

2015

Sustainability Report

www.uncp.edu/sustainability



On the cover: Students, faculty, and staff assemble to show support for the campus's sustainability efforts, PRESERVE PEMBROKE! In the background, one of the campus's four plug-in electric vehicle charging stations with its carbon-offsetting solar photovoltaic array. This charging station and solar array came online during the 2015 fall semester.



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<https://www.facebook.com/UNCP-Sustainability>



<https://twitter.com/UNCPsustainable>

Acknowledgments

This report was created by the Sustainability Office (Jay Blausler, director, and Justin Duncan, coordinator) with contributions and input from many people and departments across campus, reviewed and edited by University Communications and Marketing, and approved by the Sustainability Council. The chancellor and cabinet endorse this report and appreciate the efforts of all who made this publication possible.

Note: The Association for the Advancement of Sustainability in Higher Education is to be credited for the category listing layout used in this report, which follows the categories listed in the Sustainability Tracking, Assessment & Rating System™ framework. These categories enable universities to share their sustainability story in an organized and comprehensive manner. UNC Pembroke is a proud member of AASHE and the STARS program.

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Letter from the Chancellor

Sustainability has always been a part of the mission, core values and vision of the University of North Carolina at Pembroke, and it remains one of our guiding commitments for success. Helping students become responsible stewards of the world; promoting social responsibility; and maintaining a safe, healthful and accessible campus are among our strategic priorities that address sustainability.

We have created a campus culture that promotes environmental and economic sustainability by considering how our long-term decisions and everyday actions affect the university, the natural world and our financial bottom line. The design of high-performance, energy-efficient facilities is just one of the ways our institution shows its commitment to sustainability. The Student Health Services building currently under construction is the latest example. Our students, faculty and staff do their parts in a variety of ways, including reducing waste, promoting alternative energy and volunteering during service. I thank you for your role and challenge you to continue looking for ways to make a positive and meaningful difference on our campus and in our community.

I hope you enjoy reviewing some of our past year's accomplishments, and I look forward to our continued efforts working together as we change lives through education.

Warm regards,

A handwritten signature in black ink, appearing to read 'R. Cummings', written in a cursive style.

Robin Gary Cummings

Chancellor



Letter from the Chief Sustainability Officer



Welcome to UNC Pembroke's 2015 Campus Sustainability Report:

In 2015, we continued moving the needle forward on sustainable progress. We increased our capacity of on-site solar, plug-in electric vehicle charging, recycling programs and academic integration. We also added to our list of the campus's "firsts," just to highlight a few:

- Constructed our first sustainable Leadership in Energy and Environmental Design (LEED)-certified building—Health Sciences Building (Silver)
- Lowered energy consumption by 40 percent over 2002 baseline—avoided \$1.1 million in operating costs
- Installed our first solar smart table—at the bookstore; charges mobile devices with clean solar power
- Established our first Food Recovery Network chapter—donating food overruns to local kitchens
- Hosted our first National Drive Electric Week event—one of 196 events around the world
- In 2015, calculated the campus's baseline (FY2013) carbon footprint—reduced it by 1.5 percent in FY2014

As we keep improving the campus's social impact, reducing our environmental impact and increasing our financial position, look for opportunities to participate, volunteer, lead, follow, encourage and to continue being part of the solution. My thanks to all of those who are doing the work identified in this annual report.

Go, Braves! Preserve Pembroke!

Sincerely,

A handwritten signature in black ink, appearing to read "H. Jay Blauser".

