



University of North Carolina at Chapel Hill

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

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

Education & Research

Co-Curricular Education

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

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

Student Sustainability Educators Program

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

Criteria

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

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

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

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

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

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

29137

Program name (1st program) :

Residential Green Games

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

8515

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

Residential Green Games is a campus-wide competition that runs from August to April. Students earn points for their residence halls by participating in sustainability-themed service projects, taking sustainability-related pledges, attending Carolina Green events, participating in sustainability-themed events withing residence halls, and designing sustainability-related bulletin boards.

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

The Office of Waste Reduction and Recycling hires and trains a part-time student intern who then educates RAs about Green Games. The RAs in turn educate resident students.

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

The paid intern is trained by Recycling Office staff. The RAs are trained in monthly meetings convened by the intern. Supporting materials are available on the Green Games website.

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

1/4 FTE

The website URL for 1st Program :

<http://owrr.facilities.unc.edu/GetInvolved/ResidentialGreenGames/HistoryandResultsArchive.aspx>

Program name (2nd program) :

Eco-Reps

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

29137

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

EcoReps are a new student group supported by the Sustainability Office. They offer half day and full day training to students interested in Carolina's high performance buildings, infrastructure, and business practices.

Following the training, EcoReps advertise their availability to give tours and either general or customized presentations. They also staff informational tables at campus events.

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

Students are recruited at orientation, Fall Fest, and through listservs.

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

EcoReps attend half or full day trainings on

- effective communications
- UNC's sustainability goals
- campus practices related to transportation, energy, water, food, and waste systems
- sustainability-related academic offerings
- high performance buildings
- event planning

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

Student intern works full time in the summer, and 1/4 time during the academic year to coordinate the program

The website URL for 2nd program :

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

Program name (3rd program) :

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

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

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

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

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

The website URL for 3rd program :

Program name (All other programs) :

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

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

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

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

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

The website URL for all other programs :

Student Sustainability Outreach Campaign

Responsible Party

BJ Tipton

Program Manager, Solid Waste Services
Facilities Services

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) :

Recyclemania

A brief description of the campaign(s) :

Recyclemania is a friendly competition and benchmarking tool for college and university recycling programs to promote waste reduction activities to their campus communities. Over a 10 week period, schools report recycling and trash data which are then ranked according to who collects the largest amount of recyclables per capita, the largest amount of total recyclables, the least amount of trash per capita, or have the highest recycling rate. With each week's reports and rankings, participating schools watch how their results fluctuate against other schools and use this data to rally their campus communities to reduce and recycle more.

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

Members of the UNC community achieved a 27.25% recycling rate, collecting 18.3 pounds of recyclables per person. The total amount recycled during the eight week contest was 739,120 pounds. The environmental benefits of these efforts are equivalent to avoiding 1,628 MTCO₂E, or taking 319 cars off the road, or the energy consumption of 141 households.

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

<http://owrr.facilities.unc.edu/GetInvolved/RecycleMania.aspx>

Sustainability in New Student Orientation

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

Criteria

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

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

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

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

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

Yes

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

Campus sustainability programs and opportunities are promoted to all new students through the “Carolina Green” Initiative during each of the major orientation events –

- The two main orientation programs for new students at UNC are CTOPS (Carolina Testing & Orientation Program Sessions), which is required for all first-year students, and TSOP (Transfer Student Orientation Program). At each session of CTOPS and TSOP, students are given a binder with information about student life at UNC. One section of this guide highlights sustainability at UNC and how to implement sustainable practices into student life while at UNC. Tables focused on Greening the Campus are staffed at both the informational and lunch events. In addition, sustainability tips can be found in the “Move In” section of the guide.
- Week of Welcome (WOW) is a multiday series of events for new students at UNC. Several WOW events partner with the Carolina Green Initiative, and are highlighted as such in the WOW Guide and event calendar.
- FallFest is a huge event two nights before the first day of classes that welcomes new and returning students and promotes student involvement on campus. Student organizations, activity clubs, and recreational sports teams set up booths to recruit new members. Free food, games, and performances attract thousands of students. The Sustainability Office and the Office of Waste Reduction and Recycling are regular participants as are student organizations focused on sustainability related topics.

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

<http://nscpp.unc.edu/>

Sustainability Outreach and Publications

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

Criteria

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

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

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

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

Yes

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

The UNC Sustainability Office's website is the central sustainability website for the University. All information about sustainable initiatives throughout the University is consolidated on this website. There are interactive online and PDF maps of sustainable features; information on high performance buildings, infrastructure, and business practices related to energy, water, waste management, transportation, and purchasing; academic information including sustainability-related course offerings and research; contacts for sustainability-related student organizations; and suggestions for adopting more sustainable behaviors. The site also provides a calendar of sustainability-related events on UNC's campus and in the surrounding community.

In 2009, a new website and logo were launched to provide a central portal to all things green at Carolina. "Carolina Green" is a "directory of all things sustainable at UNC Chapel Hill," including student government initiatives, academic departments, guidance for green events, and a wide range of campus programs and departments.

<http://carolinagreen.unc.edu/>

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

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

Does the institution have a sustainability newsletter? :

Yes

A brief description of the sustainability newsletter :

The University's Sustainability Office maintains an online newsletter via the Sustainability Listserv. "Sustainability Update" is sent out weekly and contains information about upcoming events and workshops (at campus, local, regional, and national levels), jobs and internships, sustainability news from around campus and across the state, and a sustainable tip of the week. As of May 2012, there are 2,120 subscribers.

The website URL for the sustainability newsletter :

<http://sustainability.unc.edu/NewsEvents.aspx>

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

Yes

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

Capstone Research Projects are conducted by teams of undergraduate students in their junior or senior years, either on campus or at one of the Institute for the Environment field sites in North Carolina and abroad. Topics for the projects are selected from recommendations by Community Advisory Boards and other clients and focus on a significant sustainability issue requiring broad, interdisciplinary research. The projects are a learning experience for students, a chance for them to conduct team-based research typical of professional practice, and the Institute's way of using the expertise of Carolina to help find solutions to the issues facing communities. Capstone reports are presented in an open session at the end of the semester and posted on the Institute for the Environment's website.

http://www.ie.unc.edu/for_students/courses/capstone.cfm

Knowledge Bank includes scholarly research from UNC business faculty and students on a broad range of sustainability topics including design for sustainability, microfinance, sustainable tourism, and more.

<http://www.kenaninstitute.unc.edu/cseResources/createAccount.asp>

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

http://www.ie.unc.edu/for_students/courses/capstone.cfm

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

Yes

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

The addition to Carrington Hall at the School of Nursing contains signage on sustainable building features including water-efficient plumbing fixtures, the green roof, the CO2 sensor in the auditorium, local and renewable materials, and materials that do not off gas so improve indoor air quality. The building also sports a LEED plaque from the US Green Building Council.

Dozens of buildings across campus contain signage on the water savings associated with dual flush toilets and waterfree urinals. The School of Government building contains signage related to water-efficient plumbing fixtures, recycling bins, and energy-efficient hand dryers. Three new lab buildings, with variable air volume fume hoods, have magnets on the hoods that alert users to close the sash when the hood is not in use.

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

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

Yes

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

The two main dining halls on campus, Lenoir Hall and Rams Head Dining Hall, have signs providing information about composting of food wastes, local food options, and recycling.

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

<http://www.dining.unc.edu/sustainability>

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

Yes

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

Permanent signage has been installed at several green roofs, infiltration beds, and permeable pavement parking lots. The signs provide schematics of the relevant stormwater management strategy and explain why managing stormwater is important.

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

<http://sustainability.unc.edu/Portals/Sustainability2009/Documents/2011%20Sustainability%20Report.pdf>

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

Yes

A brief description of the sustainability walking map or tour :

The Sustainability Walking Tour is a 2.3-mile loop that highlights many of the sustainable features on UNC's campus. The downloadable map, and brochures that describe buildings on the tour, are available on the Sustainability Office website.

The website URL of the sustainability walking map or tour :

<http://sustainability.unc.edu/Publications/ToursandPrintableMaps.aspx>

Does the institution have a guide for commuters about how to use alternative methods of transportation? :

Yes

A brief description of the guide for commuters about how to use alternative methods of transportation :

The Commuter Alternatives Program (CAP) guide, published by the Department of Public Safety, highlights the benefits of the program as well as providing information on availability, and how to use, alternative methods of transportation such as car/vanpooling and public transportation. Maps of Chapel Hill Transit bus lines that serve campus are included. In addition, the "Students Guide to Transportation & Parking at UNC" highlights the limited parking availability on campus and provides information about alternate modes such as park and ride, public transit, campus shuttle, bicycling, and walking. Brochures can be obtained online, at the DPS building on campus, or by calling in a request.

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

<http://www.dps.unc.edu/Parking/rules/parkingpublications/parkingpublications.cfm>

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

No

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

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

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

No

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

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

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

Yes

A brief description of this material :

Campus Sustainability Report - Every two years, UNC's Sustainability Office publishes a Campus Sustainability Report, which showcases the University's initiatives and achievements. The 2011 Report highlights progress in many areas: climate change, water management, food purchasing, research, public service and engagement, diversity, energy management, student organizations, and many more. The report is available in print and online.

The website URL for this material :

<http://sustainability.unc.edu/Portals/Sustainability2009/Documents/2011%20Sustainability%20Report.pdf>

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

A brief description of this material :

The website URL for this material :

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

material) :

A brief description of this material :

The website URL for this material :

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

A brief description of this material :

The website URL for this material :

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

A brief description of this material :

The website URL for this material :

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

A brief description of this material :

The website URL for this material :

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

A brief description of this material :

The website URL for this material :

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

A brief description of this material :

The website URL for this material :

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

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

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

Yes

The name and a brief description of each student group :

The Environmental Affairs Committee operates within the executive branch of student government. Environmental Affairs seeks to increase awareness of ways students can act in a more environmentally friendly manner, and works with the University to make campus operations more sustainable. This committee works on continuing projects such as: recycling efforts, green-energy expansion, and the use of more environmentally friendly products around campus. The Environmental Affairs committee also helps coordinate all environmental student groups at UNC. Their official mission statement is: "To collaborate with students, faculty, and staff to create a more cohesive environmental presence on campus while promoting key environmental principles, encouraging sustainable lifestyles, and facilitating improved cooperation between student environmental groups and the University."

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

- Successfully encouraged UNC to go "coal free" at its cogeneration plant by 2020
- Successfully requested the establishment of a green revolving fund to make energy efficiency investments in state appropriated buildings
- Introduced and expanded recycling in athletic facilities
- Successfully advocated for the introduction of Zimride, an online ride sharing service.

List other student groups that address sustainability :

Dozens

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

<http://studentorgs.unc.edu/>

Organic Garden

Responsible Party

Claire Lorch

Carolina Campus Community Garden
NC Botanical Garden

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

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

Yes

A brief description of the garden :

The Carolina Campus Community Garden grew out of a partnership between the UNC Employee Forum, the Center for Health Promotion and Disease Prevention, the North Carolina Botanical Garden, and the student-run Carolina Garden Co-Op. This organic garden on Wilson Street, close to the Carolina Inn, provides fresh vegetables and fruit to the lowest paid staff members at Carolina free of charge. Volunteer workdays include students, staff, faculty, and local residents.

The website URL where information about the garden is available :

<http://sites.google.com/site/uncgarden/>

Model Room in a Residence Hall

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

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

No

A brief description of the model room :

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

Themed Housing

Responsible Party

Larry Hicks

Director, Housing and Residential Education
Division of Student Affairs

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

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

Yes

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

Morrison Residence Hall houses the Sustainability Living Learning Community. Students living in this theme house seek to understand and appreciate the motivations behind and possibilities of sustainability by: exploring their own values, assumptions, and awareness regarding sustainable living and incorporating that exploration towards personal, communal, and external education and outreach initiatives.

The Sustainability Living Learning Community is structured into three areas: Educational, Community Involvement & Service, and Social Opportunities. Through weekly discussions, keeping a blog about their efforts toward living sustainably, on- and off-campus experiential opportunities, and outreach/education, students who participate in the Sustainability Community learn more about their own identity and how that identity relates to the larger global picture.

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

<http://housing.unc.edu/residence-life/living-learning-communities/sustainability.html>

The total number of residents in themed housing. :

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

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

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

Yes

A brief description of the enterprise :

The Center for Sustainable Enterprise (CSE) at UNC's Kenan-Flagler Business School provides many ways for students to get involved and gain valuable sustainable business skills, including the award-winning CSE Consulting enterprise. CSE Consulting provides consulting services to for-profit and nonprofit businesses. Rising second-year MBA students compete to participate in the program. The students make actionable recommendations specific to the individual client via an eleven-week consulting engagement that ultimately advances people, prosperity, and the planet. These projects give students practical application experience and provide exceptional research and analysis to organizations in the areas of business planning, marketing, finance, operations, and strategy related to sustainability. The CSE also collaborates with governmental and non-governmental organizations on joint research initiatives during the school year.

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

<http://www.kenan-flagler.unc.edu/sustainable-enterprise/sustainability-in-practice/consulting>

Sustainability Events

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

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

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

Yes

A brief description of the event(s) :

The University hosts many different sustainability-related events on campus throughout the year. Types of events include: speakers, panel discussions, film screenings, exhibits, awareness days/weeks, conferences, workshops, themed meals, pledge events, and more.

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

<http://sustainability.unc.edu/NewsEvents/EventsCalendar/tabid/426/Default.aspx>

Outdoors Program

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

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

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

Yes

A brief description of the program :

The University offers an Outdoor Education program, located at the Outdoor Education Center, a 20-acre wooded green space, located within walking distance of central campus, which challenges participants to reach beyond their perceived personal limits - physically, mentally and socially, fosters greater appreciation for our natural environment, and develops leadership abilities.

Many different outings are offered, all of which emphasize safety and Leave-No-Trace principles. The Expedition Program offers weekend trips across the state and region for activities such as hiking, backpacking, kayaking, and climbing. The Outdoor Leadership Series offers intensive workshops for those interested in becoming an expedition instructor. Wilderness Adventures for First Year Students offers backpacking expeditions to help give incoming students a positive personal and social transition into college.

The website URL where information about the program is available :

<http://campusrec.unc.edu/carolina-outdoor-education-center>

Themed Semester or Year

Responsible Party

Cindy Shea

Director, Sustainability Office

Facilities Services

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

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

Yes

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

Water in Our World

Drawing upon internationally recognized faculty expertise, Carolina will mobilize around water through a new two-year, campuswide academic theme. Key issues will include ensuring water is available to and safe for people around the world since that access affects their health, the economy and social development.

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

The website URL where information about the theme is available :

<http://watertheme.web.unc.edu/2012/03/21/unc-to-launch-water-theme-on-world-water-day/>

Curriculum

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

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

Sustainability Course Identification

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

Criteria

Part 1

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

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

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

Part 2

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

Part 3

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

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

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

Yes

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

Sustainability is an interdisciplinary field focusing on the dynamic relationship between the environment, economy, and society. Sustainable systems preserve and advance social equity, economic prosperity, and the healthy functioning of ecological systems now and in the future.

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

Yes

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

Initially, a group of UNC students took on the AASHE STAR's curriculum inventory project as their semester-long Environmental Capstone, a hands-on course required for Environmental Science and Studies majors and open to all students for course credit. The capstone team created a definition of sustainability and identified sustainability courses by searching UNC course bulletins and the online course search engine, and by surveying faculty members about possible sustainability related course content. Two interns for the UNC Sustainability Office then took over the project and updated the inventory using a similar methodology. The definition of sustainability was reviewed and modified by a committee of faculty and Sustainability Office staff. The course inventory was updated and refined by searching the course bulletin, departmental websites, and data from the registrar's office. Only courses actually taught during the review period are included in the inventory.

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

Yes

The website URL where the sustainability course inventory is posted :

<http://sustainability.unc.edu/Initiatives/Academics/Teaching/Courses/tabid/1087/Default.aspx>

Sustainability-Focused Courses

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

Criteria

Institution offers sustainability-focused academic courses.

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

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

The number of sustainability-focused courses offered :

116

The total number of courses offered :

7811

Number of years covered by the data :

Two

A list of sustainability-focused courses offered :

<http://sustainability.unc.edu/Initiatives/Academics/Teaching/Courses/tabid/1087/Default.aspx>

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

<http://sustainability.unc.edu/Initiatives/Academics/Teaching/Courses/tabid/1087/Default.aspx>

A copy of the sustainability course inventory :

[Total Courses Fall 2010-Fall 2012.xlsx](#)

Sustainability-Related Courses

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

Criteria

Institution offers sustainability-related academic courses.

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

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

The number of sustainability-related courses offered :

576

The total number of courses offered :

7811

Number of years covered by the data :

Two

A list of sustainability-related courses offered :

<http://sustainability.unc.edu/Initiatives/Academics/Teaching.aspx>

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

<http://sustainability.unc.edu/Initiatives/Academics/Teaching.aspx>

A copy of the sustainability course inventory :

[Total Courses Fall 2010-Fall 2012.xlsx](#)

Sustainability Courses by Department

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

Criteria

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

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

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

57

The total number of departments that offer courses :

81

A list of departments that offer sustainability courses :

<http://sustainability.unc.edu/Initiatives/Academics/Teaching.aspx>

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

<http://sustainability.unc.edu/Initiatives/Academics/Teaching.aspx>

A copy of the sustainability course inventory :

Total Courses Fall 2010-Fall 2012.xlsx

Sustainability Learning Outcomes

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

Criteria

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

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

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

The number of graduates covered by the sustainability learning outcomes :

124

Total number of graduates :

7439

A list of degree programs that have sustainability learning outcomes :

BA Environmental Studies
BS Environmental Science
BS Environmental Health Science
Masters City and Regional Planning
PhD City and Regional Planning

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

http://cf.unc.edu/ecology/undergrad_degrees.cfm

A copy of the sustainability course inventory :

Total Courses Fall 2010-Fall 2012.xlsx

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

Undergraduate Program in Sustainability

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

Criteria

Institution offers at least one sustainability-focused undergraduate major, degree program, or equivalent.

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

Concentrations within a major (e.g. a concentration on sustainable business within the business major) do not count for this credit.

