/cie/index.htm>

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

---

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

---

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

the University maintains equipment per manufacturer guidelines. The conservatyon effort was made in the construction of the CIE by installing systems that met LEED specifications at the time. A review was made in early 2011 to determine how far from actual certification the building actually was, and it was determined that Silver would be attainable but was still cost prohibitive.

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

---

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

Northwest Missouri State University

Center for Innovation and Entrepreneurship

2/23/11

LEED Version 2.2 Checklist Supporting Documentation

Sustainable Sites

Prereq 1

Erosion Control Plans were created for the original Shell Package and the North Parking Lot Package.

Credit 1:

Need to evaluate if the site was considered Prime Farmland.

Credit 4.2:

If a shower and changing area was created within the existing building along with secure bicycle storage.

Credit 4.3:

Create preferred parking for low emitting and fuel-efficient vehicles.

Credit 4.4:

This credit may be obtainable. Need to recalculate parking capacity to be sure it does not exceed local zoning requirements and provide preferred parking for carpool or vanpool equaling 5% of total parking stalls.

Credit 5.1:

Would need to incorporate native and adaptive vegetation as outlined in the original design concepts.

Credit 5.1:

Currently the building has vegetated open space equal to the building foot print.

Credit 6.1:

Verification from Snyder and Associates that the expanded detention basin allowed for post-development peak discharge rate and quantity from exceeding the pre-development discharge rate.

Credit 6.2:

Best Management Practices (BMP's) would need to be incorporated to improve the quality of the storm water leaving the site.

Credit 7.1:

The use of concrete paving for parking lots should provide a Solar Reflectance Index (SRI) of 29 or greater.

Credit 7.2:

Verify that the roofing material installed has a Solar Reflectance Index (SRI) of 78 or greater.

Credit 8.0:

Requires additional calculations for Interior and Exterior lighting levels.

Water Efficiency

Credit 1.1 & 1.2:

To my knowledge, there is no irrigation on the site.

Credit 2, 3.1 & 3.2

Water closets are dual flush, lavatories have sensor operated 0.5 gpm faucets

Energy & Atmosphere

Prereq 1

Building was commissioned by Accutec

Prereq 2

Building should comply with ASHRAE 90.1-2004 although calculations have not been performed

Prereq 3

Chiller does not use CFC based refrigerant. R134A is used.

Credit 1

5 points is 24.5% better than ASHRAE 90.1-2004. We should be able to achieve this. Building has VAV labs, and run-around loop for heat recovery.

Credit 2

No on-site renewable energy

Credit 3

May be able to get this credit. Not sure when commissioning agent was hired. If they were on board before starting CD's, we can get the credit. If not, we can't.

Credit 4

We should be able to get this credit since the chiller uses 134A

Credit 5

Measurement and verification was not done for this project. If the project had pursued LEED certification, we could have planned for and obtained this point.

Credit 6

Green power was not obtained for this project. If the project had pursued LEED certification, we could have planned for and obtained this point.

Materials & Resources

Prereq 1

The University already has in place procedures for Storage & Collection of Recyclables

Credit 1.1, 1.2 & 1.3:

This building is new construction and is not eligible for these credits

Credit 2.1:

We know the University provided dumpsters for contractors to recycle cardboard and possible wood to be used in the Universities pellet plant operation. Not sure if amount were measured.

Credit 4.1:

Additional calculations required to determine if 10% of the materials used on the project have post-consumer + ½ pre-consumer content.

Credit 5.1:

Additional calculations required to determine if 10% of the materials used on the project were Extracted, Processed & Manufactured within 500 miles.

Credit 7:

Review products to determine if 50% of wood-based materials and products were certified by Forest Stewardship Council's (FSC) principals.

Indoor Environmental Quality

Prereq 1

The design meets this requirement.

Prereq 2

The building is smoke free so it meets this requirement.

Credit 1

We do not directly measure outdoor air on the office air handlers, therefore, we can't obtain this credit. If the project had pursued LEED certification, we could have planned for and obtained this point.

Credit 2

We did not design for increased ventilation for offices; therefore, we can't obtain this credit. If the project had pursued LEED certification, we could have planned for and obtained this point.

Credit 3.1

There was no construction IAQ management plan, therefore, we can't obtain this credit. If the project had pursued LEED certification, we could have planned for and obtained this point.

Credit 3.2

There was no construction IAQ management plan, therefore, we can't obtain this credit. If the project had pursued LEED certification, we could have planned for and obtained this point.

Credit 4.1, 4.2, 4.3 & 4.4:

Would require the review installed products to determine if they meet the Low-Emitting Materials

requirements.

#### Credit 5

Permanent entryway systems were not provided and the filter requirement is not met, therefore, we can't obtain this credit. If the project had pursued LEED certification, we could have planned for and obtained this point.

#### Credit 6.1

This credit may be obtainable. Analysis and calculations would need to be completed to verify. If the project had pursued LEED certification, we could have planned for and obtained this point.

#### Credit 6.2

This credit may be obtainable. Analysis and calculations would need to be completed to verify. If the project had pursued LEED certification, we could have planned for and obtained this point.

#### Credit 7.1

The design meets the requirements for this credit.

#### Credit 7.2

The thermal comfort survey was not done 6-18 months after occupancy, therefore, we can't obtain this credit. If the project had pursued LEED certification, we could have planned for and obtained this point.

#### Credit 8.1

Daylight is provided to 75% of the spaces. Additional calculation would need to be done to confirm.

# Building Design and Construction

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

## Criteria

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

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

and/or

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

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

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

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

0 Square Feet

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

0 Square Feet

## **New building space that is LEED Certified :**

0 Square Feet

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

0 Square Feet

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

0 Square Feet

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

*0 Square Feet*

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

---

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

---

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

---

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

---

**The names of all buildings that are certified under the LEED for New Construction and Major Renovations, LEED for Commercial Interiors, and/or LEED for Core and Shell Green Building Rating Systems :**

---

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

---

## Indoor Air Quality

### 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.

<b>Credit</b>
Greenhouse Gas Emissions Inventory
Greenhouse Gas Emissions Reduction
Air Travel Emissions
Local Offsets Program

# Greenhouse Gas Emissions Inventory

---

## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

## Criteria

### Part 1

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

### Part 2

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

---

### Submission Note:

There are plans to complete a GHG Inventory in 2012-13

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

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

<http://www.nwmissouri.edu/services/sustainability//index.htm>

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

No

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

No

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

No

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

No

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

No

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

No

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

No

**If yes, please specify :**

---

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

---

**If yes, please specify :**

---

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

---

**If yes, please specify :**

---

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

---

**If yes, please specify :**

---

# Greenhouse Gas Emissions Reduction

---

## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

## Criteria

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

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

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

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

---

### Submission Note:

Inventory is planned for next year.

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

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

0 Metric Tons of CO2 Equivalent

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

0 Metric Tons of CO2 Equivalent

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

0 Metric Tons of CO2 Equivalent

### On-campus residents, 2005 :

2310

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

0

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

0

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

0 *Metric Tons of CO2 Equivalent*

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

0 *Metric Tons of CO2 Equivalent*

**Carbon offsets purchased, performance year :**

0 *Metric Tons of CO2 Equivalent*

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

0

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

2512

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

0

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

0

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

0

# Air Travel Emissions

---

**Responsible Party**

**John Viau**  
Sustainability Coordinator  
Facility Services

---

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

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

No

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

There are no current travel/emmissions policy

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

---

# Local Offsets Program

---

**Responsible Party**

**John Viau**  
Sustainability Coordinator  
Facility Services

---

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

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

No

**A brief description of the program :**

none at this time

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

---

# Dining Services

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

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

<b>Credit</b>
Food and Beverage Purchasing
Trayless Dining
Vegan Dining
Trans-Fats
Guidelines for Franchisees
Pre-Consumer Food Waste Composting
PostConsumer Food Waste Composting
Food Donation
Recycled Content Napkins
Reusable Container Discounts
Reusable To-Go Containers

# Food and Beverage Purchasing

---

## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

## Criteria

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

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

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

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

---

## Submission Note:

ARAMARK, our dining services contractor, has been instrumental in our operational sustainability efforts; however, 2012 will begin a new RFP that will have additional sustainability requirements built in.

*"---" 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) :

3

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

All dairy products are locally purchased. We have a limited amount of organic foods available at the convenience stores. All seafood is on the Monterey Bay Aquarium Seafood Watch program.

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

---

## Trayless Dining

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

**Responsible Party**

**John Viau**  
Sustainability Coordinator  
Facility Services

---

**Submission Note:**

Northwest does not have a traditional cafeteria dining program. Meals are purchased ala carte from a variety of individual operations managed by ARAMARK.