H. Jay Blauser
Sustainability Director





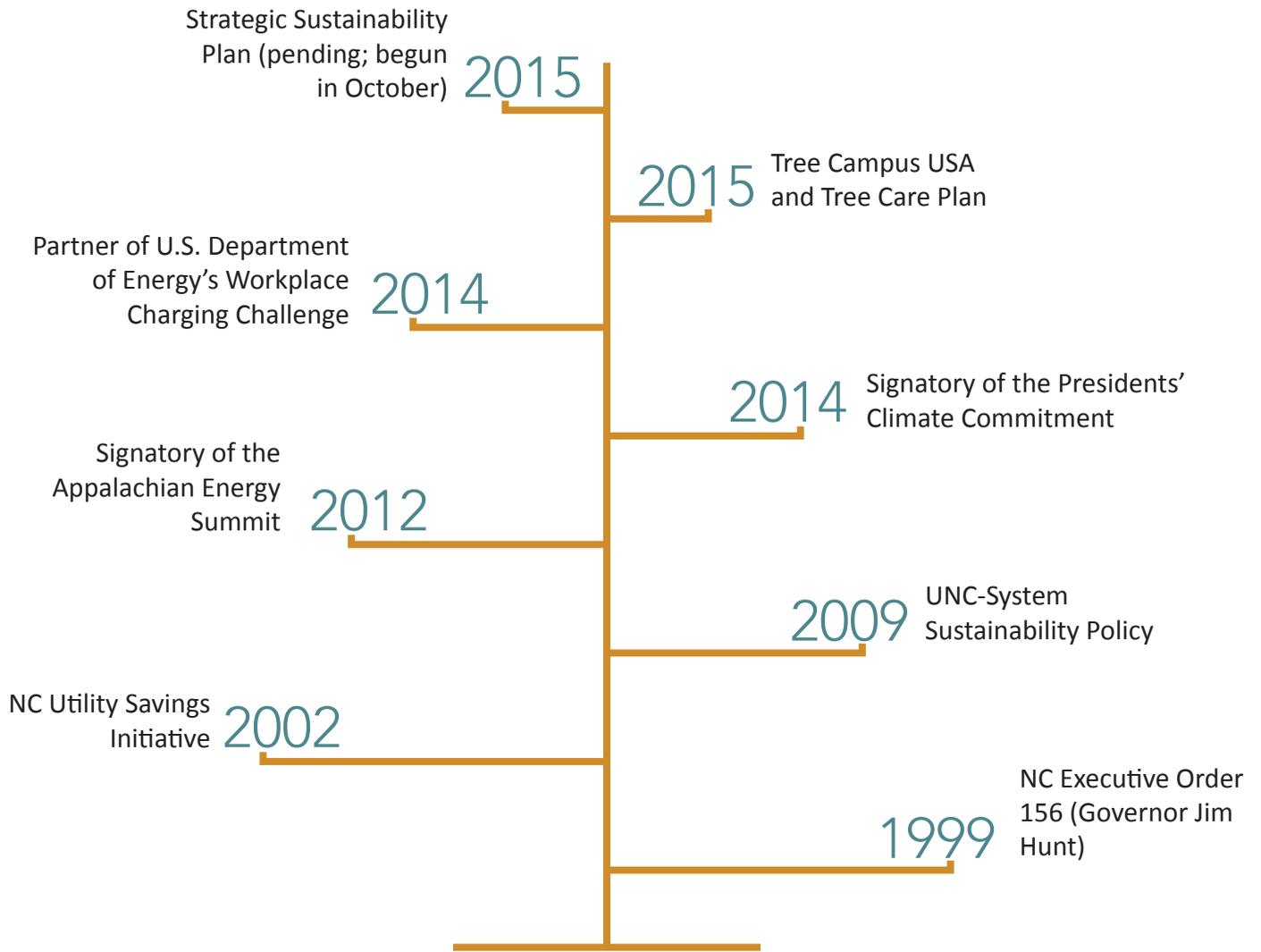
UNIVERSITY OF NORTH CAROLINA AT PEMBROKE