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

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

Yes

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

BA Degree in Environmental Studies

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

<http://cee.unc.edu/undergraduate-studies/degrees>

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

BS Degree in Environmental Science

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

<http://cee.unc.edu/undergraduate-studies/degrees>

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

BA Degree in Geography

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

<http://cee.unc.edu/undergraduate-studies/degrees>

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

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

Graduate Program in Sustainability

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

Criteria

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

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

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

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

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

Yes

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

Master's Degree Program in City and Regional Planning

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

<http://planning.unc.edu/academics/masters>

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

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

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

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

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

Sustainability Immersive Experience

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

Criteria

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

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

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

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

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

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

Yes

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

- Sustainable Triangle Field Site (STFS)

The STFS gives students the opportunity to pair academic studies related to sustainability with practical experience on and near the UNC campus. Through course work, Capstone team projects, a speaker series, field experiences, seminars, and internships students gain an understanding of how communities, industries, government and nonprofit organizations can work together toward a sustainable future.

- Summer Program in Cambridge, England

This summer program focuses on the relationship between environmental quality, energy systems and regional economic development. The program is conducted in alliance with the Carbon Reduction (CRed) project at the University of East Anglia. Courses include subjects in Energy and Material Flows in the Environment and Society and Risk Assessment.

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

http://www.ie.unc.edu/for_students/field_sites/index.cfm

Sustainability Literacy Assessment

Criteria

Part 1

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

Part 2

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

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

Has the institution conducted a sustainability literacy assessment? :

No

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

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

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

A brief description of how the assessment was developed :

A brief description of how the assessment was administered :

A brief summary of results from the assessment :

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

Incentives for Developing Sustainability Courses

Criteria

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

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

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

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

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

A brief description of the program(s) :

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

The website URL where information about the program is available :

Research

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

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

Sustainability Research Identification

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities 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? :

Yes

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

Sustainability research at UNC is focused on sustainability as it is defined here: "Sustainability is an interdisciplinary field focusing on the dynamic relationship between the environment, economy, and society. Sustainable systems preserve and advance social equity, economic prosperity, and the healthy functioning of ecological systems now and in the future."

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

Yes

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

The sustainability research inventory was completed initially by a group of five undergraduate UNC students working on their Environmental Capstone Project. Creating the inventory involved hours of using searchable databases, primarily RAMSeS and Collexis, to sort through UNC research programs to find sustainability-related initiatives. The capstone team also used departmental websites and personal contact with UNC faculty to gather information on sustainability research. This data was revisited in 2012 using the RAMSeS and ReachNC databases.

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

Yes

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

<https://sustainability.csit.unc.edu/Initiatives/Academics/Teaching/Research/tabid/1161/Default.aspx>

Faculty Engaged in Sustainability Research

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities 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 :

339

The total number of faculty members engaged in research :

3431

Names and department affiliations of faculty engaged in sustainability research :

<https://sustainability.csit.unc.edu/Initiatives/Academics/Teaching/Research/tabid/1161/Default.aspx>

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

<https://sustainability.csit.unc.edu/Initiatives/Academics/Teaching/Research/tabid/1161/Default.aspx>

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

[Faculty Directory.xlsx](#)

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

Cindy Shea

Director, Sustainability Office
Facilities 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.

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

The total number of academic departments that conduct research :

220

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

151

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

<https://sustainability.csit.unc.edu/Initiatives/Academics/Teaching/Research/tabid/1161/Default.aspx>

aspx

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

<https://sustainability.csit.unc.edu/Initiatives/Academics/Teaching/Research/tabid/1161/Default.aspx>

aspx

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

[Faculty Directory.xlsx](#)

Sustainability Research Incentives

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities 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? :

Yes

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

The Developing Energy Leaders Through Action (DELTA) internships promote the development of a skilled workforce of trained professionals in energy fields. DELTA is made possible through federal ARRA funding, which has been administered to the UNC Institute for the Environment through the North Carolina State Energy Office.

The Institute for the Environment at UNC supports a group of Environmental Fellows including Progress Energy Graduate Fellows, Carolina Energy Fellows, and the Institute for the Environment Fellows. During the fellowship each student conducts research in a topic related to energy, sustainability, and/or the environment and is provided with a stipend, tuition, and graduate health benefits. Current topics include land use and transportation practices, nuclear technology innovation, solar fuel cells, and air craft emission standards.

The Weiss Urban Livability Program supports graduate students to conduct research in "urban livability", focusing on ways to improve the environmental and social quality of life in contemporary communities. Weiss fellows are given financial as well as professional support and growth. There are about 10 Weiss Fellows each year that are chosen by the Weiss Fellowship Board, consisting of mentors from many departments that work with the students throughout the year.

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

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

http://www.ie.unc.edu/for_students/internships.cfm

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

Yes

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

The Energy Frontier Research Center (EFRC) in Solar Fuels and Next Generation Photovoltaics is a consortium of researchers at UNC, Duke, NC State, the University of Florida, NC Central and the Research Triangle Institute. The EFRC currently funds in part 29 faculty members (22 at UNC), 14 Postdoctoral Fellows (7 at UNC) and 30 Research Assistants (25 at UNC). Research conducted at the EFRC focuses on developing and improving methods of collecting, transferring, and converting solar energy into chemical fuels.

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

<http://www.efrc.unc.edu/>

Interdisciplinary Research in Tenure and Promotion

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

Criteria

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

Submission Note:

<http://academicplan.unc.edu/>

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

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

Yes

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

One of the primary themes in the 2011 Academic Plan is the need for more "interdisciplinarity in teaching, research, and public engagement." "The University's commitment to interdisciplinary faculty endeavors in research, teaching, and engagement should inform its promotion and tenure decisions."

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

<http://provost.unc.edu/opportunities/appointment-promotion-and-tenure-committee>

Operations

Buildings

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

Credit
Building Operations and Maintenance
Building Design and Construction
Indoor Air Quality

Building Operations and Maintenance

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities 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
-

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

Total building space that meets "Eligible Buildings Criteria" :

18149980 *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 :

18149980 *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 :

STARS Reporting Tool | AASHE | Sierra Magazine

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://maps.unc.edu/guidelines.asp>

An electronic copy of the guidelines or policies :

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

2007

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

staff in energy management, building services, housekeeping, grounds, design and construction services, facilities planning, energy services, environment, health and safety, sustainability

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

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

Building Design and Construction

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities 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" :

826903 *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 :

36268 Square Feet

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

<http://www.fpc.unc.edu/Policies/DesignConstructionGuidelines/tabid/922/Default.aspx>

An electronic copy of the guidelines or policies :

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

2007

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 :

North Carolina Botanical Garden Education Center

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

Responsible Party

Mary Beth Koza

Director

Environment, Health & Safety

Criteria

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

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

Occupied building space covered by an indoor air quality plan, policy, and/or practices that include regular auditing or monitoring and a mechanism for occupants to register complaints :

18149980 *Square Feet*

Total occupied building space :

18149980 *Square Feet*

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

The Department of Environment, Health & Safety (EHS) developed an Indoor Air Quality Policy that was approved in 2002. UNC is committed to providing a work environment free of recognized hazards. Review of the Indoor Air Quality Policy is performed annually and updated if needed based on emerging practices and procedures.

Building occupants can submit a Request for Indoor Air Quality Investigation form, which is available online. If warranted, an EHS Industrial Hygienist will conduct an initial on-site IAQ investigation to evaluate the site/work area and building for probable sources of contaminants.

If necessary a Phase II IAQ investigation will be conducted to provide more detailed information regarding the nature of the problem.

EHS prepares written reports of investigation results and proposes remedial measures as required.

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

<http://ehs.unc.edu/ih/iaq.shtml>

Climate

This subcategory seeks to recognize institutions that are measuring and reducing their greenhouse gas emissions. Global warming is expected to have myriad negative impacts throughout the world, including increased frequency and potency of extreme weather events, sea level rise, species extinction, water shortages, declining agricultural production, and spread of diseases. The impacts are expected to be particularly pronounced for poor communities and countries.

Credit
Greenhouse Gas Emissions Inventory
Greenhouse Gas Emissions Reduction
Air Travel Emissions
Local Offsets Program

Greenhouse Gas Emissions Inventory

Responsible Party

Eric Ripley
Greenhouse Gas Specialist
Energy 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.

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

The website URL where the GHG emissions inventory is posted :

<http://www.climate.unc.edu/>

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

Yes

Does the inventory include emissions from air travel? :

Yes

Does the inventory include emissions from commuting? :

Yes

Does the inventory include embodied emissions from food purchases? :

No

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

No

Does the inventory include emissions from solid waste disposal? :

Yes

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

Yes

If yes, please specify :

Energy Sales

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

Yes

If yes, please specify :

Landscaping

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

Yes

If yes, please specify :

Mass Transit

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

If yes, please specify :

Greenhouse Gas Emissions Reduction

Responsible Party

Eric Ripley
Greenhouse Gas Specialist
Energy 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.

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

Scope 1 and 2 gross GHG emissions, 2005 :

532454 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 :

7371

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

25402

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

5438

Scope 1 and 2 gross GHG emissions, performance year :

457030 *Metric Tons of CO2 Equivalent*

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

0 *Metric Tons of CO2 Equivalent*

Carbon offsets purchased, performance year :

0 *Metric Tons of CO2 Equivalent*

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

Jan 1-Dec 31, 2009

On-campus residents, performance year :

8808

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

26814

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

5497

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

Jul 1, 2009 - June 30, 2010

Air Travel Emissions

"---" 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? :

A brief description of the policies and/or programs :

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

Local Offsets Program

Responsible Party

Eric Ripley
Greenhouse Gas Specialist
Energy 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? :

Yes

A brief description of the program :

UNC Chapel Hill is working collaboratively with Orange County to capture the methane in the Orange County landfill and convert it to electrical energy. UNC will gain carbon credits for capturing this methane, which is many times more potent than carbon dioxide as a greenhouse gas.

The installation of a methane gas collection and flaring system began in November 2010 and will be operational in July 2011. In the second phase, UNC will pipe the landfill gas to a generator for producing electricity to power its complex of buildings along Airport Drive.

The website URL where information about the program is available :

<http://uncnews.unc.edu/images/stories/news/campus/2010/unc%20landfill%20gas%20dedication%20handout%20ver%2002.pdf>

Dining Services

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

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

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

Food and Beverage Purchasing

Responsible Party

Will Bryant

Sustainability Coordinator
Carolina Dining Services

Criteria

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

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

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

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

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

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

29

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

- Seasonal food and menus are offered in both residential dining halls and Lenoir Mainstreet. Menus reflect which local produce is in season and readily available.
- Local food purchases account for nearly 25 percent of CDS' monthly purchases.
- Purchase food from approximately 30 local vendors and 20 local processors, all of which are within 150 miles from campus.

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

<http://www.dining.unc.edu/Sustainability.aspx>

Responsible Party

Will Bryant

Sustainability Coordinator

Carolina Dining Services

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

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

:

Yes

A brief description of the trayless dining program :

The University went trayless in both dining halls in 2007.

List the year the program was started :

Oct. 22, 2007

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

100

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

100

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

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

The website URL where information about the program is available :

<http://www.dining.unc.edu/Sustainability.aspx>

Responsible Party

Will Bryant

Sustainability Coordinator

Carolina Dining Services

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

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

Yes

A brief description of the vegan dining program :

Complete protein vegan meals are offered at both dining halls during every meal. Electronic signage conveys the ingredients in all prepared dishes. An onsite nutritionist is available to help students make smart meal choices.

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

<http://www.dining.unc.edu/Sustainability.aspx>

Trans-Fats

Responsible Party

Will Bryant

Sustainability Coordinator

Carolina Dining Services

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

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

Yes

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

Trans-fats are not used in the dining halls.

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

<http://www.dining.unc.edu/Sustainability.aspx>

Guidelines for Franchisees

Responsible Party

Will Bryant

Sustainability Coordinator

Carolina Dining Services

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

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

Yes

A brief description of the guidelines for franchisees :

Franchisees are asked to use compostable take out containers in retail dining venues and to source local food.

The website URL where information about the guidelines is available :

<http://www.dining.unc.edu/Sustainability.aspx>

Pre-Consumer Food Waste Composting

Responsible Party

BJ Tipton

Program Manager, Solid Waste Services
Facilities Services

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

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

Yes

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

Carolina Dining Services composts pre-consumer food scraps at the Top of Lenoir Dining Hall, the Rams Head Dining Hall, Lenoir Mainstreet, the Friday Center conference facility, Alpine Bagel, and the Beach Cafe.

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

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

100

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

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

100

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

<http://owrr.facilities.unc.edu/CampusRecycling/FoodWasteComposting.aspx>

PostConsumer Food Waste Composting

Responsible Party

BJ Tipton

Program Manager, Solid Waste Services
Facilities Services

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

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

Yes

A brief description of the postconsumer food waste composting program :

Carolina Dining Services composts post-consumer food waste from Rams Head Dining Hall, the Top of Lenoir Dining Hall, and the Friday Center conference facility. Food waste and paper products are separated and stored in 65-gallon carts located throughout the food preparation and dishwashing areas, or on the loading dock. The material is collected six times a week and is composted at a facility in Goldston, NC.

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

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

100

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

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

100

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

<http://owrr.facilities.unc.edu/CampusRecycling/FoodWasteComposting.aspx>

Food Donation

Responsible Party

Will Bryant
Sustainability Coordinator
Carolina Dining Services

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

Does the institution donate leftover or surplus food? :

Yes

A brief description of the food donation program :

During the academic year, Carolina Dining Services donates surplus food to the Inter-Faith Council on a weekly basis. The Inter-Faith Council is a local organization that provides food and housing to the homeless.

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

<http://www.dining.unc.edu/Sustainability.aspx>

Recycled Content Napkins

Responsible Party

Will Bryant

Sustainability Coordinator
Carolina Dining Services

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

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

Yes

A brief description of the purchasing behavior :

Carolina Dining Services uses recycled-content napkins in all dining locations. CDS purchase napkins made from 100% recycled fiber using a bleach-free process and 90% post-consumer content. The napkins meet EPA guidelines for post-consumer content, and are EcoLogo and Green Seal certified.

The website URL where information about the purchasing is available :

<http://www.dining.unc.edu/Sustainability.aspx>

Reusable Container Discounts

Responsible Party

Will Bryant

Sustainability Coordinator
Carolina Dining Services

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

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

Yes

A brief description of the reusable mug program :

Carolina Dining Services offers a ten percent discount at all retail food locations when students use their reusable mugs or water bottles. Additionally, Carolina Dining Services created a partnership with the Sustainability Office and its Carolina Green program: Students may receive a 10 percent discount on any fountain beverage with the use of their Carolina Green reusable water bottles. Students may also purchase Carolina Green reusable coffee mugs (sold at all Carolina Dining Services retail locations), receiving their first hot beverage for free and 10 percent off additional beverage purchases with the use of their mugs.

Amount of the discount offered for using reusable mugs :

10

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

reusable to-go containers are provided free of charge to all students who purchase meal plans.

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

<http://www.dining.unc.edu/Sustainability.aspx>

Reusable To-Go Containers

Responsible Party

Will Bryant

Sustainability Coordinator
Carolina Dining Services

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

Does campus dining operations provide reusable containers for to-go food that are returned for cleaning and reuse? :

Yes

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

Both dining halls provide reusable containers for to-go food. These containers are returned to the dining halls for cleaning and re-use. All meal plan purchasers are provided with a reusable food container free of charge. (Non-meal plan members and students who lose their first container may purchase a container for \$3.50.) Once a container has been used, it is exchanged upon entry into the dining hall for a clean, sanitized container. The reusable food containers are made of BPA-free, break-resistant, recyclable (#5) plastic, and can withstand temperatures from 32 to 180 degrees

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

<http://www.dining.unc.edu/Sustainability.aspx>

Energy

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

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

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

Building Energy Consumption

Responsible Party

Chris Martin
Director
Energy Management

Criteria

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

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

1 kWh = 0.003412 MMBtu

1 MWh = 3.412 MMBtu

1 therm = 0.1 MMBtu

1 kBtu = 0.001 MMBtu

1 ton-hour = 0.012 MMBtu

1 MJ = 0.000948 MMBtu

Submission Note:

Energy Services buildings are not included in square footage calculations related to energy performance in order to avoid double counting of energy use among steam, chilled water, and electric distribution.

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

Total building energy consumption, 2005 :

2186333 MMBtu

Building space, 2005 :

13623133 Gross Square Feet

Total building energy consumption, performance year :

2451462 MMBtu

Building space, performance year :

17891477 Gross Square Feet
STARS Reporting Tool | AASHE | Sierra Magazine

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

July 1, 2010 - June 30, 2011

Responsible Party

Ray DuBose

Director

Energy Services

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:

performance year is July 1, 2009 to June 30, 2010

"---" 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 :

52.07 MMBtu

Option 2: Non-electric renewable energy generated :

341.80 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 :

244307 MMBtu

Total energy consumed during the performance year :

2545404 MMBtu

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

PV

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

geothermal and solar thermal

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 :

32 MW coal-fired cogeneration plant with fluidized bed combustion and flue gas scrubbers

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

<http://www.energy.unc.edu/>

Timers for Temperature Control

Responsible Party

Chris Martin
Director
Energy Management

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

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

Yes

A brief description of the technology used :

Our centralized Building Automation System (BAS) allows us to program night setback temperatures in many of our buildings. This is done by programming the controllers in a specific building to change their space temperature setpoint at a specific time of day. So, for example, a building with an occupied setpoint of 70 degrees during the day might be allowed to cool down to 65 degrees between 6pm and 6am before the heating system would turn back on. Both the temperature and the time can be remotely adjusted from our centralized energy management center.

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

100

The website URL where information about the practice is available :

<http://save-energy.unc.edu/Projects.aspx>

Lighting Sensors

Responsible Party

Warren Jochem
Energy Engineer
Energy Management

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

Does the institution use motion, infrared, and/or light sensors to reduce energy use for lighting in at least one building? :

Yes

A brief description of the technology used :

Occupancy sensors are used in restrooms, break rooms, conference rooms, and other common areas throughout campus.

Photo sensors are used in buildings with controlled daylighting strategies.