<http://www.campusdish.com/en-US/CSMW/NorthwestMissouri/>

*"---" 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 :**

Vegetarian meal options are available at every venue, every meal.

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

---

## Trans-Fats

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

# Guidelines for Franchisees

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

# Pre-Consumer Food Waste Composting

---

## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

### Submission Note:

The compost program was taken to this level in August 2011 and yielded over 150,000 lbs of pre-consumer waste by the end of April 2012.

The compost site is pretty limited:

<http://www.nwmissouri.edu/services/sustainability/organics.htm>

There is a little more info here:

<http://www.nwmissouri.edu/services/sustainability/northwest.htm>

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

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

Yes

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

The University provides 44gal rolling bins to every kitchen and prep area at every venue on campus. Those bins are brought outside to a central compost dumpster that is emptied 3-5 times per week.

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

100

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

100

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

0

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

75

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

---

# PostConsumer Food Waste Composting

---

## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

### Submission Note:

The University has realized a significant drop in tipping fees by getting rid of the post-consumer ice and water from the food court. These savings have been key to administration financial support of the program during one of the most difficult budget climates ever.

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

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

Yes

### A brief description of the postconsumer food waste composting program :

Northwest created front of the house recycling centers in the main food court at the beginning of the year as part of the larger compost program.

Our inability to process contaminants and mixed plastics, as well as the limited amount of compostable plates etc. really prevented the use of our post-consumer materials. We are addressing those issues in the fall as dining services will streamline their containers across all venues, we are adding mixed plastics, and renewing the display to capture post-consumer paper and food. It should be noted that the recycling centers have reduced our landfill waste by almost half from the the Union.

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

90

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

90

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

0

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

100

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

<http://www.nwmissouri.edu/services/sustainability/northwest.htm>

## Food Donation

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

## Recycled Content Napkins

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

## Reusable Container Discounts

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

## Reusable To-Go Containers

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

# Energy

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

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

<b>Credit</b>
Building Energy Consumption
Clean and Renewable Energy
Timers for Temperature Control
Lighting Sensors
LED Lighting
Vending Machine Sensors
Energy Management System
Energy Metering

# Building Energy Consumption

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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## Criteria

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

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

1 kWh = 0.003412 MMBtu

1 MWh = 3.412 MMBtu

1 therm = 0.1 MMBtu

1 kBtu = 0.001 MMBtu

1 ton-hour = 0.012 MMBtu

1 MJ = 0.000948 MMBtu

---

### Submission Note:

Since 2005 Northwest has added only a little over 110,000 in total sqft; however, 150,000 of the baseline square footage was a brick and mortar residence hall from the 1950s that was completely replaced in 2007 by a far more efficient new facility with the same name, Hudson/Perrin.

[http://www.nwmissouri.edu/reslife/Halls\\_and\\_Apartments/hudsonperrin/index.htm](http://www.nwmissouri.edu/reslife/Halls_and_Apartments/hudsonperrin/index.htm)

Almost 50,000 of the added square footage is the Center for Innovation and Entrepreneurship that, while not LEED certified, meets many LEED guidelines and criteria through high efficiency mechanical systems, building materials, daylighting, light sensors, and HVAC systems.

<http://www.nwmissouri.edu/cie/facilities/index.htm>

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

## Total building energy consumption, 2005 :

372540 MMBtu

**Building space, 2005 :**

2221085 *Gross Square Feet*

**Total building energy consumption, performance year :**

346916 *MMBtu*

**Building space, performance year :**

2338700 *Gross Square Feet*

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

7/1/10 - 6/30/11

## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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## Criteria

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

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

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

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

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

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

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

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

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

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

1 kWh = 0.003412 MMBtu

1 MWh = 3.412 MMBtu

1 therm = 0.1 MMBtu

1 kBtu = 0.001 MMBtu

1 ton-hour = 0.012 MMBtu

1 MJ = 0.000948 MMBTU

---

**Submission Note:**

We also have a small windmill generator on the farm that does provide some electricity to the outbuildings. There is no metering of that device.

We also have a small solar panel in our computer services building, a 2,350-watt electric solar panel grid-tie system to power the notebook software loading racks and for recharging the department's electric repair vehicle. It generates about 2,833 KWH a year

"---" 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 :**

10 MMBtu

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

197621 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 :**

346916 MMBtu

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

---

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

We operate an alternative fuel wood chip-fired and paper pellet fired boiler plant that produces steam for heating and air conditioning across campus.

<http://www.nwmissouri.edu/aboutus/fuels/about.htm>

**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 :**

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# Timers for Temperature Control

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

# Lighting Sensors

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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### Submission Note:

The University has made lighting sensors part of our Guidelines for Design and Construction.

*"---" 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 :**

The entire facility uses both intelligent motion sensors and light sensors. Special attention was given to actual lighting needs during the design phase to maximize the use of natural light and keep the number of fixtures needed to a minimum.

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

100

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

<http://www.nwmissouri.edu/cie/index.htm>

# LED Lighting

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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

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

Yes

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

Northwest recently installed a main campus marquis at the entrance of campus. it is used for not only a welcome sign, but also current events and information

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

0

**The percentage of parking deck space with LED lighting :**

0

**The percentage of outdoor space that uses LED lighting :**

0

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

75

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

---

# Vending Machine Sensors

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

# Energy Management System

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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

**Does the institution use a centralized energy management system that allows it to track energy consumption and performance in multiple buildings in a central location? :**

No

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

We have hired an energy manager that will begin June 11, 2012

**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

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**Responsible Party**

**John Viau**  
Sustainability Coordinator  
Facility Services

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

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

No

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

currently there are no fully submetered buildings

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

---

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

---

# Grounds

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

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

# Integrated Pest Management

## Criteria

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

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

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

## Native Plants

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**Responsible Party**

**John Viau**  
Sustainability Coordinator  
Facility Services

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

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

No

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

The University does not prioritize native plants but does incorporate native species throughout the arboretum.

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

---

**Responsible Party**

**John Viau**  
Sustainability Coordinator  
Facility Services

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**Submission Note:**

Landscape services maintains and protects a large section of the old Wabash Train bed running through campus as an undisturbed Botony Laboratory site, and the remainder as a nature trail.

*"---" 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 :**

Northwest has 2 Vibernum Bird sanctuaries, and a Prairie restoration on campus.

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

<http://www.nwmissouri.edu/arboretum/index.htm>

**Responsible Party**

**John Viau**  
Sustainability Coordinator  
Facility Services

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**Submission Note:**

Northwest has participated in the Tree City USA program for a number of years.

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

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

Yes

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

Northwest's campus was named the Missouri Arboretum in 1993. The staff provides educational programs, tours, and research throughout the year.

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

<http://www.nwmissouri.edu/arboretum/statute.htm>

## Snow and Ice Removal

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

## Landscape Waste Composting

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

# 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.

<b>Credit</b>
Computer Purchasing
Cleaning Products Purchasing
Office Paper Purchasing
Vendor Code of Conduct
Historically Underutilized Businesses
Local Businesses

# Computer Purchasing

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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## Criteria

### *Part 1*

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

### *Part 2*

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

---

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

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

No

**The website URL where the EPEAT 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 EPEAT computers)? :**

No

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

---

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

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

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# Cleaning Products Purchasing

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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## Criteria

### Part 1

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

### Part 2

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

---

### Submission Note:

Aramark uses their green cleaning system currently, and started the transition to Blue last semester.

"---" 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.aramark.com/PressRoom/PressReleases/ARAMARK-Blue-Cleaning.aspx>

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

Our Facilities contractor has instituted a blue cleaning system at Northwest. The associated supplies and equipment are handled exclusively by the vendor.

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

No

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

---

**Total expenditures on cleaning products :**

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

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# Office Paper Purchasing

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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## Criteria

### Part 1

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

### Part 2

Institution purchases recycled content office paper.

---

#### Submission Note:

Every effort is made to not purchase virgin paper products of any kind.

In addition to office paper, Northwest spent \$60,000 on paper towels in 10/11 and more than \$54,000 was spent on products with 75-100% recycled content.

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

**Does the institution have an institution-wide stated preference to purchase recycled content office paper? :**

Yes

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

<http://www.moga.mo.gov/statutes/c000-099/0340000031.htm>

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

As a chapter 34 school, Northwest is required to adhere to the purchasing regulations of the state office of administration. It is required by statute to by recycled content.