OLD MAIN

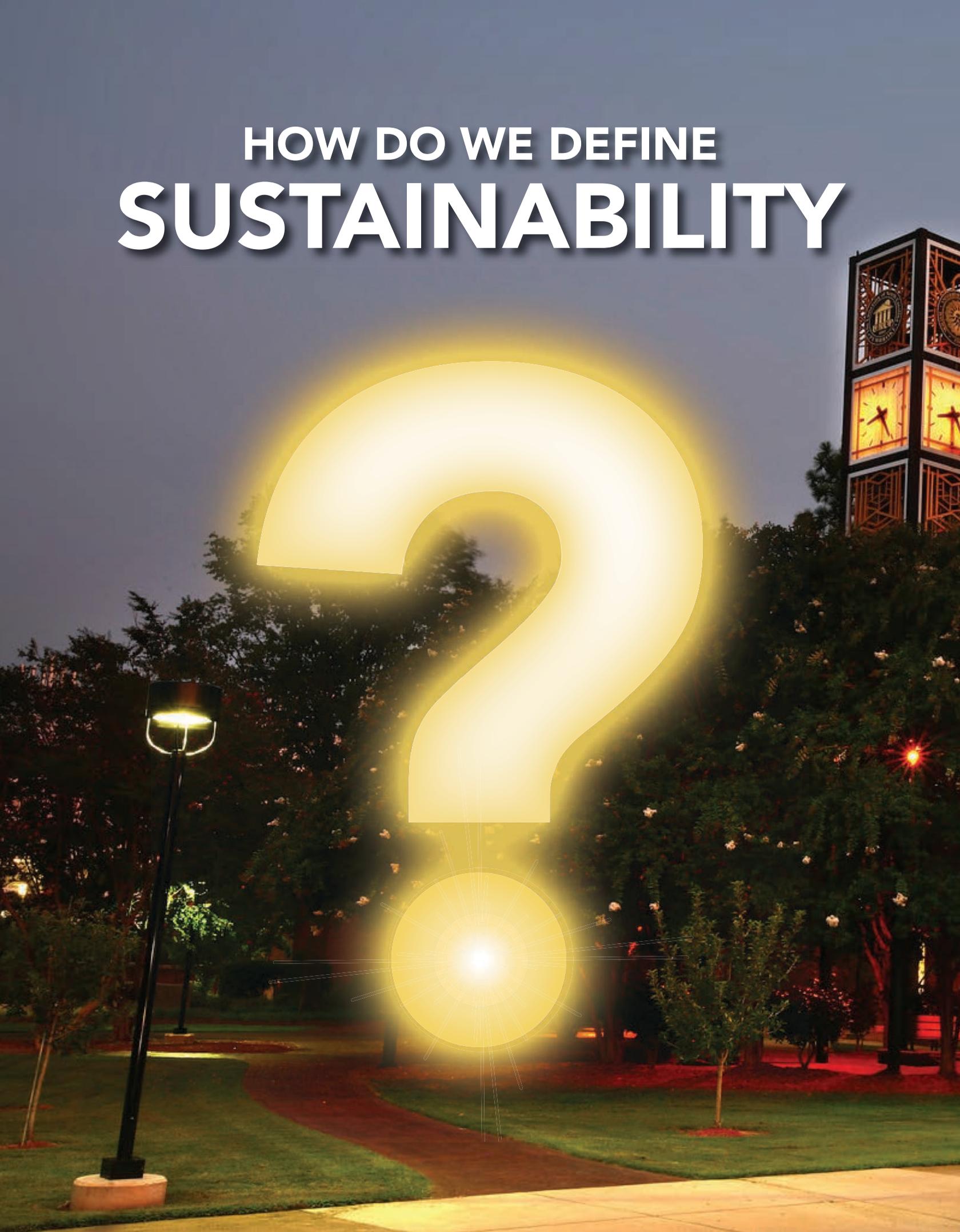
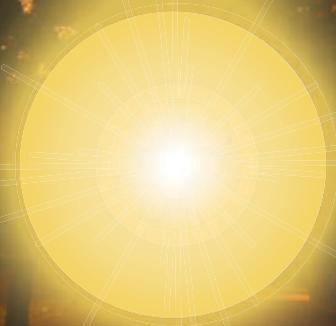
Photo: Old Main.