The percentage of building space with lighting sensors :

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

http://sustainability.unc.edu/Portals/Sustainability2009/Documents/2009%20Sustainability%20Report_web.pdf

LED Lighting

Responsible Party

Ray DuBose
Director
Energy Services

"---" 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 :

LED lighting is used for several applications on campus -- outdoor safety/wayfinding lights, a parking deck, a loading dock, an office suite, a residence hall, and a main staircase.

The percentage of building space with LED lighting :

The percentage of parking deck space with LED lighting :

The percentage of outdoor space that uses LED lighting :

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

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

<http://gazette.unc.edu/archives2/10jul14/sustainability.html>

Vending Machine Sensors

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

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

A brief description of the technology used :

The percentage of vending machines with sensors :

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

Energy Management System

Responsible Party

Warren Jochem
Energy Engineer
Energy Management

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

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

Yes

A brief description of the management system :

Our centralized Energy Management Control System (EMCS) allows us to communicate with and control almost all of the buildings on campus. In addition to sending commands to change setpoints and schedules in a building, we can also record status and alarm data from each building. The EMCS center is staffed 6:00am to 10:30pm Monday through Friday and 6:00am to 4:30pm Saturday and Sunday.

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

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

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

Energy Metering

Responsible Party

Ray DuBose

Director

Energy Services

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

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

Yes

A brief description of the metering system :

All buildings are metered for electricity, steam, and chilled water. Steam and chilled water metering is real time with consumption and trend data available electronically to system operators. 90% plus of our electric load metering is real time with active projects to connect additional meters to the central system. The buildings served by natural gas also have natural gas meters.

The percentage of building space with energy metering :

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

<http://sustainability.unc.edu/Initiatives/CampusEnvironment/EnergyDemand.aspx>

Grounds

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

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

Integrated Pest Management

Responsible Party

Tom Bythell
Campus Forester
Grounds

Criteria

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

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

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

The size of the campus grounds :

538 Acres

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

538 Acres

A brief description of the IPM plan(s) :

The University's IPM plan is managed by the Grounds Department within the Facilities Services Division. The acreage actively managed by Grounds is 538 acres, which excludes building footprints, parking lots, and forested areas. The University Forest Manager and a two-person IPM staff work with Grounds crews that are assigned to 16 campus zones. There are over 50 crew members licensed in pesticide application by the NC Pesticide Board and trained to implement the IPM plan.

1. Action Thresholds – Action thresholds are set according to plant and site-specific conditions with the goal of maintaining plant health and campus appearance with minimum hazard to people and environment.
2. Monitor and Identify Pests – Zone crews search for signs of potential threats and take effective measures before the level of pests reaches an action threshold requiring the use of a pesticide. Zone crews search for eggs that can be treated safely before pests arise. Certain insects can be hand-picked off plants, e.g. bag worms. When a pest threat that meets an action threshold is identified, a work request is sent to the IPM staff.
3. Prevention – To the extent possible, the Grounds Department plants species that are resistant to common pests. Plant diseases are controlled by scheduling fertilization and irrigation to prevent spores from germinating, reducing the need for fungicides.
4. Control – The IPM staff uses the least hazardous treatment first. Eggs are treated with low-impact dormant-oil sprays. As a last resort, specific products targeted to specific plants are used. The only broad-spectrum product used, Round-up, is narrowly applied; it is

hand-sprayed on walkways only. Broadcast spraying of non-specific pesticides is not done.

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

Responsible Party

Tom Bythell
Campus Forester
Grounds

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

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

Yes

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

The Grounds Department installs native plants whenever possible. In addition, native and non-invasive plants are incorporated in landscape design guidelines for the University campus, the Carolina North project, and the North Carolina Botanical Garden.

UNC Campus – In 2005, the Task Force on Landscape Heritage and Plant Diversity developed the Guidelines for Landscape Designers Working on the UNC-Chapel Hill Campus, which states a preference for choosing native plants and plants adapted to the ecological conditions of sites under development or renovation. According to the Guidelines, plantings should be appropriate to the North Carolina piedmont, preserve the tree canopy and forested areas, include plants that provide food and shelter for wildlife, and avoid invasive plants. Recommendations for landscape design incorporating these preferences are given for each campus district (Section X. Recommendations for Landscape Designers When Working in Each District). The appendix section provides lists of plants that are Southeastern US natives or exotics with proven usefulness in Southeastern landscapes (Section XI), and invasive plants to avoid or to use only where their spread will be monitored and controlled (Section XI.F).

Carolina North – The landscape design for the planned 947-acre Carolina North campus will require the use of appropriate native and non-invasive plant species, according to the 2009 Carolina North Development Agreement, Article 5, Sections 21-5.21.1 and 5.21.2.

North Carolina Botanical Garden – The NCBG has a policy of removing and preventing accession of known invasive exotic species from its collections. In most areas of the Garden, only plant species native to the Southeast US are cultivated. In some areas where exotic species are traditionally contained, native plants are selected for new plantings whenever possible.

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

<http://www.fac.unc.edu/AboutUs/GroundsServices.aspx>

Responsible Party

Tom Bythell
Campus Forester
Grounds

"---" 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 :

Forest Management Program – For the forested areas of campus, primarily the 947-acre Carolina North property, Grounds Services employs best management practices to protect and create wildlife habitat.

1. “Snags” are left standing unless they are an immediate threat to Forest visitors or in high-traffic areas.
2. When disturbed areas require cover crops, seed mixes are chosen that encourage grazing, cover, or nesting.
3. A lot of invasive plant removal is accomplished through person-labor and mechanical means. Debris piles are left in situ to encourage nesting and cover.

<http://www.fac.unc.edu/FacilitiesServicesHome/GroundsServices/CarolinaNorthForest/tabid/1326/De>

[fault.aspx](#)

Conservation Easements – The 2009 Carolina North Development Agreement establishes conservation easements for areas identified as wildlife corridors with regional importance.

<http://www.ci.chapel-hill.nc.us/Modules/ShowDocument.aspx?documentid=4284>

In the developed parts of campus, the landscape design includes canopy trees which create wildlife habitat. As part of the tree removal program, safe dead trees are left in place to support insects, birds, and a diversity of life forms.

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

<http://www.fac.unc.edu/FacilitiesServicesHome/GroundsServices/CarolinaNorthForest/tabid/1326/De>

[fault.aspx](#)

Tree Campus USA

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

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

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

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

Snow and Ice Removal

Responsible Party

Tom Bythell
Campus Forester
Grounds

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

Has the institution implemented technologies or strategies to reduce the environmental impacts of snow and ice removal? :

Yes

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

Snow and ice removal is accomplished by spraying a thin layer of a brine solution where needed. The brine application uses far less salt than the conventional surface application of granular salt, greatly reducing the associated environmental impacts.

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

Landscape Waste Composting

Responsible Party

Tom Bythell
Campus Forester
Grounds

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

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

Yes

A brief description of the composting or mulching program :

The recycling program is staffed by two employees who use state-of-the-art equipment, including a tub grinder, to process waste materials accumulated from pruning and trimming trees and shrubs. All landscape waste is returned to campus as compost or mulch. Grass clippings, turf, and leaves are converted into leaf-compost, and hardwood scraps are converted to mulch.

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

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

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

<http://sustainability.unc.edu/Portals/Sustainability2009/Documents/2011%20Sustainability%20Report.pdf>

Purchasing

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

Credit
Computer Purchasing
Cleaning Products Purchasing
Office Paper Purchasing
Vendor Code of Conduct
Historically Underutilized Businesses
Local Businesses

Computer Purchasing

Responsible Party

Martha Pendergrass

Director

Procurement Services

Criteria

Part 1

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

Part 2

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

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

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

Yes

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

<http://sustainability.unc.edu/Initiatives/CampusEnvironment/Purchasing.aspx>

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

Information Technology Services, the largest campus computer purchaser, specifies EPEAT Gold. Facilities Services—a 1,000-person department—specifies EPEAT Silver or Gold computers.

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

Yes

Expenditures on EPEAT Gold desktop and laptop computers and monitors :

9749439 *US/Canadian \$*

Expenditures on EPEAT Silver desktop and laptop computers and monitors :

1020000 *US/Canadian \$*

Total expenditures on desktop and laptop computers and monitors :

13619042 *US/Canadian \$*

Cleaning Products Purchasing

Responsible Party

Bill Burston
Director
Housekeeping Services

Criteria

Part 1

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

Part 2

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

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

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

No

The website URL where the green cleaning product purchasing 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 cleaning products)? :

Yes

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

118544 US/Canadian \$

Total expenditures on cleaning products :

436967 US/Canadian \$

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

Office Paper Purchasing

Responsible Party

Martha Pendergrass

Director

Procurement Services

Criteria

Part 1

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

Part 2

Institution purchases recycled content office paper.

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

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

Yes

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

http://www.ncga.state.nc.us/EnactedLegislation/Statutes/HTML/BySection/Chapter_143/GS_143-58.3.html

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

North Carolina General Statute 143-58.3 encourages State institutions to spend at least 50 percent of the total purchases for paper in a fiscal year on paper with recycled content. The University's standard for all office paper purchases is a minimum of 30 percent post-consumer recycled content. Purchasing Services monitors progress with quarterly performance reports.

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

Yes

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

953181 US/Canadian \$

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

643906 *US/Canadian \$*

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

19807 *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 :

31093 *US/Canadian \$*

Total expenditures on office paper :

1769906 *US/Canadian \$*

Vendor Code of Conduct

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? :

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

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

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

Historically Underutilized Businesses

Responsible Party

Martha Pendergrass

Director

Procurement Services

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

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

Yes

A brief description of how the institution meets the criteria :

The University strives to include minority-owned and women-owned businesses in the RFP/IFB bid solicitation process. Purchasing has conducted trade shows to endorse and promote historically underutilized businesses on campus. The University has endorsed the policies and practices of the North Carolina Office of Historically Underutilized Businesses.

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

<http://www.doa.state.nc.us/hub/default.aspx>

Responsible Party

Martha Pendergrass

Director

Procurement Services

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

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

Yes

A brief description of the program :

The University makes every effort to promote local products and businesses in accordance with the State of North Carolina's procurement policies and laws. NC General Statute 143-59 and Executive Order 50 authorize a preference for products manufactured or produced in North Carolina whenever practicable and establish a price preference for local goods on state bid contracts.

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

<http://www.governor.state.nc.us/NewsItems/ExecutiveOrderDetail.aspx?newsItemID=929>

Transportation

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

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

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

Responsible Party

Laura Corin

Accounting Technician

Business Operations, Facilities 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:

E85 and B20 fuel tanks on campus

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

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

1

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

0

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

0

100 percent electric vehicles in the institution's fleet :

23

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 :

5

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

258

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

899

Student Commute Modal Split

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

Criteria

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

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

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

88

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 :

12

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 :

49

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

3

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

36

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

The website URL where information about alternative transportation is available :

<http://www.dps.unc.edu/Transit/gettingtowork/CAP/studentcap.cfm>

Employee Commute Modal Split

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

Criteria

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

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

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

49

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 :

51

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

8

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

10

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

31

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

The website URL where information about alternative transportation is available :

<http://www.dps.unc.edu/Transit/gettingtowork/CAP/cap.cfm>

Bicycle Sharing

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

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

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

Yes

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

Three high-rise residence halls make a total of 30 bicycles available in a bike-share program.

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

Facilities for Bicyclists

Responsible Party

Ray Magyar
Transportation Planner
Department of Public Safety

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

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

Yes

A brief description of the facilities :

Indoor bike storage is available in the parking deck of the FedEx Global Education Center. All student housing and most academic and office buildings have secure bike racks nearby. Showers are available at the Student Recreation Center, the Rams Head Recreation Center, and an increasing number of office buildings. Lockers are available at both recreation centers, as well as in various student lounges in academic buildings across campus.

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

<http://www.dps.unc.edu/Police/communityassistance/services/bikeregistrationandpolicy.cfm>

Bicycle and Pedestrian Plan

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

Has the institution developed a bicycle plan? :

A brief description of the plan :

The website URL where information about the plan is available :

Mass Transit Programs

Responsible Party

Claire Kane

Transportation Demand Manager
Department of Public Safety

"---" 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) :

Since 2002, the University has partnered with the towns of Chapel Hill and Carrboro to fund fare-free public transit for all members of the community. UNC contributes more than \$6 million annually to operate Chapel Hill Transit's fixed route and demand-responsive service within the municipal boundaries of Chapel Hill and Carrboro. Chapel Hill Transit operates twenty-five weekday routes, eight weekend routes, and three late-night routes around UNC's campus and UNC hospitals.

Student and employee participants in the Commuter Alternatives Program (CAP) may choose to receive an annual "GoPass," conferring unlimited free rides on the Triangle's regional transit system, as well as on the Durham Area Transit buses. Alternatively, CAP participants may also choose a free annual pass on the PX route, connecting UNC to the town of Pittsboro.

The website where Information about the Commuter Alternative Program is available:

<http://www.dps.unc.edu/Transit/gettingtowork/CAP/cap.cfm>

Additionally, UNC's Department of Public Safety runs a free shuttle service from 7:00 pm until 3:00 am when school is in session. Information about this program is available at

<http://www.dps.unc.edu/Transit/campustransit/p2p/p2p.cfm>

The website URL where information about the program is available :

<http://www.dps.unc.edu/Transit/gettingtowork/CAP/cap.cfm>

Condensed Work Week

Responsible Party

David Turner

Senior Director of Human Resources Planning & Systems
Human Resources

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

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

Yes

A brief description of the program :

The University's Office of Human Resources strongly encourages departments "to be as flexible as possible in allowing for alternative work schedules." As a part of these flexible work arrangements, the University accommodates "compressed" work schedules that meet "the overall needs of the organization, the supervisor, and the employee."

The website URL where information about the program is available :

<http://hr.unc.edu/benefits/work-life-and-wellness/flexible-work/index.htm>

Telecommuting

Responsible Party

David Turner

Senior Director of Human Resources Planning & Systems

Human Resources

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

Does the institution offer a telecommute program for employees? :

Yes

A brief description of the program :

The University supports tele-commuting as a trip and parking reduction strategy, and it is an element of the Transportation Demand Management (TDM) program. Each departmental director or chair may set a policy regarding telecommuting for that department. If the department chooses to make telecommuting available for its employees, it must do so in very specific ways. "Managers are encouraged to be as flexible as possible in accommodating the work/life needs of employees, but the decision to set and/or adjust employee work schedules is made by management, not by the individual employee."

The website URL where information about the program is available :

<http://hr.unc.edu/benefits/work-life-and-wellness/flexible-work/index.htm>

Carpool/Vanpool Matching

Responsible Party

Claire Kane

Transportation Demand Manager
Department of Public Safety

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

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

Yes

A brief description of the program :

The University teams up with the UNC Parent's Association and the Residence Hall Association to offer Zimride, a ride-matching program with an active social networking interface. In addition, The University teams with the region's

GoTriangle.org

team to promote the statewide ride-matching database called

SharetheRideNC.com

. SharetheRide targets the weekday commuter and produces a quick list of potential matches to those trying to join or form a carpool.

<http://zimride.unc.edu>

and

<http://www.gotriangle.org/rideshare/carpool/>

The website URL where information about the program is available :

<http://zimride.unc.edu/>

Cash-out of Parking

"---" 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)?

:

A brief description of the program :

The website URL where information about the program is available :

Carpool Discount

Responsible Party

Claire Kane

Transportation Demand Manager
Department of Public Safety

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

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

Yes

A brief description of the program :

Commuter Alternatives Program vanpoolers receive \$20 per month toward vanpool costs and free parking in a proximate lot. At UNC, the Department of Public Safety allocates all parking permits to individual departments. Departments distribute the allotment using a formula based on seniority. Each Commuter Alternatives Program carpooler splits the cost of a department parking permit and pays with pre-tax dollars. Carpools of four or more receive a proximate permit from a special allotment from the Department of Public Safety.

The website URL where information about the program is available :

<http://www.dps.unc.edu/Transit/gettingtowork/CAP/cap.cfm>

Responsible Party

Claire Kane

Transportation Demand Manager
Department of Public Safety

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

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

Yes

A brief description of the incentives or programs :

The University Transportation Demand Manager, in conjunction with the regional GoTriangle team, publishes a map showing rental units located close to transit lines.

<http://redefinetravel.org/unc/aptfinder.html>

<http://www.dps.unc.edu/Transit/gettingtowork/CAP/studentcap.cfm>

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

<http://www.dps.unc.edu/Transit/gettingtowork/CAP/studentcap.cfm>

Prohibiting Idling

Responsible Party

Van Dobson

Executive Director and Chief Facilities Officer
Facilities Services

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

Has the institution adopted a policy prohibiting idling? :

Yes

A brief description of the policy :

The State-Owned Vehicles Policy states that employees should "not let vehicles sit idling unless necessary for safety purposes such as deicing windshields. Additionally, North Carolina General Statutes require unattended vehicles on a public highway or public vehicular area to have the engine off."

The website URL where information about the policy is available :

<https://ishare.facilities.unc.edu/Info/Procedures/Division%20Procedures/State%20Owned%20Vehicle%20Policy%20120611.pdf>

Car Sharing

Responsible Party

Claire Kane

Transportation Demand Manager
Department of Public Safety

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

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

Yes

A brief description of the program :

UNC has a well-established Zipcar program, now entering its eighth year. We have a fleet of eight vehicles, including three hybrids. The cars are available at convenient locations around campus. All UNC departments, individual staff, and students 18 years of age or older who are licensed drivers may apply to enroll in the program for business or personal trips. The UNC program is also available to the town of Chapel Hill. There is no fee for departments to register and the usage fee is \$7 per hour.

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

<http://www.dps.unc.edu/Transit/campustransit/zipcar/zipcar.pdf>

Waste

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

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

Waste Reduction

Responsible Party

BJ Tipton

Program Manager, Solid Waste Services
Facilities 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*.

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

Weight of materials recycled, 2005 baseline year :

2944.19 Tons

Weight of materials composted, 2005 baseline year :

913.52 Tons

Weight of materials disposed as garbage, 2005 baseline year :

5018.62 Tons

Weight of materials recycled, performance year :

2753.91 Tons

Weight of materials composted, performance year :

1096.87 Tons

Weight of materials disposed as garbage, performance year :

5082.05 Tons

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

July 1, 2009- June 31, 2010

On-campus residents, 2005 :

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

7371

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

25402

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

5438

On-campus residents, performance year :

8808

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

26814

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

5497

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

Academic Year 2009-2010

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

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

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

<http://owrr.facilities.unc.edu/>

Waste Diversion

Responsible Party

BJ Tipton

Program Manager, Solid Waste Services
Facilities 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*.