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

Yes  
Campus Sustainability Data Collector | AASHE | Sierra Magazine

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

1076 *US/Canadian \$*

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

49400 *US/Canadian \$*

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

99 *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 :**

50575 *US/Canadian \$*

# Vendor Code of Conduct

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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## Criteria

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

---

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

**Does the institution have and act on a vendor code of conduct or equivalent policy that sets expectations about the social and environmental responsibility of vendors with whom the institution does business? :**

No

**The website URL where the vendor code of conduct or equivalent policy is posted :**

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

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

There are currently no stated policies on this subject

## Historically Underutilized Businesses

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

## Local Businesses

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

# Transportation

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

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

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

## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

## Criteria

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

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

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

---

### Submission Note:

Our electric vehicles are on-campus only vehicles. We do not have any DOT approved electric cars or trucks in the fleet.

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

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

0

### 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 :

2

**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 :**

4

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

24

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

155

# Student Commute Modal Split

---

## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

## Criteria

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

---

### Submission Note:

These numbers are estimations based on resident numbers, observation, and the 100 scooter/motorcycle permits sold.  
90% of students purchased parking permits last year; however, 35% of our total student population (2500+) lives on campus.

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

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

10

**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 :**

90

**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 :**

0

**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 :**

4

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

2

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

<http://www.nwmissouri.edu/police/saferide.htm>

# Employee Commute Modal Split

---

## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

## Criteria

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

---

### Submission Note:

\*\*\*Based on the distribution of parking permits. Anyone who utilizes University parking facilities, including but not limited to, faculty, staff and students, must have a current Northwest parking permit.

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

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

4

**The percentage (0-100) of institution's employees who commute with only the driver in the vehicle (excluding motorcycles and scooters) as their primary method of transportation :**

96

**The percentage (0-100) of institution's employees who walk, bicycle, or use other non-motorized means as their primary method of transportation. Please note that this may include on-campus residents :**

2

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

0

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

0

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

0

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

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# Bicycle Sharing

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**Responsible Party**

**John Viau**  
Sustainability Coordinator  
Facility Services

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

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

No

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

none

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

---

## Facilities for Bicyclists

---

**Responsible Party**

**John Viau**  
Sustainability Coordinator  
Facility Services

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*"---" 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? :**

No

**A brief description of the facilities :**

na

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

---

# Bicycle and Pedestrian Plan

---

## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

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

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

No

### A brief description of the plan :

na

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

---

# Mass Transit Programs

---

## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

### Submission Note:

This service is widely used by international students to get around the city. UPD now operates all shuttle service under the safe ride program.

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

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

Yes

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

Safe Rides program. Available to all students, used by more than 250 students last semester.

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

<http://www.nwmissouri.edu/police/saferide.htm>

## Condensed Work Week

---

**Responsible Party**

**John Viau**  
Sustainability Coordinator  
Facility Services

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

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

No

**A brief description of the program :**

na

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

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# Telecommuting

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**Responsible Party**

**John Viau**  
Sustainability Coordinator  
Facility Services

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

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

No

**A brief description of the program :**

na

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

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## Carpool/Vanpool Matching

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**Responsible Party**

**John Viau**  
Sustainability Coordinator  
Facility Services

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

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

No

**A brief description of the program :**

na

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

---

## Cash-out of Parking

---

**Responsible Party**

**John Viau**  
Sustainability Coordinator  
Facility Services

---

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

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

:

No

**A brief description of the program :**

na

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

---

## Carpool Discount

---

### Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

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

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

No

**A brief description of the program :**

na

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

---

## Local Housing

---

### Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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

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

No

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

na

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

---

## Prohibiting Idling

---

### Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

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

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

No

### A brief description of the policy :

na

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

---

## Car Sharing

---

**Responsible Party**

**John Viau**  
Sustainability Coordinator  
Facility Services

---

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

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

No

**A brief description of the program :**

na

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

---

# Waste

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

<b>Credit</b>
Waste Reduction
Waste Diversion
Construction and Demolition Waste Diversion
Electronic Waste Recycling Program
Hazardous Waste Management
Materials Exchange
Limiting Printing
Materials Online
Chemical Reuse Inventory
Move-In Waste Reduction
Move-Out Waste Reduction

# Waste Reduction

---

## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

## Criteria

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

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

---

## Submission Note:

The departmental restructuring will take place as of July 1, 2012. Northwest will be producing a comprehensive waste management plan as part of our sustainability action plan next academic year.

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

## Weight of materials recycled, 2005 baseline year :

0.22 Tons

## Weight of materials composted, 2005 baseline year :

0 Tons

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

620 Tons

## Weight of materials recycled, performance year :

255.38 Tons

## Weight of materials composted, performance year :

38.04 Tons

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

705.35 Tons

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

1/11-12/11

**On-campus residents, 2005 :**

2310

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

3941

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

975

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

2512

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

4257

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

1408

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

7/11-6/12

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

No

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

Northwest conducted a comprehensive waste audit, reorganized its materials handling to include waste hauling, compost, recycling, and alternative fuel processing and production.

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

<http://www.nwmissouri.edu/services/sustainability/northwest.htm>

# Waste Diversion

---

## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

## Criteria

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

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

---

### Submission Note:

the total diversion rate does not reflect the weight of surplus property sold or reused by the University. In 2010/11, surplus property auctions netted \$42,800.

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

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

255.39 Tons

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

755 Tons

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

increased recycling collection efforts, established composting program, and streamline collection processes and infrastructure

# Construction and Demolition Waste Diversion

---

## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

## Criteria

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

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

---

## Submission Note:

This program has only been in place since October 2011, and is now the standard for internal capital projects. next year we hope to attach similar program requirements to all capital projects.

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

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

*2.75 Tons*

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

*4.50 Tons*

## A brief description of programs, policies, infrastructure investments, outreach efforts, and/or other factors that contribute to the diversion rate for construction and demolition waste :

All recoverable materials are collected during demolition work. Metal studs, light fixtures, wood, and mixed plastics constitute the bulk of materials.

# Electronic Waste Recycling Program

---

## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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## Criteria

### *Part 1*

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

### *Part 2*

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

---

"---" 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? :**

No

**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 :**

The University follows state purchasing guidelines for all types of recycling.

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

---

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

---

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

---

# Hazardous Waste Management

## Criteria

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

---

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

## Materials Exchange

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

## Limiting Printing

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

## Materials Online

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

# Chemical Reuse Inventory

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

## Move-In Waste Reduction

---

**Responsible Party**

**John Viau**  
Sustainability Coordinator  
Facility Services

---

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

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

No

**A brief description of the program :**

na

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

---

# Move-Out Waste Reduction

---

## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

### Submission Note:

We teamed with Big Brothers Big Sisters because they have the ability to accept just about everything but large furniture and big electronics.

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

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

Yes

### A brief description of the program :

Big Green MoveOut is an effort to reduce the amount of waste sent to the landfill at the end of each school year.

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

<http://www.nwmissouri.edu/services/sustainability//moveout.htm>

# 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.

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

# Water Consumption

---

## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

## Criteria

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

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

---

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

### **Water consumption, 2005 baseline year :**

66689941 Gallons

### **Water consumption, performance year :**

51221409 Gallons

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

7/10-6/11

### **On-campus residents, 2005 :**

2310

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

3941

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

975

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

2512

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

4257

### **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) :**

7/11-6/12

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

No

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

---

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

---

# Stormwater Management

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

## 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? :**

No

**Does the institution have a policy, plan, and/or strategies to reduce stormwater runoff from ongoing campus operations? :**

No

**A brief description of the institution's stormwater management initiatives :**

The University plans for stormwater runoff for each new capital project.

**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? :**

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

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**Does the institution have porous paving? :**

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**A brief description of the institution's porous paving :**

---

**Does the institution have retention ponds? :**

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**A brief description of the institution's retention ponds :**

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**Does the institution have stone swales? :**

---

**A brief description of the institution's stone swales :**

---

**Does the institution have vegetated swales? :**

---

**A brief description of the institution's vegetated swales :**

---

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

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

---

# Waterless Urinals

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

# Building Water Metering

---

## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

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

**Does the institution have building-level water consumption meters for at least one building? :**

No

**A brief description of the water metering employed :**

we have no water submeters in place

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

---

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

---

# Non-Potable Water Usage

---

## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

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

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

No

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

na

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

---

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

---

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

---

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

---

## Xeriscaping

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

# Weather-Informed Irrigation

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

# Planning, Administration & Engagement

## Coordination and Planning

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

<b>Credit</b>
Sustainability Coordination
Strategic Plan
Physical Campus Plan
Sustainability Plan
Climate Action Plan

# Sustainability Coordination

---

## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

## Criteria

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

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

---

### Submission Note:

This position was created within Facility Services because the physical plant presents the greatest opportunity for improvements geared toward sustainability. This position, as well as the entire program will be funded next year by an unsolicited sustainability fee adopted by the Student Senate in February 2012.