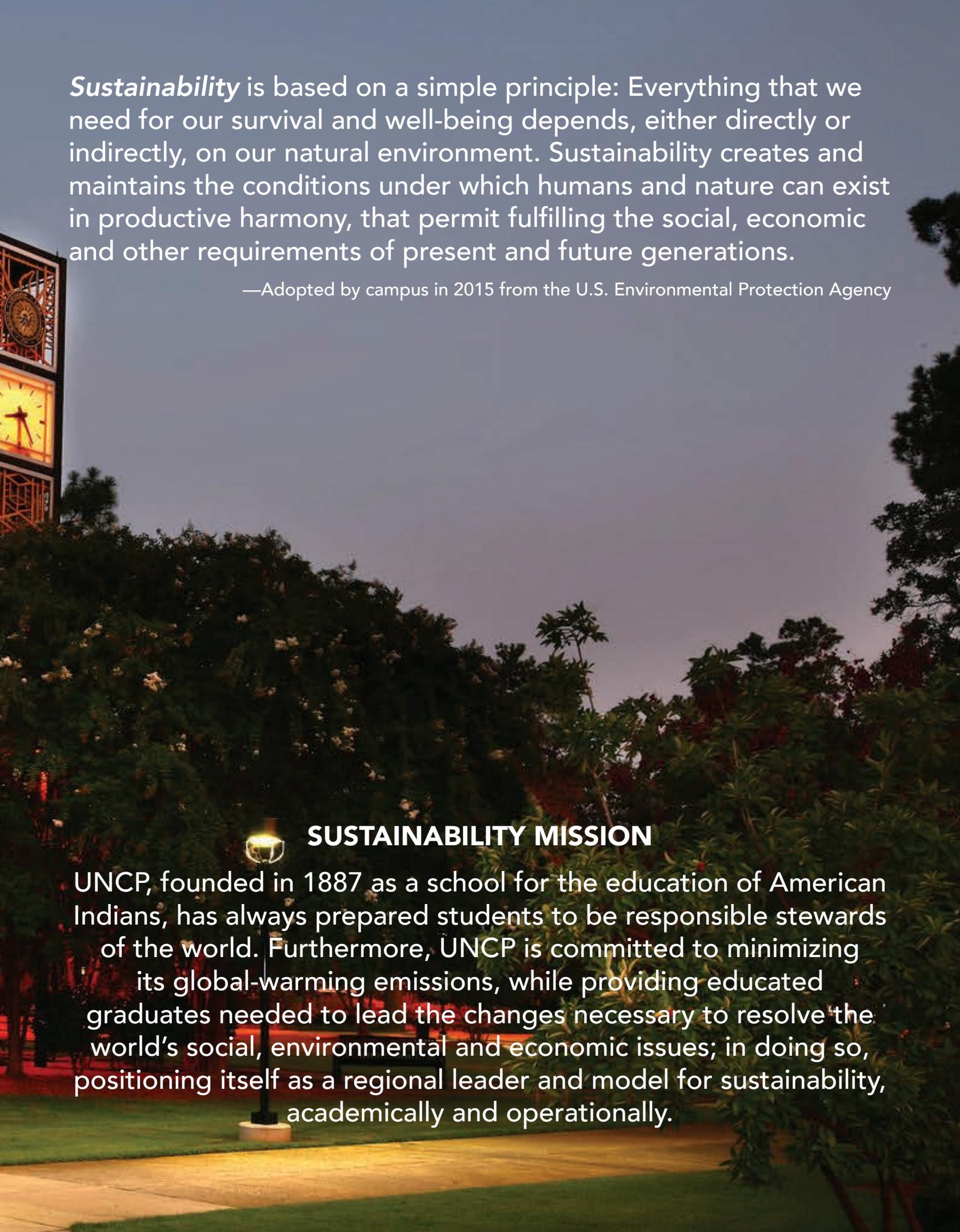
GUIDANCE & COMMITMENTS

The University of North Carolina at Pembroke (UNCP) is committed to being a good steward of all assigned natural, human and financial resources. The governing bodies, directives and voluntary commitments toward sustainability below provide the foundation for the campus’s sustainability advancement efforts and offer support and direction for mission accomplishment.



HOW DO WE DEFINE SUSTAINABILITY





Sustainability is based on a simple principle: Everything that we need for our survival and well-being depends, either directly or indirectly, on our natural environment. Sustainability creates and maintains the conditions under which humans and nature can exist in productive harmony, that permit fulfilling the social, economic and other requirements of present and future generations.

—Adopted by campus in 2015 from the U.S. Environmental Protection Agency

SUSTAINABILITY MISSION

UNCP, founded in 1887 as a school for the education of American Indians, has always prepared students to be responsible stewards of the world. Furthermore, UNCP is committed to minimizing its global-warming emissions, while providing educated graduates needed to lead the changes necessary to resolve the world's social, environmental and economic issues; in doing so, positioning itself as a regional leader and model for sustainability, academically and operationally.

Curriculum and Research

Academics are at the core mission of our university, and it is critical to integrate sustainability principles into coursework and research in order to prepare educated graduates to enter the global workforce as productive leaders driving the changes needed to achieve climate neutrality.

ACADEMIC GOALS



- Make climate neutrality and sustainability a part of the curriculum and educational experience for all students.
- Expand research or other efforts necessary to achieve climate neutrality as soon as possible or by 2050 at the latest.
- Educate our students to be the leaders of tomorrow through our active and demonstrative pursuit of the campus's sustainability goals.
- Position UNCP, the University of North Carolina system and our private university colleagues as regional and national leaders in sustainability education and low global-warming emissions.



Photo: (Above Left) Dr. Calvina Ellerbe, assistant professor, UNCP giving Last Lecture Series. (Right) Lecture by Dr. John Roe, assistant professor, UNCP discussing ecology of the eastern box turtle.

Progress Made in 2015

- Ninety-five percent of 793 recent campus survey respondents (UNCP faculty, staff and students) support sustainability education
- Submitted proposed interdisciplinary academic minor in sustainability program for approval
- Hosted a public screening of energy documentary “Switch,” shown on Earth Day 2015—over 80 attended
- Eight students completed an ecology study abroad trip to Costa Rica
- Coordinated a geology trip to Yellowstone National Park that uncovered natural geologic formations
- Held a series of biology seminars that taught about our natural world
- Hosted the 2015 Annual NC Louis Stokes Alliance for Minority Participation Research Conference

Highlights of Progress Toward Success

ENERGY MOVIE: "SWITCH," HOSTED BY THE GEOLOGY DEPARTMENT, GEO CLUB AND SUSTAINABILITY OFFICE

BY DAREN NELSON, PHD, ASSISTANT PROFESSOR, DEPARTMENT OF GEOLOGY AND GEOGRAPHY

About 80 people attended the screening of the nationally acclaimed documentary "Switch," which was shown on Earth Day 2015. Included was a panel discussion after the movie with regional energy experts. The documentary covered where we get our energy in the U.S. and how we as a nation can become more efficient and conserve our energy resources. Dialogue with the panelists covered questions ranging from current energy production technologies to what is expected for the future.

Photo: Panel speakers from left to right, Justin Duncan, sustainability coordinator, UNCP; Jay Nemeth, director of business operations, Green Co Solutions; Walter White, marketing manager, Lumbee River EMC; and David McNeill, district manager of government and community relations in NC, Duke Energy Progress.