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

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

3850.78 Tons

Materials disposed in a solid waste landfill or incinerator :

5082.05 Tons

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

Indoor and outdoor recycling programs exist for paper, cardboard, and beverage containers.

Food waste from the back of the kitchen and dish lines is composted at both campus dining halls. All yard waste is mulched or composted.

When students moved out of the residence halls in 2010, a program called Tar Heel Treasure ensured that old items in good shape would be reused rather than trashed. In 2009, more than 18 dumpsters worth of materials -- 10 tons -- were saved and resold at low prices in a community-wide sale. The weight of materials collected in 2010 is not reflected in the diversion tonnage above.

In 2008, UNC piloted reusable plastic clamshell, takeout containers at the dining halls. Interested students paid a deposit for the container and then exchanged their used container for a clean one. In fall 2009 each student enrolled in a meal plan received a free reusable container, sponsored by a partnership between CDS, the Office of Waste Reduction and Recycling, and the Sustainability Office.

A program called One Less Cup encourages students to carry reusable mugs. Several coffee shops on campus provide stickers and discounts to students who do.

Nike Reuse-A-Shoe chose UNC as a pilot campus for their program, which collects old shoes and turns the soles into athletic surfaces like basketball courts, playgrounds, and tracks. More than 900 pairs of shoes were collected from 25 bin locations during spring 2009.

To help reduce overall paper waste, University Mail Services works with the Intra-Mail Network (IMN). In the past, undeliverable bulk mail, such as an improperly addressed catalogue, was deposited in a recycling bin in the mail center. Now, IMN works with participating commercial mailers to ensure that mail is deliverable. Correcting or eliminating the faulty addresses prior to mail out reduced the amount of paper discarded on campus by 4,405 pounds. These numbers are not reflected in the diversion tonnage above since they reflect waste reduction rather than diversion.

Construction and Demolition Waste Diversion

Responsible Party

BJ Tipton

Program Manager, Solid Waste Services
Facilities 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.

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

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

309.31 Tons

Amount of construction and demolition materials landfilled or incinerated :

64.06 Tons

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

At UNC, any contractor working on either a renovation project or a new building must submit a Solid Waste Management Plan, as well as monthly reports that track recycled, salvaged, and landfilled items. Cardboard, clean wood, crates, scrap metal, and pallets are banned from Orange County landfills. Concrete block is also recycled.

The Office of Waste Reduction and Recycling collaborates with UNC's Historically Underutilized Businesses Office on an education and outreach program called "Getting the Green Edge." This program helps familiarize contractors with UNC and county-wide recycling policies and connects contractors with recycling firms.

C&D numbers do not include C&D recycling volumes from large capital projects. The data reported is for small, in-house jobs only.

Electronic Waste Recycling Program

Responsible Party

Martha Pendergrass
Director
Procurement Services

Criteria

Part 1

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

Part 2

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

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

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

Yes

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

No

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

All UNC computer equipment that is no longer wanted (including non-working equipment) should be taken to UNC Surplus Property. Computer equipment is then sent to State Surplus property. Working computer equipment is sold through State Surplus Property, and non-working equipment is repaired for use in North Carolina schools. Computer equipment that can not be repaired is recycled. Surplus Property removes all data from the equipment before equipment is sold or recycled. UNC's Surplus Property Office sends broken and unsold electronics to Creative Recycling. Creative Recycling uses recycling equipment that shreds and separates electronics into their original material of plastics, steel, aluminum, precious metals, and glass. An advanced filtering system insures that it does so without any harmful air emissions. As a precaution, Creative Recycling assures compliance with privacy laws by making sure that any data is written over.

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

see above

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

The Student Union provides boxes for students' unwanted mobile phones, which are collected by a local non-profit. However an extensive electronic waste recycling program has not yet been implemented across campus for all electronic waste generated by students.

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

<http://finance.unc.edu/procurement-services/surplus-property/our-services.html>

Hazardous Waste Management

Responsible Party

Mary Beth Koza

Director

Environment, Health & Safety

Criteria

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

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

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

Yes

A brief description of steps taken to reduce hazardous, special (e.g. coal ash), universal, and non-regulated chemical waste :

As a generator of hazardous chemical waste, UNC Chapel Hill has an obligation under federal and state regulations, and to the community, to reduce the volume and quantity of hazardous, universal, and non-regulated wastes generated on campus. This is accomplished, in part, through the Waste Minimization Program which is actively managed by the EHS Environmental Affairs group. A specific example of the University's waste reduction efforts is the recycling of 9,765 gallons (equivalent to 31,765 kg) of non-halogenated solvents through fuels blending operations. Other examples include the elimination of non-essential uses of elemental mercury throughout the UNC Chapel Hill campus on 31 December 2009. Stemming from a general recognition of the environmental and human exposure-related threats posed by mercury, the non-essential uses ban is complemented by an active mercury-containing devices exchange program. Over the past three years, UNC Chapel Hill has invested approximately \$10,000 per year to exchange mercury-containing devices such as thermometers from research and laboratories throughout campus. Other examples include robust recycling programs for fluorescent lighting (12,914 kg recycled in 2010), non-polychlorinated biphenyls containing ballasts and lead (8,465 kg and 982 kg, respectively, recycled in 2010), lead-acid batteries (4,250 kg recycled in 2010), miscellaneous batteries from dormitories (1,265 kg recycled in 2010), and used oil (650 gall recycled in 2010).

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

The EHS Environmental Affairs group manages the Hazardous Materials Facility (HMF) which is the central accumulation area of all hazardous waste from the campus points of generation which include teaching and research laboratories, maintenance and facility service activities, a Cogeneration facility, the Horace Williams airport, and the Finley golf course. Waste is managed by trained personnel from the EHS Environmental Affairs group under a federal Part B hazardous waste management permit (permit number NCD 982093783). EHS offers training classes, on-line waste management and pick-up tutorials, as well as publicly available resources to assist personnel within generating areas to properly manage their wastes. Hazardous materials are typically managed through an on-line registration and

management system designed to streamline documentation requirements and more efficiently track waste streams from point of generation to recycling/disposal. Wherever possible, and consistent with its Waste Minimization Program, UNC Chapel Hill endeavors to recycle waste streams including batteries, circuit boards, light ballasts, computer equipment, film, film fixer, lead solder, silver solder, mercury, and dental amalgam.

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

<http://ehs.unc.edu/environmental/disposal.shtml>

Materials Exchange

Responsible Party

Martha Pendergrass

Director

Procurement Services

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

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

Yes

A brief description of the program :

University property considered unusable or unserviceable can be sent to the Surplus Property Warehouse for disposal. The University Surplus Property Warehouse staff will dispose of equipment and furniture through sales to University departments, sales to the general public, transfers to the State Surplus Warehouse, or recycling. University departments can buy used furniture and equipment from the Surplus Warehouse Monday through Friday. The public can buy used furniture and equipment from the Surplus Warehouse two days a week.

The website URL where information about the program is available :

<http://finance.unc.edu/procurement-services/surplus-property/surplus-property-retail-store.html>

Limiting Printing

Responsible Party

Jim Clinton
Manager
Auxiliary Services

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

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

Yes

A brief description of how printing is limited :

At the beginning of each semester and summer session "ITS Print Plan" funds become available for all full-time, fee-paying students with no flags on their accounts. Students are able to use their One Card to print 800 pre-paid pages for each fall and spring semester (\$40.00) and 350 pre-paid pages for each summer session (\$17.50). Each page costs \$.05 per side of printed material. Color printing costs \$.30 for one side and \$.60 for 2 sides which will substantially reduce the number of pre-paid pages. The ITS Print Plan fund can only be used towards printing done in the ITS Labs supported locations. The funds do not roll over to the next semester or session.

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

<http://its.unc.edu/TeachingAndLearning/computerLabs/printing/index.htm>

Materials Online

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

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

A brief description of the practice :

The website URL where information about the practice is available :

Chemical Reuse Inventory

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

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

A brief description of the program :

The website URL where information about the practice is available :

Move-In Waste Reduction

Responsible Party

BJ Tipton

Program Manager, Solid Waste Services
Facilities Services

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

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

Yes

A brief description of the program :

In preparation for Move-In, the Office of Waste Reduction and Recycling shares information with incoming students in the Moving to Carolina Guide and the Daily Tar Heel newspaper on how to be waste-conscious. Students are encouraged to pack in reusable containers instead of bringing items in original packaging or cardboard boxes. Separate cardboard dumpsters are provided to keep boxes out of the landfill and traditional dumpsters are staffed to keep out recyclables.

The Office of Waste Reduction and Recycling staffs all residential dumpster locations for multiple days during student move-in. Staff members working these locations assist students and their families with cardboard and plastic wrap recycling. We run multiple shifts with an early morning crew working to get dumpsters emptied and sites cleaned up and a day crew to assist with cardboard recycling and education. In 2009 we had a 52% recycling rate for student move-in. We recovered 29.37 tons of cardboard over the weekend and landfilled only 27.52 tons of waste.

The website URL where information about the program is available :

<http://owrr.facilities.unc.edu/CampusRecycling/ResidenceHallRecycling/StudentMoveinGuide.aspx>

Move-Out Waste Reduction

Responsible Party

BJ Tipton

Program Manager, Solid Waste Services
Facilities Services

"---" 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 :

UNC-Chapel Hill conducts a campus-wide yard sale at the end of the spring semester called Tar Heel Treasure. Tar Heel Treasure is an inter-departmental effort, spearheaded by the Department of Housing and Residential Education, in partnership with the Office of Waste Reduction and Recycling, the Carolina Union, UNC Athletics, UNC Facilities Services, the Department of Public Safety, the Executive Branch of Student Government, the Residence Hall Association, and the Campus Y. In 2010, revenue was donated to UNC's Build a Block program with Habitat for Humanity of Orange County to build 10 homes for UNC employees and their families.

The Move-out drive for Tar Heel Treasure in 2010 collected approx. 13 tons of furniture, appliances, carpet, clothing, office supplies, food (donated to the Interfaith Council), and books (donated to Better World Books). Metal is recovered from futons and other furniture, and 1-2 tons were collected last year.

The website URL where information about the program is available :

<http://owrr.facilities.unc.edu/CampusRecycling/ResidenceHallRecycling/StudentMoveoutGuide.aspx>

Water

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

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

Water Consumption

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities 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 :

632909000 Gallons

Water consumption, performance year :

677293000 Gallons

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

July 1, 2009 - June 30, 2010

On-campus residents, 2005 :

7371

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

25402

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

5438

On-campus residents, performance year :

8808

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

26814

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

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

July 1, 2009 - Ju30, 2010

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

Yes

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

Potable water consumption decreased 40% since FY 2003 while square footage increased almost 50% since 2000. Reclaimed water system, rainwater harvesting, leak detection, efficient fixtures, and new business practices contributed to the savings.

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

<http://save-energy.unc.edu/>

Stormwater Management

Responsible Party

Sally Hoyt

Stormwater Systems Engineer

Energy 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? :

Yes

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

Yes

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

UNC operates its own stormwater management program under a National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Phase II permit.

The UNC stormwater staff conduct activities that meet the six minimum measures of the NPDES Phase II permit plus other activities that meet regulatory, infrastructure management, and sustainability goals. These programs cover the following areas: staff stormwater education and good practices, mapping, illicit discharge detection and elimination, public involvement, construction site erosion and sedimentation control, post-construction stormwater, stormwater system maintenance, stormwater system condition evaluations, and stormwater retrofitting.

New development and redevelopment projects must meet several stormwater regulations and policies that address water quality, stormwater runoff volume, and peak discharge. This includes reviews by the UNC Stormwater Engineer followed by the Town of Chapel Hill Stormwater Department and/or the State Division of Water Quality Stormwater Permitting Unit. The University of North Carolina at Chapel Hill Stormwater Performance Criteria, Design Standards, and Procedures can be found here:

<http://www.energy.unc.edu/water-wastewater-and-storm-water-systems-documents/SW-Design-Guidelin>

[es.pdf](#)

The UNC structural stormwater system is comprised of thousands of catch basins, inlets, and outfalls, miles of piping, and over 180 stormwater management practices. UNC property drains to Meeting of the Waters Creek, Battle Branch, Chapel Creek, Morgan Creek, Crow Branch, Booker Creek, Bolin Creek, and Little Creek. UNC is located within the Jordan Lake Watershed within the Cape Fear River Basin.

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

<http://ehs.unc.edu/environmental/stormwater/>

Does the institution have a living or vegetated roof? :

Yes

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

Three buildings at UNC incorporate green roofs. The Rams Head Complex, the Nursing School addition, and the FedEx Global Education Center were each constructed on top of a former surface parking lot. So the impervious surface area at each site was actually reduced by constructing the building and incorporating a green roof.

Located within a short walk of 8,000 residential students and most campus classrooms, Rams Head Center is part of the new connective tissue bridging South Campus and Main Campus. The facility boasts a grocery store, dining hall, recreation center, intensive green roof, and two large rainwater cisterns all built around a 700- space parking garage.

Completed in 2005, the Nursing School addition was the first building in the UNC system to receive Leadership in Energy and Environmental Design (LEED) certification from the U.S. Green Building Council. Its thin or extensive green roof captures rain water, reduces stormwater runoff, and provides attractive views from adjacent offices.

Opened in 2007, the FedEx Global Education Center features two extensive green roofs, which contain drought-tolerant sedum gardens. The roofs minimize stormwater runoff, reduce the urban heat island effect, and provide an attractive view from the adjacent outdoor terrace.

The stormwater from that falls on the Rams Head Plaza buildings and the Fedex Global Education Center is also collected in cisterns. At Rams Head, the overflow from the intensive green roof passes through a bioswale on its way to an infiltration bed that underlies a recreation field.

Does the institution have porous paving? :

Yes

A brief description of the institution's porous paving :

UNC has 12 porous pavement installations. Six installations occur at four park and ride parking lots that have infiltration/stone storage beds located beneath the pavement. These include: Estes Drive Extension parking lots (one permeable asphalt; one permeable concrete), the Park and Ride Lots next to the Friday Center on Highway 54 (one permeable asphalt; one permeable concrete), at the Hedrick building (permeable asphalt), and the Chatham County Park and Ride Lot (permeable asphalt). The NC Botanical Gardens Education Center (permeable interlocking concrete pavers) is a new highly visible site. Additional smaller parking installations have occurred at the McCauley Lot across from the Cheek-Clark Building (permeable asphalt), EPA Building (permeable asphalt), Baity Hill Residence Halls (permeable asphalt), and the Kenan/McIver Residence Halls (permeable asphalt).

Does the institution have retention ponds? :

Yes

A brief description of the institution's retention ponds :

UNC has 17 ponds and wetlands. These are primarily dry detention basins located off main campus or on the southern edge of campus. These are under consideration for retrofit as wetlands or wet ponds.

UNC also has 31 stormwater management practices that were designed for infiltration. Eight of these sites are also permeable pavement. The other sites are underground storage in conjunction with an underground stone bed designed for infiltration. While these are not ponds, they are considered "retention."

Does the institution have stone swales? :

Yes

A brief description of the institution's stone swales :

The University has many types of open channel conveyances, including stone swales. We do not inventory them as stormwater management.

Does the institution have vegetated swales? :

Yes

A brief description of the institution's vegetated swales :

The University has one installation that is a vegetated swale designed for stormwater treatment. During heavy rains, water fills the cistern and vegetated roof system at the Rams Head Plaza and overflows into a vegetated swale.

UNC also has six level spreaders, which are a form of vegetated conveyance. These spread water to promote sheet flow. Four level spreaders are located at the Baity Hill Residence Halls. One is located at the Francis Owen facility. One level spreader is located near the Giles Horney Building.

The University's open channel conveyances include many vegetated and grassed swales. If these were not specifically constructed as a stormwater treatment practice, we do not inventory them as stormwater management.

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

Yes

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

Structural Stormwater Management: UNC has over 180 stormwater management practices in use. In addition to the green roofs, permeable pavement, ponds and wetlands, infiltration beds, and vegetated swales described above, UNC has bioretention cells, cisterns, underground water quality improvement devices, and underground storage facilities.

Staff stormwater education and good practices: Stormwater staff from the UNC Department of Environment, Health, and Safety (EHS) conduct periodic training for 950 UNC staff whose actions on the job influence water quality. This includes staff from the following departments: Grounds, Athletics, Facilities Maintenance, Housekeeping, Energy Services, Public Safety, Construction Shops, and Housing Support. Prior to the training, less than 25% of pollution reports came from outside of EHS. After the first round of training, more than 65% of pollution reports come from outside of EHS.

Mapping: UNC Energy Services has mapped the structural system in GIS, including the stormwater treatment practices, storm drain pipes, inlets, manholes, outfalls, and roof drains.

The Grounds department has launched a preventive maintenance program to manage these stormwater facilities.

Waterless Urinals

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

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

Does the institution use at least one waterless urinal? :

Yes

A brief description of the technology employed :

Falcon Waterfree

The website URL where information about the technology is available :

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

Building Water Metering

Responsible Party

Ray DuBose
Director
Energy Services

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

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

Yes

A brief description of the water metering employed :

Water use is metered in every building on campus.

The percentage of building space with water metering :

100

The website URL where information about the practice is available :

Non-Potable Water Usage

Responsible Party

Sally Hoyt

Stormwater Systems Engineer
Energy 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? :

Yes

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

UNC uses non-potable water from multiple sources including: reclaimed water from the local water and sewer authority, harvested rainwater stored in cisterns, and collected condensate.

The Energy Services Chilled Water unity is the largest user of non-potable water at UNC. Non-potable water (primarily reclaimed water) is used for cooling tower make-up water at the five chilled water plants on campus.

The FedEx Global Education Center uses non-potable water (harvested rainwater)for toilet flushing. Three additional buildings -- NC Botanical Gardens, Genome Sciences, and Biomedical Research Imaging Center -- have non-potable water toilet and urinal flushing systems in various stages of construction.