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

### Does the institution have a sustainability committee? :

No

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

---

### Members of the committee, including affiliations :

---

### 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 Sustainability Office was established in January 2011 to help Northwest continue to efficiently advance as an innovative sustainable community through educational outreach, campus engagement, and collaborative partnerships.

The office is responsible for encouraging and facilitating sustainability programs initiated by students, faculty, and staff, as well as assisting in the development and implementation of a long range sustainability plan at Northwest.

**The number of people employed in the sustainability office :**

1

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

<http://www.nwmissouri.edu/services/sustainability//index.htm>

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

Yes

**Sustainability coordinator's name :**

John Viau

**Sustainability coordinator's position title :**

Sustainability Coordinator

**A brief description of the sustainability coordinator's position :**

The Sustainability Coordinator will develop, coordinate, and administer programs and advise on policies within the area of sustainability at Northwest Missouri State University. The Sustainability Coordinator is the chief contact with the external community about issues and advances in sustainable practices at Northwest, providing connection between campus and regional efforts.

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

<http://www.nwmissouri.edu/services/facility/sustainability/index.htm>

# Strategic Plan

---

## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

## Criteria

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

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

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

---

## Submission Note:

The University's strategic plan has been impacted considerably by budget cuts; however, sustainability is still at the table.

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

## Year the strategic plan or equivalent was completed or adopted :

2011

## 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 :

Environmental concerns are part of the current plan. The sustainability of every operation on campus is being examined as the University is forced to economize without compromising our mission to educate every student, every day.

## 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 :**

<http://www.nwmissouri.edu/provost/pdf/StrategicPlan.pdf>

# 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 Pursuing** so Reporting Fields will not be displayed.

# Sustainability Plan

---

## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

## Criteria

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

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

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

---

### Submission Note:

The Student Sustainability Fee will provide over \$35,000 operational dollars to the program. We intend to formalize our approach, but only in a way that best suits the needs of the stakeholders.

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

### Does the institution have a sustainability plan that meets the criteria for this credit? :

No

### A brief description of how multiple stakeholder groups were involved in developing the plan :

It is coming this fall, and will be accompanied by a GHG Inventory.

### A brief description of the plan's measurable goals :

It will focus on waste management, civic engagement and outreach, and energy. 5-10 year: 20% reduction in energy consumption through conservation and cogeneration. 75% waste diversion rate. Sustainability Committe that has a seat in every major University and communittee organization. National recognition as a school that produces students that are prepared for what being green means now, and in the future.

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

It will be measured in the numbers.

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

---

**The year the plan was developed or last updated :**

2011

# Climate Action Plan

---

## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

---

## Criteria

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

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

---

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

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

No

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

We will follow the benchmarks established by EPA.

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

Northwest will be conducting a GHG Inventory 2012/2013

## Year the climate plan was formally adopted or approved :

---

## An indication of whether institution has made a commitment to reduce GHG emissions a specific amount by a target year :

No

## List which emissions (scope 1, 2, and/or 3) are included in its GHG emissions commitment :

---

## The reduction level (percentage) institution has committed to :

---

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

---

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

---

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

---

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

---

# 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.

<b>Credit</b>
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

## 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.

---

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

# Measuring Campus Diversity Culture

## Criteria

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

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

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

---

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

## Support Programs for Underrepresented Groups

### Criteria

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

---

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

## Support Programs for Future Faculty

### Criteria

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

Such programs could take any of the following forms:

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

---

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

# Affordability and Access Programs

## Criteria

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

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

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

---

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

## Gender Neutral Housing

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

## Employee Training Opportunities

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

## Student Training Opportunities

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

# Human Resources

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

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

<b>Credit</b>
Sustainable Compensation
Employee Satisfaction Evaluation
Staff Professional Development in Sustainability
Sustainability in New Employee Orientation
Employee Sustainability Educators Program
Childcare
Employee Wellness Program
Socially Responsible Retirement Plan

# Sustainable Compensation

## Criteria

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

Student workers are not covered by this credit.

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

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

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

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

# Employee Satisfaction Evaluation

## Criteria

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

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

# Staff Professional Development in Sustainability

## Criteria

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

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

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

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

The following training opportunities are not sufficient for this credit:

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

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

# Sustainability in New Employee Orientation

## Criteria

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

---

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

# Employee Sustainability Educators Program

## Criteria

Institution administers or oversees an ongoing faculty/staff peer-to-peer sustainability outreach and education program. In the program, employee sustainability educators are formally designated and receive formal training or participate in an institution-sponsored orientation. The institution offers financial or other support to the program.

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

# Childcare

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

## Employee Wellness Program

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

## Socially Responsible Retirement Plan

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

# Investment

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

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

<b>Credit</b>
Committee on Investor Responsibility
Shareholder Advocacy
Positive Sustainability Investments
Student-Managed Sustainable Investment Fund
Sustainable Investment Policy
Investment Disclosure

# Committee on Investor Responsibility

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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## Criteria

Institution has a formally established and active CIR or similar body that makes recommendations to the Board of Trustees on socially and environmentally responsible investment opportunities across asset classes, including proxy voting. The body has multi-stakeholder representation, which means its membership includes faculty, staff, and students and may include alumni, trustees, and/or other parties.

Institutions for which investments are handled by the university system and/or a separate foundation of the institution should report on the investment policies and activities of those entities.

A general committee that oversees the institution's investments does not count for this credit unless social and environmental responsibility is an explicit part of its mission and/or agenda.

This credit applies to institutions with endowments of US \$1 million or larger. Institutions with endowments totaling less than US \$1 million may choose to omit this credit.

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

## Does the institution have a committee on investor responsibility or similar body that meets the criteria for this credit?

:

No

## The charter or mission statement of the CIR or other body, which reflects social and environmental concerns, or a brief description of how the CIR is tasked to address social and environmental concerns :

due to the limited size of the endowment, there is no special attention to sustainability issues in investments. The majority of foundation funds are in mutual funds.

## Members of the CIR, including affiliations :

<http://www.nwmissouri.edu/alumni/giving/investment.htm>

<http://www.nwmissouri.edu/alumni/foundation/members.htm>

**Recent examples (within the past 3 years) of CIR actions :**

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

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# Shareholder Advocacy

## Criteria

There are two possible approaches to earning this credit.

1) Institution filed or co-filed one or more shareholder resolutions that address sustainability or submitted one or more letters about social or environmental responsibility to a company in which it holds investments, during the previous three years.

and/or

2) Institution has conducted a negative screening of its entire investment pool within the last three years. This could take the form of prohibiting investment in an industry (e.g. tobacco or weapons manufacturing) or participating in a divestment effort (e.g. companies operating in South Africa during apartheid). The negative screen includes selling all but \$2,000 or less of the affected direct holdings and writing a letter to all fund managers encouraging them to remove affected holdings as well.

Institutions for which investments are handled by the university system and/or a separate foundation of the institution should report on the shareholder advocacy activities of those entities.

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

# Positive Sustainability Investments

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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## Criteria

Institution invests in any of the following:

- Sustainable industries, such as renewable energy or sustainable forestry
- Businesses selected for exemplary sustainability performances
- Sustainability investment funds, such as a renewable energy investment fund
- Community development financial institutions (CDFI)
- Socially responsible mutual funds with positive screens.

Investment in a socially responsible mutual fund with only negative screens (i.e. one that excludes egregious offenders or certain industries, such as tobacco or weapons manufacturing) does not count for this credit.

Institutions for which investments are handled by the university system and/or a separate foundation of the institution should report on the investment policies and activities of those entities.

---

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

## Total value of the investment pool :

25000000 US/Canadian \$

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

0 US/Canadian \$

## Value of holdings in businesses selected for exemplary sustainability performances :

0 US/Canadian \$

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

0 US/Canadian \$

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

0 US/Canadian \$

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

0 US/Canadian \$

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

The Foundation does not have a sustainability focused investment policy.

<http://www.nwmissouri.edu/alumni/giving/endowment.htm>

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

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## Student-Managed Sustainable Investment Fund

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

# Sustainable Investment Policy

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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

**Does the institution have a policy, practice or directive to consider the social and/or environmental impacts of investment decisions, in addition to financial considerations? :**

No

**A brief description of the sustainable investment policy :**

NA

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

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# Investment Disclosure

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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

**Does the institution make a snapshot of its investment holdings, including the amount invested in each fund and/or company and proxy voting records, available to the public? :**

Yes

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

Our financial information can be accessed through

[GuideStar.org](http://www.guidestar.org)

and the Northwest Foundation Inc. mission, goals, and investment guidelines are available at [Nwmissouri.edu](http://nwmissouri.edu).