UNCP Students Explore Costa Rica (2015)

BY TONYA LOCKLEAR, ADMINISTRATIVE ASSISTANT, BIOLOGY DEPARTMENT

Over the summer, Dr. Jane Haladay (American Indian studies) joined Dr. Debby Hanmer (biology), along with eight undergraduate and graduate students on a 14-day study abroad course, The Natural History & Indigenous Ecologies of Costa Rica (BIO 3025-001/AISS 2000-400). During daily field trips and excursions to rain forests, organic farms and sustainable coffee plantations, the students studied Costa Rica's diverse biological ecosystems, environmental conservation ethic and the impact of ecotourism on communities. The students also learned about the histories, cultures and languages of the indigenous peoples in Costa Rica. The class's community service project included a visit to the Maleku Indigenous Reserve, where UNCP students provided school supplies and a soccer ball to the schoolchildren and visited with tribal members about Maleku history and culture.

Photo: UNCP students and faculty learn about the Maleku indigenous people's culture in Costa Rica.



NATIONAL SUSTAINABILITY FACT:

The Association for the Advancement of Sustainability in Higher Education (AASHE) is helping to create a brighter future of opportunity for all by advancing sustainability in higher education. By creating a diverse community engaged in sharing ideas and promising practices, AASHE provides administrators, faculty, staff and students, as well as the businesses that serve them, with: thought leadership and essential knowledge resources; outstanding opportunities for professional development; and a unique framework for demonstrating the value and competitive edge created by sustainability initiatives. UNC Pembroke is a proud member along with over 730 other institutions of higher learning. For more information, visit www.aashe.org.



Geology Department Leads Trip to Yellowstone National Park

BY JUSTIN DUNCAN, SUSTAINABILITY COORDINATOR

The Geology Department and the Sustainability Office embarked on a 15-day field excursion to Yellowstone National Park. Undergraduate and graduate-level students accompanied by geology professor Dr. Daren Nelson and Sustainability Coordinator Justin Duncan drove across the country and camped in many national geologic locations to gain a firsthand look at our planet's ancient formations.

Photo: Yellowstone trip attendees pose in front of Badlands National Park, South Dakota.



National Science Foundation
WHERE DISCOVERIES BEGIN

UNCP Hosts 2015 Annual NC Louis Stokes Alliance for Minority Participation Research Conference

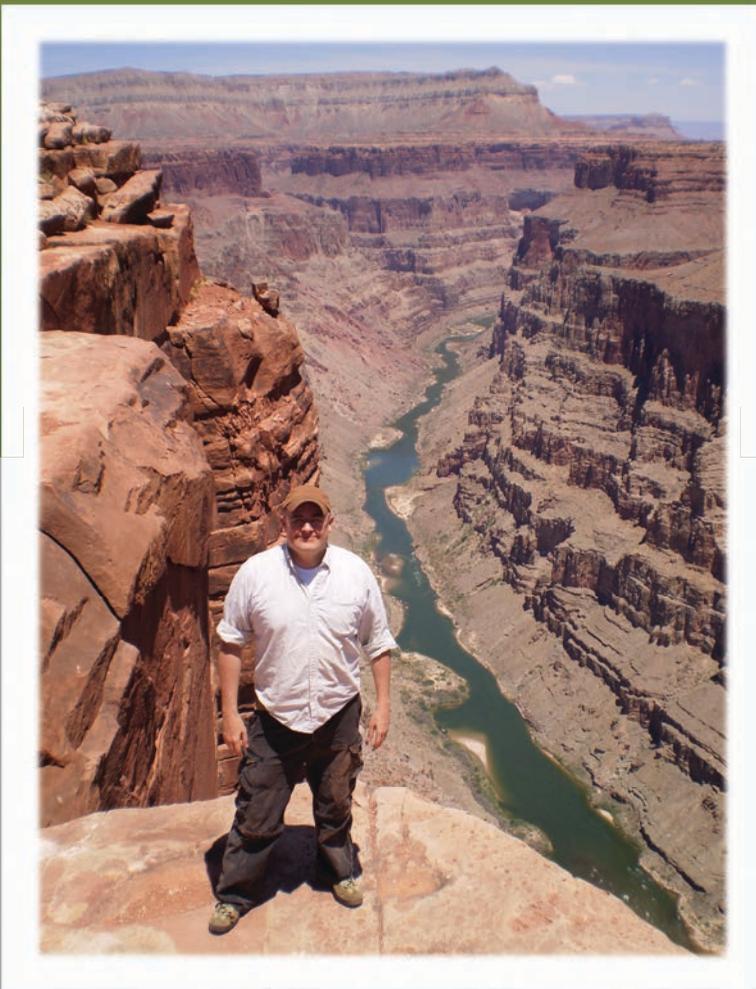
The NC Louis Stokes Alliance for Minority Participation (NC-LSAMP) seeks to increase the quality and quantity of students successfully completing science, technology, engineering and mathematics (STEM) baccalaureate degree programs. The program also strives to raise the number of students interested in, academically qualified for and matriculated into programs of graduate study. NC-LSAMP provides program activities designed to increase recruitment, retention and degree attainment among student populations historically underrepresented in STEM fields. The 2015 conference included workshop presentations by Alliance STEM faculty and staff who shared promising practices in recruiting, retaining and graduating students in STEM, and student poster presentations. Over 170 attended this year's conference, hosted at the UNCP campus. NC-LSAMP is a program sponsored by the National Science Foundation.