Several landscape irrigation sites use non-potable water (currently harvested rainwater). These include the quad near Hanes Hall and Rams Head Plaza.

Several athletic fields -- the football practice fields, Fetzer Field, and Boshamer Stadium (baseball) -- are irrigated with non-potable water (harvested rainwater). In the next year, these will be backed up with reclaimed water. Additional non-potable water systems are nearing construction completion at Anderson Stadium and Williams Field (softball) and Kenan Stadium (football).

Non-potable water design guidelines are available at

<http://www.energy.unc.edu/water-wastewater-and-storm-water-systems-documents/NPW-Design-Guidelines.pdf>

nes.pdf

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 :

<http://sustainability.unc.edu/Initiatives/WaterManagement.aspx>

Xeriscaping

Responsible Party

Tom Bythell
Campus Forester
Grounds

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

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

Yes

A brief description of the program or practice :

UNC selects drought tolerant plants whenever possible.

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

Weather-Informed Irrigation

Responsible Party

Tom Bythell
Campus Forester
Grounds

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

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

Yes

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

A centralized weather station electronically monitors 12 variables, including relative humidity and rainfall, and controls 21 irrigation controllers. This data is relayed by radio to the irrigation controllers.

The website URL where information about the practice is available :

Planning, Administration & Engagement

Coordination and Planning

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

Credit
Sustainability Coordination
Strategic Plan
Physical Campus Plan
Sustainability Plan
Climate Action Plan

Sustainability Coordination

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities 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.

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

Does the institution have a sustainability committee? :

Yes

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

Mission Statement: (Adapted from Sustainability Advisory Committee Charter)

In response to Governor Hunt's Executive Order 156, UNC appointed its first Sustainability Officer in 1999. A grassroots Sustainability Coalition, consisting of students, staff, faculty, and administrators interested in sustainability formed to evaluate current practices and explore future opportunities. The Sustainability Advisory Committee, established in 2005, advises the Vice Chancellor for Finance and Administration and the Executive Vice Chancellor and Provost. The Committee makes recommendations on a more holistic approach to the development and implementation of sustainable policies, practices, research, and curricula across the University. The Committee recommends long-term sustainability goals for the University and identifies the means to achieve them. The Committee develops a better understanding of existing incentives and disincentives, and proposes more effective strategies. The Committee members champion these strategies and communicate them to each member's respective area so that all stakeholders take ownership.

Members of the committee, including affiliations :

Co-chair: Ray DuBose – Interim Chief Facilities Officer, Facilities Services

Co-chair: Phil Berke – Deputy Director, Institute for the Environment

Carol Tresolini – Associate Provost, Academic Initiatives

Scott Ragland – University Advancement

Carolyn Elfland – Associate Vice Chancellor for Campus Services

Mike Crimmins – Associate Dean, College of Arts and Sciences

Gene Bober – Associate Dean for Planning & Resources, Medicine Administration

Todd Zakrajsek – Executive Director, Center for Faculty Excellence

Phil Barner – Interim Director, Energy Services
Jacki Resnick – Director, Office of Research Development
Martha Pendergrass – Director, Procurement Services
Jeff Hughes – Director, Environmental Finance Center
Peter White – Director, NC Botanical Garden
Carol Seagle – Director of Research, Center for Sustainable Enterprise
Alice Ammerman – Director, Center for Health Promotion and Disease Prevention
Steve Lofgren – Associate Director, Facilities Housing & Residential Education
Richie Grimsley – Assistant Director, Athletic Facility Planning and Management
Diane Gillis – Architect, Facilities Planning & Construction
Greg Gangi – Associate Director for Education, Institute for the Environment
Cindy Pollock Shea – Director, Sustainability Office
Sara Mishamandani – Sustainability Chair, Graduate & Professional Student Federation
Will Leimenstoll – Co-chair, Environmental Affairs Committee (Undergraduate Student Government)
Megan Gyoerkoe – Co-chair, Environmental Affairs Committee (Undergraduate Student Government)
Cameron Smith – Co-chair, Environmental Affairs Committee (Undergraduate Student Government)

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

<http://sustainability.unc.edu/Leadership/SustainabilityAdvisoryCommittee/tabid/416/Default.aspx>

Does the institution have a sustainability office? :

Yes

A brief description of the sustainability office :

Organized efforts to institutionalize sustainability at UNC began in 1999. After two years of volunteer efforts, the university became the first in the state to hire a full-time Sustainability Coordinator in 2001, and in 2003 the department added two more employees, including an Energy Conservation Manager. The office currently has two full time employees: the director and a research and outreach manager. The office also hires student interns.

The Sustainability Office catalyzes the development and implementation of more sustainable policies, practices and curricula across the entire University. The office works to advance the triple bottom line of ecological integrity, economic prosperity and social equity. The office serves as the secretariat for the Sustainability Advisory Committee, hosts student interns, manages and facilitates campus sustainability initiatives, and is a primary source of sustainability education and communication.

The number of people employed in the sustainability office :

2

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

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

Does the institution have a sustainability coordinator? :

Yes

Sustainability coordinator's name :

Cynthia Pollock Shea

Sustainability coordinator's position title :

Director, Sustainability Office

A brief description of the sustainability coordinator's position :

The Sustainability Director catalyzes and oversees sustainability initiatives across campus. She staffs the Sustainability Advisory Committee; sponsors strategic planning teams in Facilities Services; collaborates on the development of design guidelines for capital projects; co-teaches environmental capstones; publishes a biennial sustainability report; and supervises sustainability office staff and interns.

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

<http://sustainability.unc.edu/AboutUs/Staff/tabid/424/Default.aspx>

Strategic Plan

Criteria

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

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

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

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

Year the strategic plan or equivalent was completed or adopted :

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

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

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

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? :

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

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

Physical Campus Plan

Responsible Party

Anna Wu

University Architect and Director
Facilities Planning

Criteria

Institution's current plan for its physical campus (commonly referred to as the campus master plan) includes sustainability at a high level.

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

Neither a strategic plan (which is covered in *PAE Credit 2: Strategic Plan*) nor an independent sustainability plan (which is covered in *PAE Credit 4: Sustainability Plan*) counts for this credit.

Plans developed at the system level are eligible for this credit. Likewise, multiple plans which together cover the institution's entire physical campus are eligible for this credit.

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

Does the institution's physical campus plan include sustainability at a high level? :

Yes

A brief description of how the physical campus plan or amendment includes sustainability :

The 2001 Campus Master Plan (updated in 2006) meshes the critical pieces needed for smart growth in the 21st century – transportation, parking, housing, utilities and environmental sustainability – with the program needs of a growing campus. Participants in the Master Plan process looked at the campus as a whole and especially at the condition of its natural systems. This holistic approach influenced the design process for all future building on campus.

The plan incorporates a full range of sustainability principles: mixed uses; compact buildings; multi-modal, pedestrian-oriented transportation; varied housing types; preservation and creation of green space; a predictable regulatory arena; and regular give and take among a large and diverse group of stakeholders.

The Master Plan includes the following environmental goals:

- o Balance growth with preservation of the natural drainage system
- o Manage stormwater as an opportunity, not a problem
- o Recognize that the University is part of the Cape Fear Watershed
- o Reinforce the University's position as a role model
- o Decrease single-occupancy vehicle use
- o Increase and diversify on-campus housing

The Campus Development Plan resulted in rezoning the campus in order to implement the Master Plan and to build 6 million square feet of new space. The Development Plan specifically addresses sustainability issues including: stormwater management, transportation planning, lighting, noise reduction, and interaction with perimeter neighborhoods.

In the 2006 Update to the Master Plan, sustainability was recognized even more explicitly and led to a closer examination of resource use throughout the campus.

The University is planning a new academic and research campus, Carolina North, on a 947-acre tract of land two miles north of the main campus. Planning for the new campus, which strives to "be a model of sustainable community" began with an ecological assessment that identified the areas of the tract that were least and most suitable for development. The resulting Master Plan concentrates development on already developed portions of the site, leaving the majority of the site undeveloped with over 300-acres in permanent conservation easement. Among the guiding themes for the Master Plan are: respect for the ecology of the site, support for a transit-oriented development, maximization of stormwater management, maximization of energy conservation, and carbon reduction. The plan is oriented east-west along a former airport runway to support solar collection potential.

The Carolina North Master Plan was adopted in 2007 and Carolina North Design Guidelines in 2008. Information may be found at

<http://research.unc.edu/carolina-north/index.htm>

The year the physical campus plan was developed or adopted :

2001

The website URL where the physical campus plan is available :

<http://www.fpc.unc.edu/Planning/MainCampusMasterPlan.aspx>

Sustainability Plan

Criteria

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

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

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

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

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

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

A brief description of the plan's measurable goals :

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

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

The year the plan was developed or last updated :

Climate Action Plan

Responsible Party

Daniel Arneman
Environmental Specialist
Energy 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? :

Yes

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

Climate neutrality by 2050

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

End coal use in all campus boilers, including at the cogeneration plant, by 2020

Design new buildings to consume 30% less energy than ASHRAE standards

Reduce energy consumption in existing buildings by 30% by 2015, relative to FY 2004

Decrease GHG emissions to 2000 levels by 2020 (after expanding campus square footage by 50%)

Year the climate plan was formally adopted or approved :

2009

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

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 :

<http://www.climate.unc.edu/CAP>

Diversity and Affordability

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

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

Diversity and Equity Coordination

Responsible Party

Terri Houston

Associate Provost and Director
Diversity and Multicultural Affairs

Criteria

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

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

Does the institution have a diversity and equity committee? :

Yes

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

The Diversity and Multicultural Affairs Office has a Diversity Liaison Committee with members from the University's academic and administrative units. The liaisons oversee the preparation of annual diversity progress reports for their units or schools.

Members of the committee, including job titles and affiliations :

Carol P. Tresolini, Assoc. Provost, Academic Initiatives
June Steel, Associate Vice Chancellor, Advancement
Reed Colver, Office of the Executive Director of the Arts
Karen Gil, Dean, College of Arts and Sciences
Martina Ballen, Athletics
Cookie Newsom, Diversity and Multicultural Affairs
Laila Robbins, Engagement and Public Service
Ann Penn, EEO/ADA Office
Brenda Malone, Vice Chancellor, Human Resources
Leslie Lerea, Graduate School
Lisa Lipscomb, Information Technology
Larry Mayes, Institutional Research and Assessment
Niklaus Steiner, Director, Center for Global Initiatives
David Stevens, Kenan-Flagler Business School
Amy Dunlap, Registrar's Office
Jo Ann Gustafson, Research and Economic Development
Jackie Copeland, Scholarship and Student Aid
Matthew M. Morano, School of Dentistry
Ramona Cox, School of Education

Thomas Thornburg, School of Government
Jeff Tibbs, School of Information and Library Science
Dulcie Straughan, School of Journalism & Mass Communication
Meredith Weiss, School of Law
Kevin Fitzgerald, School of Medicine
Rumay Alexander, School of Nursing
Carla White-Harris, Eshelman School of Pharmacy
Bryan Weiner, Gillings School of Global Public Health
Anna Scheyett, School of Social Work
Jonathan Sauls, Student Affairs
Herb Davis, Undergraduate Admissions
Joanna Carey Cleveland, University Counsel
Jan Paris, University Libraries
Margaret Moore, Health Sciences Library
Scott Childs, Law Library

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

<http://www.unc.edu/diversity/liasion.htm>

Does the institution have a diversity and equity office? :

Yes

A brief description of the diversity office :

Diversity and Multicultural Affairs, in the Office of the Executive Vice Chancellor and Provost, provides University-wide leadership in developing and implementing initiatives that promote diversity within our student, faculty, and staff communities. Diversity and Multicultural Affairs provides leadership, consultation, and project management of policies, programs, and services that promote diversity as a means of achieving educational excellence and enhancing the quality of life for all members of the University community. The University of North Carolina at Chapel Hill understands that diversity is a critical element of Carolina's pursuit of academic excellence, and has a strong commitment to creating a diverse, inclusive community.

The number of people employed in the diversity office :

9

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

<http://www.unc.edu/diversity/what.htm>

Does the institution have a diversity and equity coordinator? :

Yes

Diversity coordinator's name :

Terri Houston

Diversity coordinator's position title :

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

A brief description of the diversity coordinator's position :

The Associate Provost and Director of Diversity and Multicultural Affairs serves as the chief diversity officer for the University, and advises the Executive Vice Chancellor and the Chancellor on diversity policies and issues. She collaborates with senior University officers and campus units to identify and implement strategies and initiatives to increase diversity, and to build an inclusive environment that values and respects the contributions of all members of the University community.

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

<http://www.unc.edu/diversity/staff.htm>

Measuring Campus Diversity Culture

Responsible Party

Terri Houston

Associate Provost and Director
Diversity and Multicultural Affairs

Criteria

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

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

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

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

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

Yes

A brief description of the assessment(s) :

The University is preparing for publication a university-wide diversity assessment for 2010, which follows a 2005 assessment. Results of the 2010 Assessment will be available on the website below in March 2011. The ongoing diversity assessments examine student, staff, and faculty experiences related to race, gender, class, sexuality, culture, religion, and region. Research tools have included surveys, focus groups, ethnographic interviews, and reports from schools and administrative units. For 2010, the population surveyed was the entire campus community.

Year the assessment was last administered :

2010

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

The assessment findings and report are the basis for the University's five-point diversity plan that establishes diversity priorities.

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

<http://www.unc.edu/diversity/reports.htm>

Support Programs for Underrepresented Groups

Responsible Party

Terri Houston

Associate Provost and Director
Diversity and Multicultural Affairs

Criteria

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

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

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

Yes

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

Diversity and Multicultural Affairs actively recruits students from under-served communities, including African American, American Indian, Asian American, Latina/o, low-income, rural, and first-generation students. Project Uplift, H.S. Honor Days, UNC Scholar Days, Native American Recruitment Day, Native American Visitation (accepted students), Latina/o Student Recruitment Weekend, Dia de Bienvenida (accepted students), Tar Heel Target (minority student volunteers visit their high schools), Carolina United, NC Renaissance (rural students), and Pre-Orientation are all designed to assist under-represented groups. The Minority Student Recruitment Committee is a partnership between Diversity and Multicultural Affairs and student groups, including the Black Student Movement, the Carolina Indian Circle, NC Renaissance, Carolina Hispanic Association, and Student Government. The Center for Student Success and Academic Counseling sponsors programs to promote academic excellence for minority students and to improve the campus climate for diversity. These programs include the Learning Center, Academic Success for Students with LD/ADHD, the Writing Center, Academic Support for Student Athletes, and Summer Bridge. Undergraduate retention programs are offered by the Office of Undergraduate Education in the College of Arts and Sciences. The Lesbian, Gay, Bisexual, Transgender, and Queer Office in the Division of Student Affairs provides support for students of all sexual orientations, gender identities, and gender expressions.

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

The Diversity Incentive Fund, administered by UNC Diversity and Multicultural Affairs, is intended to encourage and support faculty, staff, and students in the creation of new educational programs and campus-based initiatives that promote cross-cultural learning and knowledge. Requests may be made for up to \$2,500.

<http://www.unc.edu/diversity/dmadif.htm>

The Women and Science Program, administered by the Women's Studies Department, works with science departments at UNC to attract and retain more women and minority students and faculty in the sciences and mathematics. The main efforts are to promote systemic change in the ways that science, and science education, are regarded and carried out at the University. Women's Studies is working to create a neutral space for students and faculty to voice their understanding of healthy working relationships and to provide a productive environment for dialog without fear of repercussions. The program exists to integrate the ideas, strengths, and approaches of women into research, teaching, and service, and to promote a supportive environment for women to study and work.

<http://www.unc.edu/depts/wmst/womenscience.html>

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

The Diversity Incentive Fund described above is available to University staff, as well as faculty and students.

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

<http://www.unc.edu/diversity/>

Support Programs for Future Faculty

Responsible Party

Terri Houston

Associate Provost and Director
Diversity and Multicultural Affairs

Criteria

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

Such programs could take any of the following forms:

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

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

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

Yes

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

The Carolina Postdoctoral Program for Faculty Diversity (through the Office of the Vice Chancellor for Research and Economic Development) is part of a continuing commitment to advance scholars from under-represented groups in higher education. The University makes available postdoctoral research appointments for a period of two years. The purpose is to develop scholars from under-represented groups for possible tenure-track appointments at UNC and other research universities. Postdoctoral scholars are engaged in full-time research and may teach only one course per fiscal year.

The University, through the Office of Postdoctoral Affairs, partners with MentorNet, a non profit network that connects mentors and mentees in engineering, science, and mathematics. MentorNet was created to foster the retention and success of women and under-represented minorities in particular, and pairs postdoctoral students with professionals in an email-based mentoring relationship.

<http://postdocs.unc.edu/>

SPIRE - UNC-Chapel Hill's Seeding Postdoctoral Innovators in Research and Education program is an innovative postdoctoral fellowship program for Ph.D. scientists who are interested in balancing research and teaching careers. SPIRE's mission is to provide

multi-dimensional professional development for science researchers and educators to succeed in academic careers, to bring engaging teaching methods into the classroom, and to increase diversity in science professions.

While traditional postdoctoral experiences are one hundred percent research focused, SPIRE provides Fellows with a multi-dimensional experience that includes research, an opportunity to teach and mentor undergraduates at one of five minority serving institutions in North Carolina that partner with SPIRE, and professional development activities and workshops.

<http://spire.unc.edu/news/media/facts.html>

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

<http://www.unc.edu/diversity/reports.htm>

Affordability and Access Programs

Responsible Party

Terri Houston

Associate Provost and Director
Diversity and Multicultural Affairs

Criteria

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

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

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

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

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

:

Yes

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

Upward Bound (Office of the Provost) – The Upward Bound program serves 90 high school students, primarily from low income and potential first generation college student homes. Students must attend target schools in Chatham, Durham, Lee, and Orange Counties. They must meet federal guidelines based on income and/or educational background of parents, must have a need for academic support, and must be US citizens. Upward Bound parents are organized into associations that provide assistance to program participants, serve as a support group of program parents, serve as a community ambassador and recruiter of students, and provide advocacy for Upward Bound and other TRIO programs.