**The website URL where information about investment disclosure available :**

<http://www.guidestar.org/>

# 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.

<b>Credit</b>
Community Sustainability Partnerships
Inter-Campus Collaboration on Sustainability
Sustainability in Continuing Education
Community Service Participation
Community Service Hours
Sustainability Policy Advocacy
Trademark Licensing
Graduation Pledge
Community Service on Transcripts
Farmers' Market

# Community Sustainability Partnerships

## 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.

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

# Inter-Campus Collaboration on Sustainability

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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## Criteria

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

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

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

No

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

na

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

na

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

na

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

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# Sustainability in Continuing Education

## 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.

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

# Community Service Participation

## Criteria

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

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

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

# Community Service Hours

## Criteria

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

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

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

# Sustainability Policy Advocacy

## Criteria

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

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

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

# Trademark Licensing

## Criteria

### *Part 1*

Institution is a member of the Fair Labor Association or Worker Rights Consortium.

### *Part 2*

Institution has signed on to participate in the Designated Suppliers Program.

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

# Graduation Pledge

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

# Community Service on Transcripts

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

## Farmers' Market

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

# Innovation

## Innovation

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

Credit
Innovation 1
Innovation 2
Innovation 3
Innovation 4

# Innovation 1

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## Responsible Party

**John Viau**  
Sustainability Coordinator  
Facility Services

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## Criteria

- 1) Innovation credits are reserved for new, extraordinary, unique, groundbreaking, or uncommon outcomes, policies, and practices that greatly exceed the highest criterion of an existing STARS credit or are not covered by an existing STARS credit.
  - 2) In general, innovation credits should have roughly similar impacts or be on the same scale as Tier One credits.
  - 3) The innovative practice, policy, program, or outcome should have occurred within the past three years.
  - 4) The innovative practice or program has to be something that the institution has already done; planned activities do not count.
  - 5) An institution can only claim a particular activity as an innovation credit once. When re-submitting for a STARS rating, an innovation credit that the institution submitted previously cannot be re-submitted.
  - 6) Practices, policies, and programs that were once considered innovative but are now widely adopted (e.g. being the first institution to enact a policy 20 years ago that is now common) may not be claimed as innovation credits.
  - 7) Multiple activities or practices whose sum is innovative can be considered for an innovation credit as long as those activities or practices are related. For example, three innovative waste reduction programs in research laboratories could be listed together under a single innovation credit for Greening Laboratories. Listing a series of unrelated accomplishments or events under a single innovation credit is not accepted.
  - 8) While the practices that led to receiving an award may be appropriate for an innovation credit, winning awards and/or high sustainability rankings in other assessments is not, in and of itself, grounds for an innovation credit.
  - 9) Outcomes, policies, and practices that are innovative for the institution's region or school type are eligible for innovation credits.
  - 10) When the innovation is part of a partnership, the summary provided must clearly describe the institution's role in the innovation.
- 

### Submission Note:

I'm not sure how to share this information, so attached is our draft sustainability report/plan that will be out July 1st. This is only a draft, but it contains everything we've done for the past year.

I feel strongly about our color coding and front of the house composting.

Another is the incredible progress we've made in waste management.

Lastly, the fact that the University has committed actual resources in response to a number of small scale energy efforts. I hope this all makes it through.

With students, faculty, and staff numbering more than 7,500, over 250 acres of land containing the Missouri Arboretum, a working farm, a nationally recognized biomass alternative fuel program, and more than 90 buildings across our community, Northwest Missouri State University has a significant environmental presence in our region. The University recognized the importance of developing a comprehensive sustainability plan in early 2011 when the Sustainability Office was created within the Facility Services Department. Beyond managing its own environmental impact, Northwest also recognizes its responsibility to educate students to understand the interdependencies between environmental, social, and economic forces, and provide them with the skills and abilities to meet the challenges they present.

#### Sustainability at Northwest

Goal: Maximize resource outcomes in University operations.

- Are we allocating current resources to best serve our mission?
- Are we economizing without compromising?
- Are we operating in an economical, social, and environmentally responsible way?

Goal: Take every opportunity to Innovate and Educate.

- “Green” is a global opportunity for student success!
- As Sustainability Issues move higher on political and business agendas, we will prepare graduates for their economic, social, and environmental impact.
- Environmental practices are increasingly used to determine funding and or award.

Northwest is committed to protect and enhance the campus and community, and work toward the reduction of its overall environmental impact. We are working to conserve natural resources through improved campus operations, and to pursue both established and innovative technologies to reach our sustainability goals. Northwest has engaged its students and community to increase awareness and promote sustainability and environmental stewardship. The University will promote, support, and encourage City of Maryville initiatives in affordable housing, downtown redevelopment, economic development, and other sustainability goals. Since 2011 the University has worked with students, faculty, and staff to assess and improve current sustainability initiatives, as well as identify the greatest opportunities for operational efficiencies. The main opportunities to be addressed by the University’s Sustainability Action Plan are in Energy, Education and Civic Engagement, and Waste Management. Since January 2011, Facility Services has continued to improve and innovate despite growing budgetary constraints, and has made marked improvements in all three areas during the 2011-2012 academic year.

#### ENERGY

In the area of Energy, over the past year improvements in conservation have come in several forms. Our campus-wide re-lamping effort is on-going, and will conclude the fiscal year with a high rise lighting retrofit that will save the University as much as \$40,000 per year in utilities. This project was awarded an \$18,000 KCP&L grant that will offset some of the project costs and make more funds available for future projects.

Facility Services has continued to increase the number of buildings equipped with electricity sub- meters that allow electricity consumption to be more accurately monitored. Northwest is currently reviewing technologies to be incorporated into current operations and future retrofitting projects, including LED and induction lighting. We plan to introduce a range of retrofit projects that will be incorporated into our long-term and short-term capital improvements. We also continue to adjust and revisit past energy initiatives as we move forward; including building HVAC temperature set points, actual lighting need assessment, day-lighting, automated sensor installation, summer camp schedules that allow entire buildings to be shut down, and providing support to students groups interested in resource conservation. Each incremental step taken is evaluated and revised to best suit the current and future needs of the University and its students.

Northwest, like other members of the Maryville community, has experienced significant increases in utility costs over the past several years. According to City Officials, with the passing of the waste water treatment bond in April 2012, customers will experience an

estimated 30-40% water/sewer increase in 2013 as the City opens a new sewage treatment plant to comply with more stringent EPA and MoDNR regulations. KCP&L has also requested a 15% rate increase for electricity that will increase University expenses even further. Even with only a 10% increase in electricity, and 30% increase in water/sewer, Northwest is likely to experience a \$500,000 utility increase in 2012-2013. Improving energy management is the single-most important operational sustainability goal at Northwest. How we consume, monitor, conserve, and produce energy has to be examined and understood in the context of how it impacts us economically, socially, and environmentally. The University recognizes that a considered and comprehensive energy plan is necessary to not just survive a shrinking budget, but to put into place and maintain the infrastructure necessary to educate our students.

The Facility Services Boiler Plant alternative fuels program, with the support of the Pellet Plant operation, continues to offset the University's rising energy costs, but is not immune to increases in operational expenses and reduced funding. What began in 1982 as the use of industrial wood scrap as a means to fire our boilers has expanded over the past 30 years to include the use of waste paper for making fuel pellets, the patenting of a process to incorporate animal waste into fuel pellets, and the exploration of new and innovative alternative fuel technologies. Waste paper collection began in 1992 and Northwest has continuously developed and enhanced its supporting infrastructure. From the construction of the Pellet Plant, to the installation of recycling containers throughout campus; the University considers recycling a key to the sustainability of its Alternative Fuels program.

With the implementation of the Facility Service's 2012 reorganization, the Pellet Plant operation will become part of waste management; which will not only increase efficiencies, but allow Northwest to pursue a comprehensive plan for solid waste, alternative fuel production, and recycling. In 2011, the paper collected from campus totaled more than 378,000 lbs, while community and industrial partner contributions totaled over 1.9 Million lbs. In addition to paper, the Pellet Plant also processed over 1 Million lbs of pallets and untold amounts of scrap wood and Arboretum Waste. In 2011, the Northwest Pellet Plant processed more than 3.2 Million lbs of material for use in the Power Plant which produced over 223,000 MmBtu of energy or roughly 58% of all the energy consumed by the University.

Northwest's most substantial energy investment to date begins July 1, 2012 with the transformation of our Facility Services operation to include a committed Northwest Energy Manager with the focus and full resources of ARAMARK's Engineering Solutions division. As part of the Facilities Management Agreement, they will be helping Northwest to develop a comprehensive energy management operation that will not only provide the greatest opportunity for environmental stewardship, conservation, and savings, but will help guide the University's biomass alternative fuel program into the future. The plan currently under development will provide comprehensive energy data analysis, procurement support, energy waste reduction, and long-term program success through training, procedural improvement, and community involvement in energy conservation efforts.