ECO-LEADER:

Daren Nelson, Ph.D., assistant professor (geosciences)

Dr. Daren Nelson is currently developing a sustainability minor here on campus that will be housed in the Geology and Geography Department. The minor will be interdisciplinary in nature and will draw from departments all across campus. The program will give students a directed approach to sustainable concepts that will assist them in their future careers.

He is also working as a collaborator for an NSF-funded project called "InTeGrate," interdisciplinary teaching about Earth for a sustainable future. It involves implementing new teaching techniques within earth science courses that will improve geoscientific understanding and sustainable principles related to Earth. The goal of the national project is to increase the number of majors in the geosciences and related fields who are able to work with other scientists, social scientists, businesspeople and policy makers to develop viable solutions to current and future environmental and resource challenges.



"As part of the Geology and Geography program, our goal is to help students become more aware of how they interact with the earth and to help them understand how science can impact our politics, economics and our everyday living."

Campus Engagement and Public Engagement

Sustainability is a journey, and in order to make progress along the journey toward climate neutrality we must continually engage both the campus and local community to rally support, celebrate successes and build momentum for continued progress.

ENGAGEMENT GOALS



- Routinely interact with the campus community to ensure awareness of the campus’s sustainability goals, opportunities for involvement and progress to date, especially with new students and employees.
- Create a culture of environmental and economic sustainability on campus and across the UNC system through administrative leadership, student involvement, curricula development, campus operations, and new partnerships among the university, its benefactors and industry.



Photos: (Above) Students planting evergreen trees during 2015 - 9/11 Day of Service and Arbor Day Observance, (Right) . Kristi Jacobsen Brodd, outreach coordinator with Advanced Energy, educating attendees about PEVs.



Progress Made in 2015

- Established Food Recovery Network Chapter—served over 360 meals, which diverted 663 pounds of food
- Over 2,300 students volunteered over 17,000 hours in both community service and service learning in 2015
- The 2015 9/11 Day of Service and Arbor Day Observance made a significant social and environmental impact
- Half-dozen students took part in a field trip to Asheville for the Real Food Summit
- First-ever National Drive Electric Week Event educated 45 campus attendees, to include the local community
- Partnership with the State Employees Credit Union provided summer intern in the Sustainability Office
- Collected over 600 pounds of food items during the campus's Stop Hunger Campaign for Food Pantry
- Established campus's local food baseline, less than 1% through NC 10% Campaign—partnering with local farmers
- Staff invited to speak about campus's sustainability efforts at the 2015 Sandhills Clean Energy Summit in Fayetteville
- UNCP is gearing up to host the 2016 Appalachian Energy Summit on February 16, 2016

Highlights of Progress Toward Success

UNCP Establishes Food Recovery Network Chapter

BY JONATHAN MILLER, SUSTAINABILITY INTERN

The Food Recovery Network chapter at UNCP captures the daily food overruns from the cafeteria. The food is prepared for transport to one of three local partners in the community, two of which are accessible to campus students in addition to the surrounding community. This effort is possible by a partnership with the Community & Civic Engagement Office, Campus Dining Services (Sodexo), student volunteers and interns. Over 360 people have been fed and a total of 663 pounds of food have not been wasted and were diverted from the landfill. For more information, or to volunteer, contact the Community & Civic Engagement Office at studentaffairs.uncp.edu/community-civic-engagement.

Photo: Student volunteers and interns prepare daily food overruns for delivery to partners at Pembroke Housing Authority, Sacred Pathways and Vertical Church. Left: Jonathan Miller, sustainability intern. Right: Robert Sam, student service leader. Center foreground: Andrina Corella, student volunteer.



Volunteer Community Service and Service Learning



BY CHRISTIE POTEET, DIRECTOR, OFFICE FOR COMMUNITY AND CIVIC ENGAGEMENT

The Office for Community & Civic Engagement (CCE) at UNC Pembroke supports the university mission to develop responsible citizenship through education opportunities and provide service to our neighboring communities. The department provides opportunities for college students to recognize their civic potential and take initiative to develop it. Students enrich and enhance their education experience through active, engaged service.

Students are engaged in service through co-curricular service and service learning. Service learning is a teaching and learning strategy that integrates meaningful community service with instruction and reflection to enrich the learning experience, teach civic responsibility and strengthen communities. Service learning takes place within the curriculum to help students to bridge a connection between theory and practice.