Two scholarships are available to Upward Bound participants: Ernest K. Dark, Sr., Upward Bound Scholarship – Presented annually to a graduate of the Upward Bound Program with outstanding scholarship, service, citizenship, and leadership. The amount of the scholarship is from \$500 to \$1,000 annually. Allard K. Lowenstein Scholarship – Awarded annually to students attending the University of North Carolina at Chapel Hill with a preference to students who have participated in the Upward Bound Program. The award is based on the

students' potential for contribution to the University through academics, athletics, and activities as judged by performance in high school and the community.

<http://upwardbound.web.unc.edu/>

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

Carolina Covenant (through the Office of Scholarships and Student Aid) – The Carolina Covenant is a pledge made by the University to low-income youth. It promises that students who qualify for the Covenant will have the opportunity to earn a baccalaureate degree at Carolina without having to borrow to meet their financial need. Eligible students (designated as Covenant Scholars) are awarded a combination of grants, scholarships, and/or work-study that meets 100 percent of their financial need. Together with the amount the family is expected to pay, this combination of financial aid allows Scholars who work 10-12 hours per week during the academic year to graduate debt-free. The Covenant also incorporates academic and personal support services and special programming to help Covenant Scholars adapt to campus life and succeed in completing their undergraduate degree program. By making this Covenant, the University hopes to encourage youth from low-income families who want to attend Carolina to prepare academically for admission, knowing they can afford to attend.

The Carolina Covenant is directed to students from historically low-income families, as opposed to those whose parents may have had a low income the prior year, but who have assets or other resources to help pay for college costs. Parents' adjusted gross income must not exceed 200% of federal poverty guidelines, based on family size. Students must be dependent on parents, and must meet academic, income, and financial need criteria. North Carolina residency is not required. Students must meet citizenship requirements and other eligibility standards for federal financial aid programs. A student may be designated as a Covenant Scholar when admitted to Carolina as a freshman or transfer student.

<http://www.unc.edu/carolinacovenant/index.php>

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

Carolina Covenant Scholars are matched with faculty or professional staff mentors, who are paid a small stipend, to mentor Covenant Scholars during their first year at Carolina. The mentors commit to supporting a small group of Scholars in their daily lives and to helping them discover and participate in campus life. The goal is successful students who graduate.

Each year, some 35 mentors, attend a training session before meeting with their Scholars, work with up to 15 Scholars each, meet with Scholars individually, and host social activities for the students in their group.

<http://www.unc.edu/carolinacovenant/faculty-mentoring.php>

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

Project Uplift (sponsored by Diversity and Multicultural Affairs in conjunction with the Office of Undergraduate Admissions) – Low-income, rural, and other rising seniors from historically underserved populations who are in the top 25% of their classes spend two days on campus for a general introduction to student life. Students attend classes, talk with professors, attend demonstration lectures and science labs, and learn about admissions procedures and financial aid. During May and June, approximately 1,000 rising high school seniors and other secondary students participate.

<http://www.unc.edu/diversity/aboutpu.htm>

NC Renaissance (sponsored by Diversity and Multicultural Affairs in conjunction with North Carolina Renaissance) – NC Renaissance is a one-week enrichment program for rural high school sophomores to participate in sessions exploring team building, college admissions, financial aid, the Ackland Art Museum, and community service.

<http://www.unc.edu/diversity/renaissance.htm>

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

James M. Johnston Awards (Office of Scholarships and Student Aid) – The Johnston Awards are need-based scholarships. Every year, approximately 70 entering freshman are chosen to be Johnston Scholars, based on outstanding high school records and leadership potential. Faculty mentors, Johnston honors seminars, and special leadership activities are included as part of the program. Johnston scholarships are renewable, provided the recipients achieve a minimum grade point average of 2.75 in their freshman year and 3.0 each year thereafter. The scholarship also covers additional expenses associated with UNC-sponsored Study Abroad programs.

http://studentaid.unc.edu/studentaid/type/ssa_grants_scholarships.html

Undergraduates entering the School of Nursing as juniors and first-year graduate nursing students are eligible for Johnston Nursing Awards, a special focus of the Johnston program. This year, UNC awarded more than \$378,000 to entering first-year students, more than \$43,000 to undergraduate nursing students, and \$96,000 to graduate nursing students for a total of more than \$517,000 in new Johnston Scholarships. Awards for new and returning Johnston Scholars totaled more than \$1.7 million.

James M. Johnston Awards (Office of Scholarships and Student Aid) – The Johnston Awards are need-based scholarships. Every year, approximately 70 entering freshman are chosen to be Johnston Scholars, based on outstanding high school records and leadership potential. Faculty mentors, Johnston honors seminars, and special leadership activities are included as part of the program. Johnston scholarships are renewable, provided the recipients achieve a minimum grade point average of 2.75 in their freshman year and 3.0 each year thereafter. The scholarship also covers additional expenses associated with UNC-sponsored Study Abroad programs.

<http://studentaid.unc.edu/types-of-aid/internal-scholarships/>

Undergraduates entering the School of Nursing as juniors and first-year graduate nursing students are eligible for Johnston Nursing Awards, a special focus of the Johnston program. This year, UNC awarded more than \$378,000 to entering first-year students, more than \$43,000 to undergraduate nursing students, and \$96,000 to graduate nursing students for a total of more than \$517,000 in new Johnston Scholarships. Awards for new and returning Johnston Scholars totaled more than \$1.7 million.

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

High School Honors Day (Diversity and Multicultural Affairs) – Academically talented high school students from low-income, rural, or other historically underserved populations and their parents gain first-hand knowledge from University officials and student leaders about academic programs, admissions requirements, and scholarship and grant opportunities.

<http://www.unc.edu/diversity/hshd.htm>

UNC Scholars Day (Diversity and Multicultural Affairs) – High achieving seniors interested in attending Carolina and their parents visit the University and participate in informational meetings to learn about academic and cultural opportunities from Undergraduate Admissions, Scholarships and Student Aid, Honors Program, Undergraduate Research, Study Abroad, student leaders, and academic departments.

<http://www.unc.edu/diversity/scholaradays.htm>

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

Tar Heel Target (Diversity and Multicultural Affairs) – Minority student recruitment volunteers visit their hometown high schools during Carolina's fall break and meet with prospective students in various locations around North Carolina and a few specifically selected schools out of state.

<http://www.unc.edu/diversity/tarheeltarget.htm>

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

Carolina Student Transfer Excellence Program (C-STEP)- With the help of the Jack Kent Cooke Foundation, the University launched C-STEP to enable more community-college students to transfer to and graduate from Carolina. Talented low- and moderate-income high school students are guaranteed eventual admission to Carolina if they enroll at one of five local community colleges -- Alamance

Community College, Carteret Community College, Durham Technical Community College, Fayetteville Technical Community College, or Wake Technical Community College -- and complete the program successfully.

Students who are invited to participate in C-STEP agree to earn appropriate associate degrees and participate actively in the program. C-STEP offers students special events and advising, both at their home college and at Carolina, while they are pursuing their associate degrees, and provides exemplary transition and support services once they have enrolled at Carolina and are pursuing their bachelor degrees.

Carolina guarantees to meet 100 percent of every admitted student's demonstrated need through grants, scholarships and loans. Qualified C-STEP students will be offered the opportunity to enroll as Carolina Covenant scholars.

<http://admissions.unc.edu/CSTEP/>

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

Each year the University offers special scholarships to a select group of entering freshmen. These competitive awards recognize and encourage academic excellence. Criteria for merit-based scholarships include academic achievement, leadership qualities, commitment to service, and potential for success at the University. Financial need is not a consideration. The University seeks to identify students who have earned academic distinction in high school, but selection goes beyond metrics of test scores and grade point averages, focusing on a holistic review of the entire application.

Types of Merit-Based Scholarships available through the Office of Scholarships and Student Aid:

The Morehead-Cain Scholarship, launched in 1945, was the first merit based scholarship program offered in the United States. Selected students receive full tuition, fees, and board as well as a laptop and books. A four-year Summer Enrichment Program, made up of diverse, customized experiences that begin the summer before freshman year, include outdoor leadership, public service, international research, private enterprise, and Discovery Funds to be used for education opportunities. In 2010, 64 Morehead Scholars were selected: 30 from North Carolina, 24 from other areas in the United States, 2 from Uganda, 2 from Turkey, 3 from Britain, and 3 from Canada.

<http://moreheadcain.org/about/>

The Robertson Scholars Program, created in 2000, selects students with the personal drive to have an impact on the world around them. It provides full student privileges and covers all fees at both UNC and Duke University, three unique summer experiences, a laptop, and individual mentoring and coaching. About half the students enroll at Duke and half at UNC. All the students take courses at both schools and spend a semester in residence at the other campus. An average of 36 students, from all over the world, are selected for the program each year.

<http://www.robertsonscholars.org/>

The Carolina Scholars Awards Program represents the most academically competitive of scholarships sponsored by the University. In addition to superior academic achievement, self-direction and motivation for learning are the chief criteria for selection. Carolina Scholarships are part of UNC's Scholars Program, which provides recipients with faculty mentors, leadership experience, and other academic enrichment opportunities. Recipients from North Carolina receive renewable awards of \$8,000 per year; those from out-of-state will receive an award equivalent to the cost of tuition, fees, room and board.

Pogue Scholarships place special emphasis on minority applicants who, in addition to solid academic performance and strong leadership potential, demonstrate an abiding commitment to their local communities and embrace diversity as a value. Competition for this award is open to North Carolina and out-of-state students. The Pogue Scholarship provides a renewable award of \$7,500 for N.C. recipients and an amount covering the cost of tuition, fees, room and board for non-resident recipients. The Pogue Scholarship is part of UNC's Scholars Program, which provides faculty mentoring, leadership experience and other enrichment opportunities.

<http://uncscholarsprogram.com/pogue/>

Colonel Robinson Scholarships provide renewable awards to students who exhibit high academic achievement and potential for leadership at the University. For N.C. recipients, these competitive scholarships provide a \$5,000 award. Out-of-state recipients receive the equivalent of tuition, fees, room and board. Colonel Robinson Scholars are invited to participate in activities sponsored by the Scholars Program.

Old Well and Founders Scholarships provide renewable awards of at least \$3,000 to students from North Carolina who come to the University with an exemplary academic record. Additional criteria for these awards may include county of residence and high school attended.

College Fellows Scholarships provide renewable awards of \$2,500 to high-achieving students from North Carolina. College-Sponsored National Merit Awards are annual awards of \$1,000 (or \$2,000 in the case of substantial financial need) to National Merit finalists who have not been offered another type of National Merit award and have notified the National Merit Scholarship Corporation that UNC-Chapel Hill is their first college choice. Recipients of National Merit's one-time \$2,500 Merit Scholarship will be eligible to receive the annual \$1,000 college-sponsored award after their freshman year.

<http://studentaid.unc.edu/>

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

The Burch Fellows Program was established in 1993 by a gift from Carolina alumnus Lucius E. Burch III. Its purpose is to recognize undergraduate students at the University who possess extraordinary ability, promise, and imagination. It grants up to \$6,000 to support self-designed, off-campus experiences that will enable students to pursue a passionate interest in a way and to a degree not otherwise possible.

Any full-time undergraduate student at the University of North Carolina at Chapel Hill may apply, provided that, at the time of application, he or she has completed at least one but not more than six semesters. Regardless of a student's official class standing, it is the expectation of the Program that a student will complete two additional semesters at UNC following completion of the Burch Fellowship experience and prior to graduation.

<http://honorscarolina.unc.edu/current-students/fellowships/burch-fellowships-2/>

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

<http://honorscarolina.unc.edu/current-students/fellowships/burch-fellowships-2/>

Gender Neutral Housing

Responsible Party

Terri Phoenix
Director
LGBTQ Center

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

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

Yes

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

RainbowHouse is a listserv that exists to assist lesbian, gay, bisexual, and transgender people who are looking for roommates in the Triangle area of North Carolina.

rainbowhouse-request@listserv.unc.edu

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

http://lgbtq.unc.edu/index.php?option=com_docman&task=doc_view&gid=7&tmpl=component&format=raw&Itemid=119

Employee Training Opportunities

Responsible Party

Terri Houston

Associate Provost and Director
Diversity and Multicultural Affairs

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

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

Yes

A brief description of the cultural competence trainings and activities :

Cultural competence trainings and activities are available to all employees, faculty, and students through the Diversity Education Team in the Diversity and Multicultural Affairs office. The DET teaches two employee workshops, Diversity for Employees and Diversity for Supervisors, which are open to all employees. Through Human Resources, employee may enroll in trainings for managing diversity in the workplace.

The DET will work with any University department, unit, or group to develop customized diversity training programs and offers diversity education modules that may be adapted to specific needs. Any member of the University community(employees, faculty, students) may join the Diversity Education Team after completing a diversity education program.

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

<http://www.unc.edu/diversity/dmadet.htm>

Student Training Opportunities

Responsible Party

Terri Houston

Associate Provost and Director
Diversity and Multicultural Affairs

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

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

Yes

A brief description of the cultural competence trainings and activities :

Diversity and Multicultural Affairs provides training and education for students and student groups -- both customized programs and those required for development and program enhancement. Additionally, the Diversity Education Team (DET) provides structured training for student organizations to facilitate their program or departmental requirements. Students may join the DET after completing a diversity education program.

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

<http://www.unc.edu/diversity/dmadet.htm>

Human Resources

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

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

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

Sustainable Compensation

Responsible Party

David Turner

Senior Director of Human Resources Planning & Systems
Human Resources

Criteria

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

Student workers are not covered by this credit.

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

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

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

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

Total number of employees working on campus (including contractors) :

12086

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

12086

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

It is the policy of the State of North Carolina to compensate its employees sufficiently to encourage excellent performance and to maintain labor market competitiveness. The State Personnel Commission conducts annual compensation surveys for presentation to the State legislature.

The UNC Office of Human Resources uses local market data to ensure it is offering both a fair living wage and that the University is competitive with local employers. In 2008, the Chancellor reviewed and raised the salaries of the University's lowest paid employees by increasing the minimum annual salary to \$25,000 for full-time permanent employees.

<http://hr.unc.edu/policies-procedures-guidelines/spa-employee-policies/recruitment-and-selectio>

n/POSTING

The most recent year total compensation for the institution's lowest-paid workers (including contractors, if applicable) was evaluated to ensure that it was sustainable :

2008

The website URL where information about the institution's compensation policies and practices is available :

<http://hr.unc.edu/classification-compensation/index.htm>

Employee Satisfaction Evaluation

Responsible Party

David Turner

Senior Director of Human Resources Planning & Systems
Human Resources

Criteria

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

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

Does the institution evaluate employee satisfaction in a way that meets the criteria for this credit? :

Yes

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

In 2010, UNC conducted a university-wide employee survey on organizational effectiveness in order to create a more productive and satisfying work environment. More than 3,000 permanent faculty and staff responded to the survey, a response rate of 28 percent.

The employee survey will be reviewed, and suggested changes evaluated for potential implementation, by the Carolina Counts program. The Chancellor initiated Carolina Counts to carry out key recommendations presented as part of an efficiency and effectiveness assessment that concluded in July 2009. The assessment report included many recommendations for streamlining UNC's operating structure, based on input from hundreds of people throughout the campus community.

<http://carolinacounts.unc.edu/>

The year the employee satisfaction evaluation was last administered :

2010

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

http://hr.unc.edu/ccm/groups/public/@hr/documents/content/ccm3_019369.pdf

Staff Professional Development in Sustainability

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

Criteria

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

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

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

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

The following training opportunities are not sufficient for this credit:

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

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

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

Yes

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

Sustainability training is available as a professional development course through Human Resources.

Course description:

Making the Workplace More Sustainable: Level 1

Sustainability is a core value and top-level priority at Carolina. Learn about sustainability goals and initiatives at UNC and how you and your department can contribute. Be the leader in your workplace by learning practical steps to become more economically, environmentally, and socially responsible. This workshop will help participants identify, measure, and promote sustainable change opportunities in their area. Workshop participants will learn about University policies, programs, business practices, and resources that will support the drive to become Carolina Green. Participants will become “green events” certified and learn how to assess sustainability practices within their departments.

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

Sustainability in New Employee Orientation

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

Criteria

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

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

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

Yes

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

Distribute handout documenting sustainability goals and accomplishments.

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

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.

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

Total number of people employed by the institution :

Program name (1st program) :

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

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

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

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

The website URL where information about the program is available (1st program) :

Program name (2nd program) :

Number of employees served by the program (2nd program) :

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

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

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

The website URL where information about the program is available (2nd program) :

Program name(s) (all other programs) :

Number of employees served by the program(s) (all other programs) :

A brief description of how the employee educators are selected (all other programs) :

A brief description of the formal training that the employee educators receive (all other programs) :

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

The website URL where information about the program(s) is available (all other programs) :

Responsible Party

David Turner

Senior Director of Human Resources Planning & Systems
Human Resources

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

Does the institution have an on-site child care facility, partner with a local facility, and/or provide subsidies or financial support to help meet the child care needs of students, faculty, and staff? :

Yes

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

Child Care Resource and Referral Service - UNC's Child Care Referral Service helps employees access affordable, high-quality child care. The program is administered by the Child Care Services Association, a non-profit child care resource and referral agency, and is free to UNC employees.

Child Care Financial Assistance Program - UNC's Child Care Financial Assistance Program provides financial assistance to employees and students for quality child care. Since funding for the program is limited, eligibility cannot guarantee assistance.

University Child Care Center - The University Child Care Center is a nationally-accredited, licensed non-profit center for the children of students, faculty, and staff of UNC Chapel Hill and UNC Health Care Systems. The facility accommodates 120 children, ranging in age from infants to five years old.

FPG Family and Child Care Program - The FPG Family and Child Care Program provides high-quality early education and care to children and families. It is a full-day program that operates year-round. Staff uses developmentally appropriate practices that promote learning of language, communication, emergent literacy, and social, cognitive, play, and creative skills.

Carolina Kids Camp - Carolina Kids Camp is a summer day camp on the UNC campus for children, ages 6 to 10, of employees and students.

Helping Heels Child Care Provider List - The Helping Heels Child Care and Elder Care Provider List, compiled by Employee Services, is a list of UNC-affiliated individuals who provide part-time and temporary care.