Under the University's new agreement, Facility Services will also seek to improve long-term energy efficiency through Capital Project Management. Additional progress in Energy will be made with the installation of an Engineering Solutions supported Capital Projects Manager at the University. Energy is an essential part of a comprehensive capital plan for operational sustainability, because statistics show that as much 45% of all energy generated globally is used to heat, light, and ventilate buildings.

As part of the University's overall sustainability efforts, the Facility Services Energy Management, Project Management, and Sustainability Offices will:

- Begin the process of conducting a formal Carbon Footprint Analysis
- Develop Infrastructure to get real-time data on energy and resource consumption to our stakeholders.
- Provide a framework for a sustainable infrastructure that best supports our mission.
- Work to offset utility increases without negatively impacting operations.

## EDUCATION AND CIVIC ENGAGEMENT

Northwest Missouri State University focuses on student success, every student, every day. The pursuit of that mission has increasingly involved sustainability. Beginning in early 2011 Northwest participated with the Sierra Club Cool Schools Survey, and the Sustainability Office began reaching out to share our long-standing program successes while looking for opportunities to move toward a robust sustainability program that best fits the organization and its stakeholders. Due to budgetary constraints, Northwest made the decision to take a less formal, yet no less meaningful approach to benchmarking its sustainability efforts; finding a number of opportunities to enhance, track, and report its overall efforts without additional operating cost.

Nationally: Northwest became an EPA WasteWise Partner at the beginning of the 2011-2012 academic year. This program allows us to track our waste management efforts utilizing proprietary software made available to Partners for free. EPA WasteWise is also developing a Sustainability Partnership program for higher education that will provide the support needed for partners to focus their financial resources on action, not administration. The USDOE Energy Star program enables its partners' commitment to efficiency and conservation to access free reporting software, acquire Energy Star certification for entire buildings, and gain national recognition of its efforts. The capital investment required for Energy Star is the only limiting factor; however, the University's energy pursuits over the coming years will likely result in a relationship that will provide both recognition and opportunity for outside support. Northwest also began a relationship with AASHE (The Association for the Advancement of Sustainability in Higher Education) to stay informed and connected to university sustainability programs at more than 1100 institutions across the US and the world. In 2012 we will likely pursue full AASHE membership to take advantage of its benchmarking resources, networking tools, and its internationally recognized status as a third-party sustainability reporting and verification partner.

State: The Sustainability Office also sought to strengthen long-standing relationships with organizations within the State of Missouri. As a Chapter 34 school, Northwest operates more closely with Jefferson City with regard to purchasing regulations, which touches every aspect of University operations. A renewed involvement with the State Interagency Recycling Committee resulted in state funding for Northwest's membership in The Missouri Recycling Association, increased State Recycling Office administrative support, and ultimately led to Northwest being positioned to become the first university to receive the State Recycling Award in November 2011. That award recognized the University for assisting the City of Maryville in securing a grant and implementing its Community Recycling Program in 2010. Since opening these sites in February 2011, Landscape Services has collected more than 40 tons of paper and glass from three locations around the city. This is a cooperative effort to bring recycling back to the community after more than 10 years, decrease landfill waste, and expand Northwest's alternative fuels paper collection.

Stakeholders: Wikipedia defines Civic Engagement as: "Individual and collective actions designed to identify and address issues of public concern". In recent years, sustainability has become an integral part of industry, education, and society as a whole. Northwest decided to go beyond its traditional programs (Alternative Fuels, Recycling, and Environmental Preservation), to enter the mainstream effort to create a world that provides for needs of today without compromising its ability to meet the needs of tomorrow. Every program and associated effort must be for our students. Northwest recognizes the benefit of peer education and the establishment of effective living-learning environments. Facility Services entered the SOAR program for the first time in the summer of 2011. Incoming freshman and their parents were engaged at every SOAR event to not only learn of Northwest's past commitment to the environment, but they were extended an invitation to participate in its renewed efforts. By the end of SOAR, more than 30 students had signed up to help bring the University's sustainability goals to reality. That ground floor opportunity culminated in the foundation of STANDS (Students Taking Action at Northwest for Developing Sustainability), a group of student volunteers that has helped Facility Services reach out to students and the community through programming. Students are the primary connection to the City of Maryville, impacting every aspect of the community. A student body that is engaged in the community and committed to sustainability is a student body that will most positively impact University- City relations. Outreach and participation begins on campus, and carry on well beyond graduation. There were a number of programming first in 2011, but that is just the beginning.

- Homecoming 2011: "Once Upon a Landfill" STANDS entered the parade displaying a trailer full of the first batch of finished food service compost and also a Community Recycling bin. The students passed out T shirts and candy and also collected some recyclables along the way. The student-designed STANDS shirts for this program were provided through a \$500 grant from our management partners at ARAMARK.

- Greeks Go Green/ Game Day Challenge/ America Recycles Day: The 4 week GGG program teamed fraternities and sororities together to compete in a first ever recycling contest. Over the course of 4 weekly Saturday morning weigh-ins, students collected over 8,000 lbs of recyclables. The contest ended at the EPA WasteWise Game Day Challenge event where over 40 students collected recyclables at the Bearcat Stadium tailgate and ran an "I Pledge" to recycle booth during the game. The winning organization was recognized on America Recycles Day at the opening of the University's new east side recycling drop-off location. The ■■■■ fraternity came in 1st and received a trophy made from recycled materials.

- **RecycleMania:** In 2012 Northwest entered the competition between more than 600 colleges and universities across North America in Food Service Organics (44th overall) and Cans & Bottles (64th overall). During the eight week competition Northwest diverted more than 34,400 lbs of food waste from the landfill. The Sustainability Office received a \$300 grant from Keep America Beautiful to fund promotional efforts on campus. While there were no first place trophies for our first year back in the competition since 2008, it should be noted that of the Missouri universities competing in the Food Service Organics, Northwest is #1.

- **Big Green Move Out:** This year, Northwest partnered with BBBS of Nodaway County to help address a sustainability issue facing every college and university. On average, the University's monthly waste sent to the landfill increases more than 19 tons in the final month of the academic year. This increase is due in large part to students leaving campus for the summer. The University placed bins in every residence hall lobby, set up a special drop-off location to promote off-campus participation, and asked students to donate their good used clothes and small household items to the community. This program promotes environmental stewardship while assisting the less fortunate in the community. According to BBBS, as much as 75% of Big Brothers and Big Sisters in Nodaway County are Northwest students.

These outreach programs were chosen by The Facility Services Department because of their limited budgetary requirements, and the fact that they were based on the work of student classroom group projects that were commissioned by the University Recycling Committee in 2010 to improve student participation. The initial request to faculty was for a student project team to evaluate recycling opportunities on campus; which was completed and passed to the next team to provide implementation strategies. The final recommendations included improved communication through the web site, student programming, use of volunteers and social media, and the use of clearly marked and visible recycling bins. The Sustainability Office began to apply these strategies in recycling as a low cost-high visibility means to demonstrate the University's commitment to the overall sustainability program. The bin refurbish plan adopted by the University, which will total close to \$15,000 when completed, will update our aging recycling infrastructure for less than 10% of replacement cost.

Educational opportunities were provided through Freshman Seminar presentations with topics ranging from the Tradition of Sustainability at Northwest, Sustainability Defined, "The Story of Stuff", and Sustainable Living. Meetings were held to introduce sustainability to departments and organizations across campus. Meetings were also held with the chair of Faculty Senate, as well as each member of the Northwest Leadership Team to help identify the individuals and groups key to developing a sustainability plan that made sense for Northwest. Presentations were made to a number of stakeholder groups such as The Student Senate, Administrative Professionals Council, Support Staff Council, Computing Services, Residential Life, and The Missouri Academy among others. There has been an ongoing effort across academic departments at the University to provide students with "real world" experience within their majors. Faculty and staff have been able to commission student groups to implement a wide variety of projects to assist in the implementation of University programs; these include survey data collection and analysis, marketing and outreach, branding opportunities, agricultural research, and feasibility studies to name a few.

During the course of the 2011-2012 academic year, a directed graduate project was commissioned by the Director of Landscape Services for the creation of a web-based Waste Materials Tracking and Reporting System software application. The renewed focus on recycling and materials handling requires data to be accurately collected and made available to our stake holders. The students who created the Sustainability Management program team, not only completed the software project to the exact specifications and requirements of the University; they were recognized in KCP&L's 2012 Computer Technology Research Competition, where they took second place.