- Total student volunteers: 2,351
(Service learning: 881)
(Co-curricular: 1,470)
- Total hours: 17,483
(Service learning: 11,075)
(Co-curricular: 6,408)
- Served an in-kind donation estimated at \$403,332
(Based on national value of volunteer time)
- Average GPA of student leader in service: 3.11
(Compared with average student body GPA of 2.7)
- Programs offered:
 - Student Service Leaders
 - Alternative Break Program
 - Days of Service
 - Co-Curricular Service Opportunities
 - Over 100 Community-Based Organizations
- CARE Resource Center:
 - Student Managed
 - On-Campus Food Pantry
 - Professional Clothing Closet
 - Service-Learning Lab
 - 415 visits; 66 percent students, 4 percent faculty/staff, 30 percent community members



Photo: Students volunteer during 9/11 Day of Service (2015).

- Academic service learning:
 - 55 courses; 66 percent increase from 2011
 - 881 students enrolled; 14.2 percent of student body
 - Over 80 percent of UNCP students stated service learning helped clarify career goals, connect with course curriculum, and better engage campus and community.

2015 - 9/11 Day of Service and Arbor Day Observance

BY JUSTIN DUNCAN, SUSTAINABILITY COORDINATOR

Over 250 students volunteered during 9/11 Day of Service, with 28 students helping plant 21 trees with the Grounds Department and Sustainability Office. The event was another step toward becoming recognized as a Tree Campus USA university. The rain did not dampen the spirits of these awesome volunteers! These trees served two other functions: 1) first phase of the new athletic complex's wind screen and 2) to sequester projected carbon emissions from the upcoming Appalachian Energy Summit in February 2016.



Photo: Left to right, students Ana Gudiel, Francisca Merino, Tiffany Smart and Jonathan Miller.

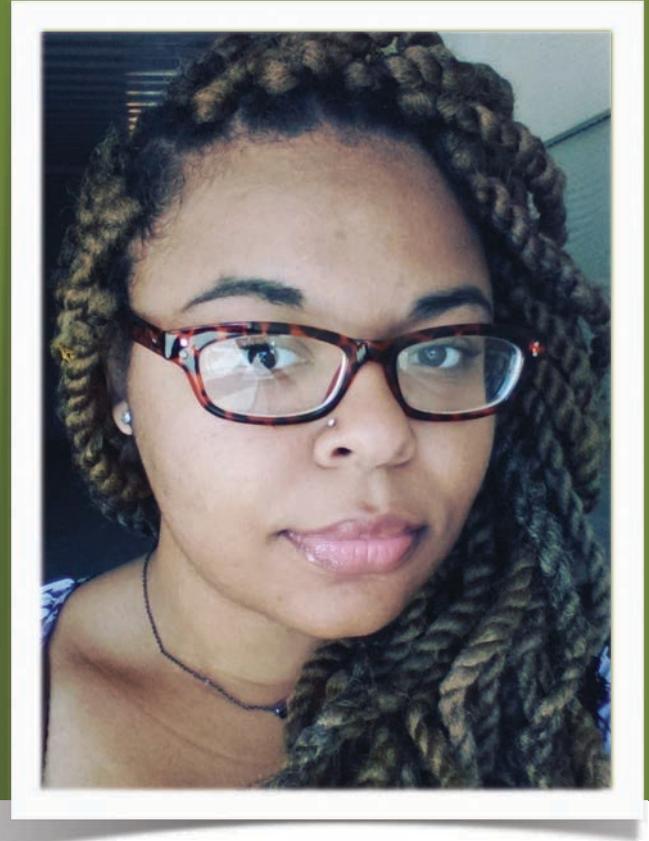
Real Food Summit in Asheville, North Carolina

BY JUSTIN DUNCAN, SUSTAINABILITY COORDINATOR

In February 2015, several students from UNCP attended the Real Food Challenge (RFC) regional strategy retreat. RFC held this intensive regional strategy retreat for the North Carolina region at Warren Wilson College in Asheville. At this retreat, about 20–40 students and veteran organizers converged for a powerful weekend of strategizing and community building, workshops, cooking, skill-sharing and storytelling. This retreat was geared for students who wanted to take on (or, in the case of UNCP, are in the midst of) the real food campaign on their campus—and are ready to dive into RFC's regional and national efforts. UNCP's local food ambassadors, Tiffany Smart and Ana Gudiel, were in attendance as well as the Greener Coalition's co-presidents, Stephanie Sellers and Jonathan Miller.

ECO-LEADER: Kayla Cox, sustainability intern (student)

Kayla Cox joined the sustainability team in September 2015. She is a political science major and a junior. She is an active member among the student population during volunteer days of service, to include tree planting. Kayla is an advocate for sustainable agriculture. Programs that she participates in are Food Recovery Network and Recycle-Mania. She enjoys learning about social and ecological issues and how to improve the balance between people and our natural world. Her overall goal: "to educate the student body about sustainability and to make it a part of the UNCP culture."