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

<http://hr.unc.edu/benefits/work-life-and-wellness/child-care-programs/index.htm>

Employee Wellness Program

Responsible Party

David Turner

Senior Director of Human Resources Planning & Systems
Human Resources

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

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

Yes

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

UNC's Employee Assistance Program offers confidential counseling and resources to help employees and their families deal with the pressures of life issues, including family or workplace concerns, depression and anxiety, alcohol and drug dependency, finances, domestic violence, grief, and fear and anger associated with health problems. Counselors are available on-site during the day and by telephone 24-hours.

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

<http://hr.unc.edu/benefits/work-life-and-wellness/employee-assistance/index.htm>

Socially Responsible Retirement Plan

Responsible Party

David Turner

Senior Director of Human Resources Planning & Systems

Human Resources

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

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

Yes

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

The University offers a socially responsible fund under the Optional Retirement Program and the University System 403(b) Program through TIAA-CREF. This variable annuity account seeks a favorable long-term rate of return that reflects the investment performance of the financial markets while giving special consideration to environmental, social, and governance criteria.

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

http://enroll.tiaa-cref.org/unc403b/inv_opt_multi_asset_ap.html

Investment

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

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

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

Committee on Investor Responsibility

Criteria

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

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

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

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

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

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

:

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

Members of the CIR, including affiliations :

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

The website URL where information about the committee is available :

Shareholder Advocacy

Criteria

There are two possible approaches to earning this credit.

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

and/or

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

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

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

Has the institution filed or co-filed one or more shareholder resolutions that address sustainability during the past three years? :

Has the institution submitted one or more letters about social or environmental responsibility to a company in which it holds investments during the previous three years? :

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

A brief description of how the institution (or its foundation) has engaged in shareholder advocacy that promotes sustainability during the previous 3 years. :

The website URL where information about the negative screen, divestment effort, and/or direct engagement with companies in which the institution holds investments is available :

Positive Sustainability Investments

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 :

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

Value of holdings in businesses selected for exemplary sustainability performances :

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

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

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

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

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

Student-Managed Sustainable Investment Fund

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

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

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

The website URL where information about the fund is available :

Sustainable Investment Policy

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

Does the institution have a policy, practice or directive to consider the social and/or environmental impacts of investment decisions, in addition to financial considerations? :

A brief description of the sustainable investment policy :

The website URL where information about the policy is available :

Investment Disclosure

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

Does the institution make a snapshot of its investment holdings, including the amount invested in each fund and/or company and proxy voting records, available to the public? :

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

The website URL where information about investment disclosure available :

Public Engagement

This subcategory seeks to recognize institutions that give back to their communities through community service, engagement, and partnerships. Volunteerism and the sense of compassion that community service helps develop are fundamental to achieving sustainability. From tutoring children to removing invasive species to volunteering at a food bank, students, faculty, and staff can make tangible contributions that address sustainability challenges through community service. Community engagement can help students develop leadership skills while deepening their understandings of practical, real-world problems. Institutions can contribute to their communities by harnessing their financial and academic resources to address community needs. For example, faculty research and courses can focus on how to address community problems. In addition, colleges and universities can offer incentives for their graduates to pursue careers that fill community needs, and schools can use their prominence to advocate for sustainability outside of their institutions.

Credit
Community Sustainability Partnerships
Inter-Campus Collaboration on Sustainability
Sustainability in Continuing Education
Community Service Participation
Community Service Hours
Sustainability Policy Advocacy
Trademark Licensing
Graduation Pledge
Community Service on Transcripts
Farmers' Market

Community Sustainability Partnerships

Responsible Party

Lynn Blanchard

Director

Carolina Center for Public Service

Criteria

Institution has formal partnership(s) with the local community, including school districts, government agencies, non-profit organizations, or other entities, to work together to advance sustainability within the community.

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

Does the institution participate in community sustainability partnerships that meet the criteria for this credit? :

Yes

A brief description of the institution's sustainability partnerships with the local community :

Public service and engagement have long been a core mission at Carolina. By tapping academic and administrative expertise, applying research, and creating vital partnerships, the University serves as a resource for communities both near and far. Select community partnerships include:

- UNC Chapel Hill works with community leaders, government agencies, and non-profits through the School of Government, which also houses the Environmental Finance Center. The Center assists communities to address the finance and policy challenges related to the provision of environmental services and programs.
- Active Living by Design promotes physical activity and healthy eating through community design. Local projects include safe walking routes to school, mixed-use neighborhoods, and walking maps of downtown.
- The Environmental Resource Program in the Institute for the Environment enhances public understanding of current environmental science and health research and its relevance to daily life, and empowers North Carolinians to make informed decisions that protect the environment and public health. Workshops involve K-12 teachers, high school students, African-American communities, and local and state government agencies.
- The North Carolina Botanical Garden, an international leader in conservation biology, promotes a sustainable relationship between people and nature through public events and educational opportunities for teachers, students, and the community.
- The Carolina Center for Public Service promotes opportunities for students and faculty to engage in public service that is responsive to the needs of North Carolina communities. The top five service focus areas for students are children and youth, health, education, social justice, and hunger and homelessness/poverty.
- APPLES, Assisting People in Planning Learning Experiences in Service, a program of the Carolina Center for Public Service, is the oldest student-led service-learning program in the country. It brings students, faculty, and the community together. In 2009-2010, APPLES supported 102 service-learning courses in 43 departments. More than 2,400 students enrolled in these courses and volunteered more than 82,000 hours with more than 100 community organizations.
- A combustion facility is being built by UNC to capture and burn methane gas at Chapel Hill's municipal landfill. During construction, the gas will be flared to keep it out of the atmosphere. By 2011, electricity generated by the methane will power a complex of support buildings located two miles north of main campus. More buildings will be served by methane-produced electricity as Carolina North is

developed.

The website URL where information about sustainability partnerships is available :

<http://sustainability.unc.edu/Initiatives/PublicServiceandEngagement/tabid/534/Default.aspx>

Inter-Campus Collaboration on Sustainability

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

Criteria

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

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

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

Yes

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

- UNC participated in the 2010 conference of the Association for the Advancement of Sustainability in Higher Education (AASHE) where we partnered with Duke, NC State, Meredith, Wake Forest, UVM, and others to present sessions on “Doing More with Less: Tapping Campus Partnerships and Online Resources,” “Student Green Fee Management and Project Implementation,” “Financing Renewable Energy Installations on University and College Campuses,” and “Engaging Faculty from a Non-academic Post.”
- UNC participated in the Greening of the Campus VIII conference where we partnered with Duke, Meredith College, and NC State to host a workshop entitled “Promoting A Culture of Shared Responsibility: Empowering Others to Take the Lead.”
- UNC co-hosted the 2008 conference of the Association for the Advancement of Sustainability in Higher Education (AASHE), where we partnered with Duke and NC State to share our experiences and responses to the record-breaking drought of 2007 and hosted a campus tour and locally-sourced lunch.

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

- ~~The Association for the Advancement of Sustainability in Higher Education (AASHE)
- ~~The AASHE STARS Steering Committee
- ~~The Southeastern Sustainability Network
- ~~The UNC system-wide Sustainability Committee
- ~~The NC Sustainable Energy Association
- ~~The Green Schools listserv
- ~~The NC GreenGov listserv

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

~~A formal system-wide Sustainability Committee was established to address systematic integration of sustainability principles, master planning, design and construction, operations and maintenance, climate change mitigation and renewable energy, transportation, recycling and waste management, and environmentally preferable purchasing. The UNC Director of Sustainability served as co-chair. The sustainability policy developed by the committee was adopted by the Board of Governors.

~~At the request of the North Carolina General Assembly, UNC partnered with colleagues at N.C. State and East Carolina University to research the feasibility of placing wind turbines in the sounds off the North Carolina coastline. It was found that wind power development is feasible and could provide up to 20 percent of the state's energy without significant human or environmental impacts.

~~UNC co-sponsored a Leadership for Sustainability and Curriculum Workshop with Duke University, Meredith College, UNC Greensboro, and NC State University in May 2010. Attendees included faculty, staff, and administrators from colleges and universities in the region.

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

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

Sustainability in Continuing Education

Responsible Party

Bradley Volk

Associate Dean for Administration

School of Government

Criteria

Part 1

Institution offers continuing education courses that are focused on or related to sustainability.

Courses that can be taken for academic credit are not included in this credit. They are covered by the *Curriculum* subcategory.

Part 2

Institution has a sustainability-related certificate program through its continuing education or extension department.

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

Does the institution offer continuing education courses that are focused on or related to sustainability? :

Yes

Number of sustainability continuing education courses offered :

11

Total number of continuing education courses offered :

1311

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

No

A brief description of the certificate program :

Year the certificate program was created :

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

Community Service Participation

Responsible Party

Lynn Blanchard

Director

Carolina Center for Public Service

Criteria

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

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

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

The number of students engaged in community service :

22094

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

24146

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

<http://www.unc.edu/ccps/>

Community Service Hours

Responsible Party

Lynn Blanchard

Director

Carolina Center for Public Service

Criteria

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

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

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

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

1148966

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

24146

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

<http://www.unc.edu/cps/>

Sustainability Policy Advocacy

Responsible Party

Kimrey Rhinehardt

Vice President for Federal Relations
The University of North Carolina

Criteria

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

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

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

Has the institution advocated for federal, state, and/or local public policies that support campus sustainability or that otherwise advance sustainability? :

Yes

A brief description of how the institution engages in public policy advocacy for sustainability, including the issues, bills, and ordinances for or against which the institution has advocated :

~~The University of North Carolina advocated for Session Law 2007 – 546 (Senate Bill 668): An act to promote the conservation of energy and water use in state, university, and community college buildings. It requires new and renovated state buildings to be constructed to surpass ASHRAE energy standards by 30%, meet high performance building standards, and reduce indoor water consumption by 20%. It also requires the state to conduct energy audits every 5 years, and requires life-cycle cost analysis for state building projects.

~~UNC also supported legislation to Codify Energy Efficiency in Public Buildings, S1946/H2532, which passed during the 2008 legislative session.

http://energync.org/assets/files/podcast_episodes/legislative-guide/2008-legislative-guide.pdf

~~UNC's Board of Governors included energy efficiency on its legislative agenda for 2009-2011. The proposal, which passed, allows campuses to retain energy savings achieved through performance contracting and other means and increases the state cap for energy performance contracts to \$500 million.

http://www.northcarolina.edu/src/agenda/2009-10_BOG_Agenda_-_DRAFT_-_2.pdf

~~The UNC Office of Federal Relations advocates a comprehensive energy policy that authorizes energy research opportunities, incentives for conservation and creation/extension of tax credits for producing electricity and fuel from renewable sources.

http://www.northcarolina.edu/frc_funding/index.php?pg=dl&id=5248&inline=1&return_url=%2Ffrc_funding%2Findex.php%3Fpg%3Dvb%26tag%3Dtoc

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

http://www.northcarolina.edu/frc_funding/index.php?pg=dl&id=5248&inline=1&return_url=%2Ffrc_funding%2Findex.php%3Fpg%3Dvb%26tag%3Dtoc

Trademark Licensing

Responsible Party

Derek Lochbaum

Director

Trademarks and 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.

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

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

Yes

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

Yes

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

No

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

<http://www.licensing.unc.edu/>

Graduation Pledge

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

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

A brief description of the graduation pledge program :

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

Community Service on Transcripts

Responsible Party

Lynn Blanchard

Director

Carolina Center for Public Service

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

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

Yes

A brief description of the practice :

The Public Service Scholars program, started in 2003, recognizes students who graduate with at least 300 hours of service, complete one service-learning course, and four skills trainings. In 2010, UNC graduated 190 Public Service Scholars with eight students reporting more than 1,000 hours each. As a group, they reported more than 89,657 hours of service, an average of 470 hours per graduate. The Public Service Scholar designation is recorded on student transcripts.

The website URL where information about the practice is available :

<http://www.unc.edu/ccps/students-scholars-index.php>

Farmers' Market

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

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

A brief description of the farmers' market :

The website URL where information about the market is available :

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

Responsible Party

Lynn Blanchard

Director

Carolina Center for Public Service

Criteria

- 1) Innovation credits are reserved for new, extraordinary, unique, groundbreaking, or uncommon outcomes, policies, and practices that greatly exceed the highest criterion of an existing STARS credit or are not covered by an existing STARS credit.
 - 2) In general, innovation credits should have roughly similar impacts or be on the same scale as Tier One credits.
 - 3) The innovative practice, policy, program, or outcome should have occurred within the past three years.
 - 4) The innovative practice or program has to be something that the institution has already done; planned activities do not count.
 - 5) An institution can only claim a particular activity as an innovation credit once. When re-submitting for a STARS rating, an innovation credit that the institution submitted previously cannot be re-submitted.
 - 6) Practices, policies, and programs that were once considered innovative but are now widely adopted (e.g. being the first institution to enact a policy 20 years ago that is now common) may not be claimed as innovation credits.
 - 7) Multiple activities or practices whose sum is innovative can be considered for an innovation credit as long as those activities or practices are related. For example, three innovative waste reduction programs in research laboratories could be listed together under a single innovation credit for Greening Laboratories. Listing a series of unrelated accomplishments or events under a single innovation credit is not accepted.
 - 8) While the practices that led to receiving an award may be appropriate for an innovation credit, winning awards and/or high sustainability rankings in other assessments is not, in and of itself, grounds for an innovation credit.
 - 9) Outcomes, policies, and practices that are innovative for the institution's region or school type are eligible for innovation credits.
 - 10) When the innovation is part of a partnership, the summary provided must clearly describe the institution's role in the innovation.
-

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

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

Exemplary Performance: Community Service Hours

Carolina's mission of teaching and discovery, conducting life-changing research, and helping others through public service is embraced by the entire UNC community. During the 2009-2010 school year, Carolina students contributed 1,148,966 community service hours. Using the AASHE STARS formula in Planning, Administration & Engagement, Credit 23: Community Service Hours, UNC would earn 12.85 points, more than double the maximum number of points it is possible to earn for this credit.

Community Service hours at UNC are tracked by the Carolina Center for Public Service, established in 1999. The Center engages and supports the faculty, students, and staff of the University of North Carolina at Chapel Hill in meeting the needs of North Carolina and beyond.

In 2003, the Center established the Public Service Scholars program to provide development opportunities and recognition for students who contribute more than 300 hours of service, take a service learning course, and participate in leadership development workshops. 172 Public Service Scholars were graduated in 2009. They contributed more than 78,000 hours of service, or an average of more than 450 hours each. The top five service focus areas of 2009 graduates were Children and Youth, Health, Education, Social Justice, and Hunger and Homelessness/Poverty. More than 2,000 students at Carolina are currently participating in the Public Service Scholars Program and they represent 75% of all majors. See data at

<http://www.unc.edu/cps/documents/09PSSgradbulletin.pdf>

In 2009, the University was named to the (U.S.) President's Higher Education Community Service Honor Roll. UNC was the only tier one research university to receive one of six Presidential Awards.

The Carnegie Foundation for the Advancement of Teaching has three classifications for engagement: "Curricular Engagement," which entails engaging students and faculty with the community; "Outreach and Partnership," which combines the application and provision of institutional resources to mutually benefit the campus and the community, and "Community-Engaged University," which encompasses both categories. UNC was one of only 62 institutions in the country that met the requirements for the combined category in 2006, the first year the classifications were available.

A letter of affirmation from an individual with relevant expertise :

[Innovation Letter Community Service Hours final.pdf](#)

The website URL where information about the innovation is available :

<http://www.unc.edu/ccps/>

Responsible Party

Ray DuBose

Director

Energy Services

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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 - 7) Multiple activities or practices whose sum is innovative can be considered for an innovation credit as long as those activities or practices are related. For example, three innovative waste reduction programs in research laboratories could be listed together under a single innovation credit for Greening Laboratories. Listing a series of unrelated accomplishments or events under a single innovation credit is not accepted.
 - 8) While the practices that led to receiving an award may be appropriate for an innovation credit, winning awards and/or high sustainability rankings in other assessments is not, in and of itself, grounds for an innovation credit.
 - 9) Outcomes, policies, and practices that are innovative for the institution's region or school type are eligible for innovation credits.
 - 10) When the innovation is part of a partnership, the summary provided must clearly describe the institution's role in the innovation.
-

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

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

Exemplary Performance: Energy Metering

UNC Energy Services manages the energy supply infrastructure on campus and meters the use of that energy in each campus building.

Real time steam meters measure the steam used in each of 175 campus buildings. The steam is produced by a combined heat and power plant that has a 32 megawatt generating capacity. Steam is used for heating, humidification, domestic hot water heating, sterilization and

making distilled water. Steam system design and metering requirements are available at

<http://www.energy.unc.edu/cogeneration-systems-documents/Steam-Requirements-October-2003.pdf>

Real time chilled water meters measure the chilled water used in each of 150 campus buildings that are served by the 50,000 ton district cooling system. The chilled water is produced by five networked chilled water plants that together comprise one of the most sophisticated chilled water generating systems in the world. The system features a 5,000,000 gallon thermal storage system which is charged at night when real-time electric prices are low and discharged during the day when electric prices are high. The thermal storage system reduces the University's electric demand on the utility by 12 MW. The chilled water plants are interconnected and operated as one production system using a networked Supervisory Control and Data Acquisition (SCADA) system. From a single console, operators can manage and balance loads among the chiller plants and view the bridge interface systems that ensure that the buildings receive and efficiently use the chilled water to meet their cooling demand.

90% plus of UNC's electric load metering is real time with active projects to connect additional meters to the central system.

The Morrison Residence Hall is the first campus building with a real time energy dashboard that is available on a large screen in the lobby and via the internet.

Interval and historical energy metering data is analyzed by engineers in multiple departments to identify and implement energy efficiency and operational improvements.

A letter of affirmation from an individual with relevant expertise :

[Innovation Letter Energy Metering.pdf](#)

The website URL where information about the innovation is available :

<http://www.energy.unc.edu/>

Responsible Party

Sally Hoyt

Stormwater Systems Engineer
Energy Services

Criteria

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-

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

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

Exemplary Performance: Stormwater Management

The University operates its own stormwater management program under a National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Phase II permit. UNC stormwater staff conduct activities that meet the six minimum measures of the NPDES Phase II permit plus other activities that meet regulatory, infrastructure management, and sustainability goals. The UNC Stormwater Program includes:

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

Illicit Discharge Detection and Elimination: UNC's Environment Health and Safety department systematically looks for pollution (illicit discharges) entering surface water. This is accomplished by water quality testing and visual inspection of outfalls, inlets, load docks, dumpsters, and other possible pollution sources.