Student engagement is perhaps the most critical part of creating a sustainability program that will have the greatest long-term affect on the University's mission. The Sustainability Office continues to balance the ideas and environmental goals of students, faculty, and staff, with the operational needs of campus. It is that collaborative effort that will help shape the future of Northwest. At this point, the groundwork has been laid for establishing a Sustainability Steering Committee that will help guide a strategic sustainability effort, and help to support a series of initiatives that can be carried out simultaneously. This committee will be composed of working groups of stakeholders throughout the organization and community. The goal of each working group will be to identify long-term sustainability objectives within seven established and internationally recognized areas of environmental impact that best match the mission and operational needs of Northwest. The following categories will continue to be shaped and reshaped as we move forward:

## 1. Energy Use and Conservation

- o Alternative fuels development and sourcing
- o Greenhouse gas inventory to establish baseline data for tracking
- o Energy plan for renewable energy use
- o Transportation fleet composition and fuel options

## 2. Natural Resource Management

- o Land Use
  - landscaping and green space development
  - agriculture and farming
  - trails and recreation
  - community garden
- o Water Conservation and Management
  - water system infrastructure and gray water systems
  - weather-linked irrigation and watering
  - residential conservation measures
  - metering improvements

## 3. Built Environment

- o LEED® Certification or equivalency
  - conservation
  - renewable energy sources and materials
  - best practices
- o Facility Services capital improvement green guidelines
- o Improved metering
  - Waste water credit
  - Real-time utility monitoring
- o LAB21® CERTIFICATION OR EQUIVALENCY
  - air quality and laboratory equipment
  - chemical storage and handling

## 4. Waste Management

- o Community outreach and cooperation
- o Expanded compost efforts
- o Farm waste and fertilizer use
- o Hazardous waste management
- o Paper collection and use strategies
- o Waste stream assessment and monitoring

## 5. Campus Living

- o Green food service operation
  - locally grown and organic options
- o Sustainable event guidelines
- o LIVING LEARNING COMMUNITIES
  - Green living / Sustainability floor
  - Environmental advocates and peer educators
  - Environmental research with residence halls as living laboratories
- o Health and wellness for a Sustainable U

## 6. Purchasing and Departmental Operations

- o State regulatory compliance
- o Sustainable purchasing strategies
  - recycled content rules
  - green vendor and packaging requirements
  - lifecycle examination
- o Greening departmental operations
- o Finance and funding options

## 7. Outreach, Academics, and Communication

- o GIS and sustainability systems
- o Sustainability forums
- o Soar programming/displays
- o Ambassador training
- o Grants assistance for community
- o City and regional collaboration
- o Feasibility and research assistance

The most positive impact of our 2011-2012 outreach effort has been the campus-wide recognition of Northwest's commitment to sustainability, increased student participation in recycling, and the expanding University staff support of our sustainability goals. Among those outcomes, the greatest outreach success this year is the Northwest Student Senate adoption of a per credit hour student fee for Sustainability; an unsolicited affirmation of our students' dedication to their future as part of the global community.

This new funding will provide for the continuation of current efforts and the pursuit of new or previously unfunded initiatives;

- Water bottle fill-stations in more locations across campus.
- The development of peer education opportunities for students.
- The promotion of living learning environments focused on sustainability.
- Comprehensive waste plan development.
- Greening University events and venues.
- Pursuing educational opportunities for all stakeholders through increased programming and outreach.
- Support for the implementation of the University's Energy and Capital Planning programs.

## WASTE MANAGEMENT

Changes to trash hauling evolved in 2011-2012 into the foundation of a comprehensive waste management operation. In light of the myriad opportunities identified throughout the year, the 2012 organizational restructuring locates the entirety of Northwest's materials handling into the University Pellet Plant. Under the initial plan Hardscape and the pellet operation will merge, incorporating trash collection, fuel pellet production, local paper collection, pallet and scrap wood processing, landscaping and road materials storage, recycling, and compost production into a central location. Since 2011 an effort has been made to streamline these two related segments of the Facilities operation. Beginning with the evaluation and rework of trash hauling on campus, Hardscape began to adopt a more comprehensive view of waste management. So far, this approach has been instrumental to this year's progress and holds considerable promise to make waste management an operation capable of offsetting significant University costs. Environmental stewardship is integral to our sustainability goals, and the support of our waste management staff has made it possible for the University to reduce fuel costs, tipping fees, and lessen its overall environmental impact in a very short period of time.

In 2011 Northwest generated a total of 1,920,000 lbs. of solid waste, a 2.3% increase over 2010; however, the total amount of waste sent to the landfill actually decreased by 7.2% (1.5 million lbs. 2010 v. 1.4 million lbs. 2011). The University collects waste from campus every day and hauls it to the Maryville Transfer Station M-F throughout the year. Northwest tips an average of 7,300 lbs per visit, and at \$52.50 per Ton, averages a cost of \$192 per trip.

It is these costs that have driven Facility Services to evaluate its methods and work to expand composting and recycling. In an effort to

improve its methods and evaluate the University's compost and recycling programs, Landscape Service's Hardscape team conducted a comprehensive waste audit in early 2012. Three full sorts were completed to cover the main types of waste found on campus; Residential, Commercial, and Food Service. Initial findings indicate that the opportunity exists for Northwest to eventually achieve an 80-90% campus waste diversion rate; also shedding some light on the viability of maintaining current recyclables sorting efforts and identifying additional opportunities to improve our collection and recovery processes.

Northwest's Hardscape team sorted a typical daily residence hall dumpster, the Union food service dumpster, and a 14 yd. compacting truck containing trash from all academic and support buildings.

Expanded recycling and composting on campus brought the University's overall waste diversion rate for 2011 to 26.6%; however, improvements in composting and recycling since classes began in August have raised this academic year's diversion rate to over 33%. 2011's waste diversion savings and recycling revenues totaled over \$16,900; which is equal to 45.6% of Northwest's total landfill fees.

#### Recycling:

Recycling has been part of the Northwest culture for more than 20 years. For more than 10 years Purchasing has made every effort to buy recycled products. Currently, more than 90% of all paper products on campus have some recycled content. In 2011 Northwest purchased over 16,600 reams of Sustainable Forestry Initiative certified printer and copy paper with a 30% post-consumer recycled content. Based on The Natural Resources Defense Council's statistics, Northwest's use of recycled printer paper saved over 87,000 gallons of water, over 51,000 kWh of electricity, and 290 trees. The University also purchased over 3,000,000 ft. of paper towels in 2011 for use in restrooms across campus, all of which had a minimum recycled content of 75%. Purchasing is not only responsible for buying goods for our campus; it also administers the University's central stores, good used furniture and supply, and administration of our surplus property auctions. Used items that traditionally may have once made it to the landfill are carefully sorted, cataloged, redistributed to University departments, or sold to the public. Surplus auctions in 2011 generated \$90,765 in cost savings revenue, while the good used furniture supply helped to avoid tens of thousands of dollars in new purchases.

The benefits of recycling are often argued as fervently in opposition as in support; however, Northwest's current return on investment makes the expansion of our program not only beneficial, but essential to meet current waste management goals. As University processes improve, so does the opportunity to transform former landfill costs into revenue. One important recycling improvement implemented this year is capital project demolition now being sorted and separated on site. It's estimated that the University will reclaim over 1,000 lbs. of scrap metal from the High Rise lighting retrofit alone, and will likely divert and recycle more than 5,000 lbs. of material from summer project demolition. Despite fluctuations in the recycling commodities markets, these materials are at minimum diverted from the landfill, and their associated tipping fees avoided.