Public Involvement: UNC's Environment Health and Safety department has a number of public education and outreach programs to further stormwater education and provides educational materials to students, faculty, and staff. Some of these programs include drain marking sessions with students, volunteer stream clean up days, and educational seminars open to the entire UNC community.

Construction Site Erosion and Sedimentation Control: UNC's Environment Health and Safety department maintains design guidelines for erosion and sediment control; reviews construction documents to evaluate the erosion and sediment controls planned; works with the design team to obtain permits; visits construction sites to educate contractors; and conducts periodic site inspections.

Post-construction Stormwater: UNC Energy Services' stormwater engineers maintain design guidelines for structural stormwater management practices; review the drawings and calculations for planned projects to ensure compliance with state and local regulations; conduct construction site inspection to ensure proper installation; map the as-built information; conduct annual inspections; identify retrofit possibilities for enhanced water quality treatment; and assist the Grounds department in determining needed preventive and one-time maintenance. The University has over 180 post-construction structural stormwater management practices including green roofs, bioretention, permeable pavement, cisterns, ponds, and wetlands.

Stormwater Maintenance System: UNC Grounds visits each inlet, manhole, and stormwater treatment practice a minimum of once per year. These visits are scheduled preventive maintenance work orders that are automatically generated by work management software. Grounds maintenance may include hand removal or pumping out of accumulated sediment, trash, or organic matter. Grounds also uses a street sweeper to clean permeable pavement parking lots at least quarterly.

Stormwater System Condition Evaluations: UNC Energy Services is systematically evaluating the structural stormwater system, including stormwater treatment practices, pipes, inlets, and outfalls to determine the condition and need for repairs or replacements. Like towns and cities across the country, the University is addressing crumbled infrastructure originally installed in the 1940's-1960's, and as the nation's oldest public university, some of the infrastructure at UNC dates as far back as the 1800s.

Stormwater Retrofitting: UNC is identifying potential sites to improve the water quality in the stormwater runoff from existing development. Retrofits include upgrades of existing stormwater treatment practices and new stormwater treatment practices. Retrofits that reduce the nitrogen and phosphorus discharged to the impaired lake downstream are particularly important. A large number of projects have been identified as part of Stormwater Master Plan work being done by consultants. UNC stormwater staff add to the project list, which is being used to identify cost and seek funding.

A letter of affirmation from an individual with relevant expertise :

[Innovation Credit Stormwater Management letter_FINAL.pdf](#)

The website URL where information about the innovation is available :

<http://ehs.unc.edu/environmental/stormwater/>

Responsible Party

Sally Hoyt

Stormwater Systems Engineer
Energy Services

Criteria

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-

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

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

Reclaimed Water System

To reduce potable water consumption in our rapidly growing, drought-prone region, UNC Chapel Hill partnered with the local water provider, Orange Water and Sewer Authority (OWASA) to construct a reclaimed water system that became functional in 2009. This innovative partnership allowed UNC to fund development of the OWASA reclaimed water system by reserving reclaimed water capacity for UNC and enabling reclaimed water service to non-UNC customers in the future.

Highly treated wastewater from OWASA is disinfected, stored, and pumped to campus where it is used for specific non-potable uses.

Cooling tower make-up water for the University's five centralized chilled water plants is by far the largest water use on campus, accounting for more than 200 million gallons of water per year. Three chilled water plants connected in the spring of 2009, and by the summer of 2010 the entire campus cooling load was met with cooling towers using reclaimed water. This reduced total potable water consumption at UNC by 25%. The reclaimed water is also used at the UNC Hospitals' chiller plant (50 million gallons per year) and will be used for irrigation at the football stadium, the baseball stadium, and other athletic fields (10 million gallons per year). Reclaimed water will also be used to flush toilets in new buildings located near the distribution network, including the NC Botanical Garden Visitors Center and the Genomic Sciences Building.

This \$10 million investment by UNC will ultimately reduce total water demand on the community's potable water supply by up to 10 percent and will allow OWASA to postpone the development of an additional water supply source. Given that the region experienced record 100-year droughts in both fiscal year 2003 and fiscal year 2008, UNC's reclaimed water system will reduce the vulnerability of the hospital, the medical research facilities, the campus, and the town as a whole to future water shortages.

The reclaimed water system has the additional benefit of reducing greenhouse gas emissions because distributing the reclaimed water to campus requires less pumping than obtaining, treating, and distributing potable water.

A letter of affirmation from an individual with relevant expertise :

[Innovation letter Reclaimed Water System_FINAL.pdf](#)

The website URL where information about the innovation is available :

<http://www.energy.unc.edu/reclaimed-water-system-celebration>

Supplemental

Supplemental Data

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

Credit
New Student Orientation
Food Education
Food and Beverage Purchases
Confinement-Free Food Purchases
Vegetarian-Fed Food Purchases
Hormone-Free Food Purchases
Seafood Purchases
Dishware
Energy Initiatives
Energy Use by Type
Procurement
Bike Sharing
Water Initiatives
Endowment
Sustainability Staffing

New Student Orientation

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

Criteria

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

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

Does new student orientation include presentations, speakers, or skits that address sustainability and take place in large venues that most or all first-year students attend? :

Yes

Provide a brief description of the presentations, speakers or skits :

The Sustainability Office staffs an information table at all orientation events throughout the summer, at Fall Fest, and at the Sustainability Social during the week of welcome.

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

Yes

Provide a brief description of the presentations :

Residential Advisors are briefed about sustainability initiatives, Green Games, and EcoReps and convey this information to their residents.

Does new student orientation actively engage students in activities that raise awareness about sustainability, highlight how sustainability plays out on campus, or allows students to take part in a productive green activity? :

Yes

Provide a brief description of the activities :

Students are asked to take a Sustainability Pledge, sign up for the sustainability listserv, and given a Carolina Green water bottle. They are also introduced to sustainability themes at the campus dining halls and at week of welcome events.

Does the institution make new student orientation more sustainable via efforts such as a zero-waste meal or carbon offsets? :

Yes

Provide a brief description of the efforts :

Comprehensive recycling opportunities and signage are provided at Move In and during Fall Fest. The Sustainability Social is a zero-waste, deep green event, that is green events certified.

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

Yes

Provide a brief description :

Information disseminated by UNC Housing and Residential Education and the New Student and Parents Program contains tips about how to purchase, pack, and live sustainability. Carolina Wellness distributes sustainability related information to RAs.

Food Education

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

Criteria

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

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

Are students educated in an academic class about how to make eco-positive food choices? :

Yes

Provide a brief description :

The Apples Service Learning course Sustainable, Local Food Systems -- Intersection of local foods and public health, Nutrition 245, teaches students about how to make eco-positive food choices. Many American Studies, Anthropology, and Nutrition courses also address eco-positive food choices.

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

Yes

Provide a brief description :

Signage, websites, daily electronic menu boards, farm labels, regularly scheduled theme meals, and an on-site dietician educate students about eco-positive food choices

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

Yes

Provide a brief description :

During the summer-long orientation program, students are introduced to the eco-positive food options available in the dining halls.

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

Yes

Provide a brief description :

Student organizations such as Fair Local Organic (FLO) Food and Hope Gardens, and campus departments such as the Center for Health Promotion and Disease Prevention and the Sustainability Office, educate students about eco-positive food choices via events, websites, guest speakers, internships, etc

Is there a program by which students are encouraged to and/or taught how to grow their own food? :

Yes

Provide a brief description of the program :

Students are invited to work in the Carolina Campus Community Garden and the Hope Garden to learn how to grow food organically.

Food and Beverage Purchases

Responsible Party

Will Bryant

Sustainability Coordinator
Carolina Dining Services

Criteria

Institution provides details of its food and beverage purchases.

Submission Note:

Carolina Dining Services purchases cage-free eggs, pasture-raised pork and beef, and organically grown produce from approximately 30 local vendors and 20 local processors who are located within 150 miles of campus. Local food purchases account for nearly 25 percent of CDS' monthly purchases.

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

The percentage of food and beverage expenditures that were processed within 100 miles of the institution by a company that is not publicly traded :

2

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

14

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

Self-created excel spreadsheet

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

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

List all Fair Trade certified items purchased :

Fair trade coffee is sold in multiple locations across campus. Carolina Dining Services also uses fair trade chocolate.

Confinement-Free Food Purchases

Responsible Party

Will Bryant
Sustainability Coordinator
Carolina Dining Services

Criteria

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

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

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

Farmorg (Sysco)

Percentage purchased :

0.20

Comments :

Cage-free eggs are served in omelettes in dining halls.

Type of confinement-free product purchased (1st product) :

Percentage purchased (1st product) :

Comments (1st product) :

Type of confinement-free product purchased (2nd product) :

Percentage purchased (2nd product) :

Comments (2nd product) :

Type of confinement-free product purchased (3rd product) :

Percentage purchased (3rd product) :

Comments (3rd product) :

Type of confinement-free product purchased (4th product) :

Percentage purchased (4th product) :

Comments (4th product) :

Vegetarian-Fed Food Purchases

Responsible Party

Will Bryant

Sustainability Coordinator

Carolina Dining Services

Criteria

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

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

Type of vegetarian-fed product purchased (1st product) :

Grayson Natural Foods grass-fed, hormone-free beef

Percentage purchased (1st product) :

7.10

Comments (1st product) :

Type of vegetarian-fed product purchased (2nd product) :

Percentage purchased (2nd product) :

Comments (2nd product) :

Type of vegetarian-fed product purchased (3rd product) :

Percentage purchased (3rd product) :

Comments (3rd product) :

Type of vegetarian-fed product purchased (4th product) :

Percentage purchased (4th product) :

Comments (4th product) :

Type of vegetarian-fed product purchased (5th product) :

Percentage purchased (5th product) :

Comments (5th product) :

Hormone-Free Food Purchases

Responsible Party

Will Bryant
Sustainability Coordinator
Carolina Dining Services

Criteria

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

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

Type of hormone-free product purchased (1st product) :

Grayson Natural Foods grass-fed, hormone-free beef

Percentage purchased (1st product) :

7.10

Comments (1st product) :

Type of hormone-free product purchased (2nd product) :

Percentage purchased (2nd product) :

Comments (2nd product) :

Type of hormone-free product purchased (3rd product) :

Percentage purchased (3rd product) :

Comments (3rd product) :

Type of hormone-free product purchased (4th product) :

Percentage purchased (4th product) :

Comments (4th product) :

Type of hormone-free product purchased (5th product) :

Percentage purchased (5th product) :

Comments (5th product) :

Seafood Purchases

Responsible Party

Will Bryant

Sustainability Coordinator

Carolina Dining Services

Criteria

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

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

Type of seafood product purchased that meets Marine Stewardship Council Blue Ecolabel standards and/or Monterey Bay Aquarium Seafood Watch guidelines (1st product) :

Icelandic Seafoods, High Liner Seafoods

Percentage purchased (1st product) :

71.15

Standard used (1st product) :

Comments (1st product) :

Type of seafood product purchased that meets Marine Stewardship Council Blue Ecolabel standards and/or Monterey Bay Aquarium Seafood Watch guidelines (2nd product) :

Percentage purchased (2nd product) :

Standard used (2nd product) :

Comments (2nd product) :

Type of seafood product purchased that meets Marine Stewardship Council Blue Ecolabel standards and/or Monterey Bay Aquarium Seafood Watch guidelines (3rd product) :

Percentage purchased (3rd product) :

Standard used (3rd product) :

Comments (3rd product) :

Type of seafood product purchased that meets Marine Stewardship Council Blue Ecolabel standards and/or Monterey Bay Aquarium Seafood Watch guidelines (4th product) :

Percentage purchased (4th product) :

Standard used (4th product) :

Comments (4th product) :

Type of seafood product purchased that meets Marine Stewardship Council Blue Ecolabel standards and/or Monterey Bay Aquarium Seafood Watch guidelines (5th product) :

Percentage purchased (5th product) :

Standard used (5th product) :

Comments (5th product) :

Dishware

Responsible Party

Will Bryant

Sustainability Coordinator

Carolina Dining Services

Criteria

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

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

Does the institution offer reusable dishware at its dining services locations? :

Yes

Does the institution offer plastic dishware at its dining services locations? :

No

Does the institution offer polystyrene (Styrofoam) dishware at its dining services locations? :

No

Does the institution offer post-consumer recycled content dishware at its dining services locations? :

No

Does the institution offer biodegradable / compostable dishware at its dining services locations? :

No

Does the institution offer other types of dishware at its dining services locations? :

Yes

Provide a brief description. :

Bamboo plates, china plates, washable silverware, and plastic reusable to-go containers

Responsible Party

Chris Martin
Director
Energy Management

Criteria

Institution provides details about its energy initiatives.

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

The percentage of total building space square footage that has undergone energy retrofits or renovations within the past three years :

84

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

24

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

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

The combined gross square footage of all buildings that were constructed or underwent renovations in the past three years that are ENERGY STAR labeled :

The names of all buildings that were constructed or underwent renovations in the past three years that are ENERGY STAR labeled :

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

The names of all buildings that are ENERGY STAR labeled :

Energy Use by Type

Responsible Party

Ray DuBose
Director
Energy Services

Criteria

Institution reports its energy use by type.

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

The percentage of total electricity use from coal. :

62

The percentage of total electricity use from wind. :

0

The percentage of total electricity use from biomass. :

0

The percentage of total electricity use from natural gas. :

0

The percentage of total electricity use from solar PV. :

0

The percentage of total electricity use from geothermal. :

The percentage of total electricity use from nuclear. :

38

The percentage of total electricity use from hydro. :

The percentage of total electricity use from other. :

24

Provide a brief description. :

cogeneration

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

99

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

0

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

0

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

1

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

The percentage of total energy used for heating buildings from fuel oil. :

0

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

0

Provide a brief description. :

Some PV and geothermal used on campus. But with 18 mill ft² of buildings, more than 25% of them lab buildings, the small amounts produced by these systems are less than 1% of the totals

If cogeneration, please explain. :

UNC's 32 MW cogeneration plant is coal fired

Responsible Party

Cindy Shea
Director, Sustainability Office
Facilities Services

Criteria

Institution provides details about its procurement efforts.

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

The percentage of institutionally purchased appliances that are ENERGY STAR rated (of eligible appliance categories) :

100

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

Yes

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

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

Bike Sharing

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

Criteria

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

Submission Note:

Bike sharing program launched in three high-rise residence halls in 2012.

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

The number of bicycles available through bike sharing programs :

30

Water Initiatives

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

Criteria

Institution provides details about its water initiatives.

Submission Note:

UNC installed a reclaimed water system for cooling tower makeup water and irrigation. During the summer, this system avoids the use of 1,000,000 gallons of potable water per day. UNC used 190,246,000 gallons of nonpotable water in FY 2011 and has reduced its potable water consumption 40% since FY2003.

Waterfree urinals were removed. They were replaced with pint urinals. Water bottle refill stations exist in multiple locations.

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

Is there is a ban or restriction on selling or distributing bottled water on campus? :

No

Provide a brief description of any bottled water ban or restriction :

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

Yes

The percentage of urinals on campus that are waterless :

5

Endowment

Responsible Party

Cindy Shea
Director, Sustainability Office
Facilities Services

Criteria

Institution provides details about its endowment.

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

The institution's total endowment market value as of the close of the most recent fiscal year :

2220000000 US/Canadian \$

Date as of :

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

No

If yes, or if currently under consideration, provide a brief description :

Has the institution made investments in on-campus energy and/or water efficiency projects through the endowment (as an endowment investment and not a payout or using operating budget funds) :

No

Size of capital commitments made within past 3 years :

Provide a brief description :

Does institution lack the ability to vote proxies on environmental and social resolutions, as the entire equity holdings of the endowment are invested in mutual funds (e.g. CommonFund, Fidelity, Vanguard)? :

Yes

Does the institution lack the ability to vote proxies on corporate governance resolutions, as the entire equity holdings of the endowment are invested in mutual funds (e.g. CommonFund, Fidelity, Vanguard)? :

Yes

Do investment managers handle the details of proxy voting on environmental and social resolutions? :

Yes

Do investment managers handle the details of proxy voting on corporate governance resolutions? :

Yes

Are investment managers provided with general guidelines that determine proxy votes on environmental and social resolutions? :

Are investment managers provided with general guidelines that determine proxy votes on corporate governance resolutions? :

Are investment managers provided with specific guidelines that determine proxy votes on environmental and social resolutions? :

Are investment managers provided with specific guidelines that determine proxy votes on corporate governance resolutions? :

Does a single administrator determine proxy votes on environmental and social resolutions? :

No

Does a single administrator determines proxy votes on corporate governance resolutions? :

No

Does a committee of administrators and/or trustees deliberate and make decisions on proxy votes on environmental and social resolutions? :

Does a committee of administrators and/or trustees deliberate and make decisions on proxy votes on corporate governance resolutions? :

Does a committee that includes student representatives deliberate and make recommendations or decisions on proxy

votes on environmental and social resolutions? :

No

Does a committee that includes student representatives deliberate and make recommendations or decisions on proxy votes on corporate governance resolutions? :

No

Is institution community feedback incorporated into proxy voting decisions on environmental and social resolutions through town hall meetings or a website? :

No

Is institution community feedback incorporated into proxy voting decisions on corporate governance resolutions through town hall meetings or a website? :

No

Sustainability Staffing

Responsible Party

Cindy Shea

Director, Sustainability Office
Facilities Services

Criteria

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

Submission Note:

In addition to Sustainability Office staff, there are dozens of additional staff who work regularly on sustainability. These include the Office of Waste Reduction and Recycling; Energy Management; Facilities Planning; Energy Services; Design and Construction; Carolina Dining Services; News Services; Transportation; Environment, Health and Safety; Institute for the Environment; Center for Sustainable Enterprise; Environmental Finance Center; School of Public Health, many academic departments, etc

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

The amount of weekly time worked by people employed in the sustainability office (in full-time equivalent) :

4

FTE staff on payroll :

2

FTE student intern/fellow :

2