Until spring 2011, plastics generated on campus were collected and sent to a recycler at a significant cost, roughly \$300 per month. The guidelines on the material accepted by this company resulted in a confused and ineffective collection effort on campus. At that time the University entered a zero cost agreement with a local recycler that significantly relaxed the guidelines and opened the door to more campus plastics being captured. In exchange for processing the waste hauler's collected glass, Northwest was provided a roll-off dumpster for plastics free of charge. During, and subsequent to this transition, Northwest began to research the possibility of capturing and selling its plastics without need for a third party. After conducting a comprehensive waste audit, Landscape Services began documenting their collections and experimenting with different methods of sorting and separating plastics for resale. That effort resulted in the transport of our first load of plastics to a Kansas City processor in March of 2012. The data collected over the past year was used as the basis for a \$14,000 Northwest Regional Solid Waste Grant for the installation of bailing equipment in the new materials handling facility (University Pellet Plant). Our ability to store recyclables gives Northwest the opportunity to minimize transportation costs by transporting our commodities when the markets provide the greatest return. Based on audit data, plastic collections could divert as much as 5% of our total landfill waste stream; which based on 2011 data, would increase captured plastics to over 100,000 lbs next year. (\$2,700 in reduced tipping fees, and potentially \$10-20,000 in recycling revenue)

Another very important recycling collection program was implemented this year throughout campus; the standardization of the colors associated with each recycled material. With the help of University Relations and the Facility Services Sign Shop, the Sustainability Office carried a concept developed by our waste management team inside the buildings on campus. Originally intended to allow stakeholders and staff to better recognize paper dumpsters from the trash, outside paper dumpsters were painted blue throughout campus. It was decided to establish colors inside the buildings as part of our bin refurbishment program, and University designers were able to create a color scheme that created high visibility and a modern look to promote increased recycling participation. Operationally, the refurbishment goes beyond aesthetics and increased participation by removing the waste element from the large receptacles. By using all four slots for only recyclables, the additional time spent by staff removing the large container top to pull trash was eliminated. Waste cans have been placed outside the bins allowing for fewer pulls and less wear and tear on staff and the equipment. At an approximate \$85 per bin, more than ten units can be refurbished for less than the cost of a single new unit. The use of laminated decals also gives the University the flexibility to easily modify the information on bins without having to replace the entire decal. Northwest Facility Services, with the assistance of Auxiliary Services, has committed funding for approximately half the cost of the project this year, and the remainder will come from next year's Sustainability Program budget. The concept was expanded to include separate colors for compost and waste in the cafeteria as well. As a result of 1st year outcomes from front of the house recycling, the waste audit, and the University's current ability to sort plastics, modifications will be made this fall in the food court. We will be adding a mixed plastics bin to each center, as well as a bin for paper products. Dining services has agreed to streamline their cups, plates, and flatware to simplify the sorting required by customers and Facility Services has agreed to modify outside collection vessels to better accommodate mixed plastics and a wider variety of non-food compostable items.

### Compost at Northwest: The Ultimate Recycling

The Sustainability Office, in cooperation with Hardscape, ARAMARK Dining Operations, Auxiliary Services, the Agriculture Department, and a group of interested students helped to establish front of the house compost and recycling this year. As part of a summer 2011 renovation, the traditional Food Court trash bins were replaced by highly visible recycling centers that also included large sinks to help customers properly dispose of their drinks and ice. It's estimated that liquid accounted for more than three tons of food service waste each week, and its removal saves the University over \$500 per month in tipping fees. Included in that renovation was the purchase and installation of more than 20 additional mobile bins to expand the back of the house operation started in 2010, the construction of a compost tipper, and the installation of a sealed collection dumpster. According to the EPA, the US generated more than 34 million lbs. of food waste 2010, 14% of all municipal waste. With a recovery rate of about 3%, 33 of those 34 million lbs. went to our nation's landfills. Since August 25th 2011, compost efforts at the University have diverted over 150,000 lbs. from the waste stream, a \$4,000 savings in tipping fees. The EPA estimates that one wet ton of food waste at the landfill produces 16.2% more methane per ton than the average wet ton of mixed solid waste. According to the EPA, Methane is 20 times more effective in trapping heat in the atmosphere than Carbon Dioxide, and the aerobic decomposition of windrow composting virtually eliminates methane emissions.

Food waste is collected by dining staff in the kitchens, dish rooms, and assorted food venues in the Student Union. The collected food waste is stored in a specially designed dumpster equipped with a barrel tipper and collected as needed throughout the week. The food is then mixed in a converted feed wagon with horse bedding from the University stable and yard waste from the Arboretum. The mix is then placed in windrows at the Northwest Research Orchard where it is monitored by the Agriculture Department and Landscape personnel. The rows are turned as needed utilizing another piece of converted farm equipment. Depending on the time of year, the average windrow mix is reduced to usable soil in about 30 days. Currently our compost is used in expanded floriculture efforts at The University Greenhouse, as well as various Arboretum grounds maintenance operations. This coming year, Northwest will begin research into closed vessel composting and the possible expansion of food waste collections into other parts of campus.

Northwest's waste management program's approach to food waste and recycling is an outstanding example of the University's commitment to continuous improvement; reflecting a mainstream approach to sustainability issues facing our society through practical and pertinent responses to the challenges we face. Our coming efforts will go well beyond the scope of our first academic year's, and

will require the input and support of all University stake holders. The goals of our sustainability plan are split into three broad areas that best reflect what we understand to be our current and future needs; however, these goals, though ambitious, will be met through Northwest's dedication to community and collaboration.

#### Energy:

- Installation of Facility Services Energy Manager
- Development of plan to increase utility monitoring in every facility
- Comprehensive review of alternative fuels operation
- Development and incorporation of energy guidelines for all renovations and new construction
- Stakeholder engagement to identify and implement conservation opportunities
- Incorporation of Energy requirements into building use and space planning efforts
- Support and implement a comprehensive Greenhouse Gas Emissions Inventory
- Support the expansion of campus re-lamping efforts
- Developing additional opportunities for use of renewable energy
- Develop a plan that prepares the University to completely offset coming utility rate increases

#### Civic Engagement and Outreach:

- Expansion of student learning opportunities in sustainability
  - o SOAR
  - o Freshman Seminar
  - o Living Learning Environments
  - o Minors, Certifications, and Cross-disciplinary Sustainability Studies
- Engagement of student leaders across campus
- Development of a sustainability peer education group
- Establish sustainability representation in faculty, staff, and student organizations on campus
- Work with the City of Maryville and other partners to foster sustainable operations
- Expand partnerships with Federal, State, and Local government
- Work with other colleges and universities to identify program ideas
- Provide clear lines of communication for stakeholders to engage in University sustainability efforts
- Support and assist the City as they seek to incorporate students more fully into the community
- Encourage student participation in sustainability efforts that will lead to a better education

#### Waste Management:

- Expansion of recycling efforts
- Establishment of a comprehensive waste management plan
- Research and identify long-term infrastructure and equipment needs
- Conduct biannual waste audit to monitor progress
- Establish recycled commodities storage area
- Develop and implement a program to limit landfill fees associated with snow and water
- Work with the Agriculture Department to determine feasibility of in-vessel composting
- Seek all available grants to assist in equipment upgrades
- Continue to streamline collection efforts in all materials handling operations
- Increase Northwest's waste diversion to 35% in 2012-13, 45% in FY 13-14, and 60% FY 14-15

Continued sustainability efforts will depend on the strategies developed by Northwest as these immediate goals are pursued and met. The establishment of a Sustainability Steering Committee is one way other universities around the globe have developed their sustainability strategies, and over the next year it is likely that a long-term sustainability action plan will require the collaboration of all stake holders.

Northwest will continue to seek the most effective ways to prepare our students while working to do so in the most cost-effective and environmentally responsible way. Innovation drives what we do, but not for the sake of innovation. The measures outlined in this report are those that were taken in an effort to meet the changing needs of the University and its students, allowing Northwest to provide outstanding educational opportunities well into the distant future. There are, and will continue to be, opportunities to rise to the challenges of our times, but we have to take a measured and strategic approach to sustain Northwest's role as a leader in higher education, in our state, and the Nation.

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

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

Transition to a uniform color system for recycling on campus as part of a comprehensive materials handling and waste management effort. Includes a low-cost long-term infrastructure improvement and opening of front of the house composting.

**A letter of affirmation from an individual with relevant expertise :**

[2012 Northwest Sustainability Report.pdf](#)

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

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## Innovation 2

### 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.

---

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, 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.
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- 8) While the practices that led to receiving an award may be appropriate for an innovation credit, winning awards and/or high sustainability rankings in other assessments is not, in and of itself, grounds for an innovation credit.
- 9) Outcomes, policies, and practices that are innovative for the institution's region or school type are eligible for innovation credits.
- 10) When the innovation is part of a partnership, the summary provided must clearly describe the institution's role in the innovation.

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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.
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- 3) The innovative practice, policy, program, or outcome should have occurred within the past three years.
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This credit was marked as **Not Pursuing** so Reporting Fields will not be displayed.

# Supplemental

## Supplemental Data

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

<b>Credit</b>
New Student Orientation
Food Education
Food and Beverage Purchases
Confinement-Free Food Purchases
Vegetarian-Fed Food Purchases
Hormone-Free Food Purchases
Seafood Purchases
Dishware
Energy Initiatives
Energy Use by Type
Procurement
Bike Sharing
Water Initiatives
Endowment
Sustainability Staffing

# New Student Orientation

## Criteria

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

---

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 its provides at its dining services locations.

---

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

# Energy Initiatives

## Criteria

Institution provides details about its energy initiatives.

---

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

## Energy Use by Type

### 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.

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

# Endowment

## Criteria

Institution provides details about its endowment.

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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).

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