First Ever: National Drive Electric Week Event at UNCP (2015)

BY JUSTIN DUNCAN, SUSTAINABILITY COORDINATOR

The Sustainability Office hosted its first-ever National Drive Electric Week event on the lawn in front of Lumbee Hall. This was one of 196 events across the world where over 130,000 people learned about electric vehicles and took 9,000 test drives. At UNCP's event, 45 attendees participated and took 13 test drives thanks to Fred Anderson Nissan of Fayetteville and Dieffenbach GM Superstore, which brought a Nissan Leaf and Chevrolet Volt for test drives. Members from Advanced Energy in Raleigh participated in the event by speaking on new technologies and the growing awareness of plug-in electric vehicles (PEVs) in today's expanding market. More and more PEVs have been popping up on campus. With UNCP's growing solar infrastructure and the greater concern for the environment, several students, faculty and staff have switched to plug-in electric vehicles and hybrids! The campus now has a total of four PEV charging stations with 4 kilowatts of solar power offsetting each station's energy consumption, creating a net-zero application.

For more information, visit

www.uncp.edu/about-uncp/administration/departments/sustainability-office/engagement.

NC 10% Campaign Update

BY ANA GUDIEL, LOCAL FOOD AMBASSADOR, AND JONATHAN MILLER, SUSTAINABILITY INTERN

As part of our local food efforts and specifically the NC 10% Campaign, we finished a two-month assessment of purchasing invoices through Campus Dining (Sodexo) and have determined the campus's baseline of local food being bought and served, which is less than 1 percent. We found this number by going through the invoices from September 2013 and February 2014, and then adding the two purchasing months' total food items to get a total number of food items. At that point, we found there were only four total local food items: Sweet Potato No. 2 from Scott Farms in Faison, North Carolina; Hydro Bibb Lettuce from Green Haven Plant Farm in Carthage, North Carolina; Baby Fancy Lettuce Blend from Sunny Creek Farms in Tryon, North Carolina; and Sweet Fingerling Potato from Scott Farms in Faison, North Carolina. As a result, we divided the four total local food items by the total number of food items and found the overall baseline percentage listed above. Local food, according to the NC 10% Campaign, is considered food that is produced within the state of North Carolina.

We have begun the next phase of this effort, which included a field trip to two local farms in an effort to partner with campus dining. The Robeson County Cooperative Extension is also assisting with these efforts in addition to the NC 10% staff in Raleigh. Campus Dining (Sodexo) staff are assisting with this effort as well

Photo: UNCP students and staff discuss local real food with NC 10% staff, local farmers, Sodexo staff and Robeson County Cooperative Extension staff at the November 8, 2015, Local Food Summit in Durham, North Carolina.



Stop Hunger Campaign 2015

BY TWANDA SMITH, UNIT MARKETING COORDINATOR (SODEXO)

Sodexo recognizes that we are nothing without the communities that we serve. Twice a year, UNCP Dining Services gives the call to action to our customers in the form of accepting nonperishable food items in return for a free meal in the campus dining hall. The 2015 food drive began on Sunday, October 11, 2015, and ended on Saturday, November 14, 2015, during which time over 600 pounds of food items were collected during the Stop Hunger Campaign. All of the food collected was donated to the Campus Food Pantry, located in Wellons Hall, CARE Resource Center.

2015 Sandhills Clean Energy Summit in Fayetteville, North Carolina

BY SCOTT BIGELOW, NEWS EDITOR

Three staff members were invited as panel presenters to the 2015 Sandhills Clean Energy Summit event held on March 14 in Fayetteville, North Carolina. The event was hosted by Sustainable Sandhills and the Cumberland County Progressives. Terry Divine, director of energy management, spoke on balancing UNCP's sustainability and energy reduction goals with occupant comfort and educating students and employees about campus goals. Justin Duncan, sustainability coordinator, spoke about some of the campus's sustainable transportation initiatives: plug-in electric vehicle charging, bicycle rental program, shuttle bus and the low-emitting-vehicle preferred parking program. Jay Blausler, sustainability director, discussed the university's progress toward integrating sustainability into academics, research and service learning, with the first milestone being the creation of an interdisciplinary minor in sustainability.



Photo: Left to right, Jay Blausler, Justin Duncan and Terry Divine (champions for sustainability across campus).

NATIONAL SUSTAINABILITY FACT:

AASHE's Sustainability Tracking, Assessment & Rating System (STARS) is a transparent, self-reporting framework for colleges and universities to measure their sustainability performance. Over 720 institutions around the world are registered participants of the STARS program. UNCP announced its participation in September 2015. This program allows campuses to establish baselines from which to measure and track progress in all categories of sustainability performance.



OPERATIONS

Air and Climate, Buildings, Dining Services, Energy, Grounds, Purchasing, Transportation, Waste, Water

Operations initiatives offer the greatest opportunity for carbon footprint reduction on campus. These opportunities can also put a strain on our limited financial and human resources if not managed efficiently; therefore campuswide participation is needed for success.

OPERATIONAL GOALS



- Initiate the development of a comprehensive plan to achieve climate neutrality as soon as possible or by 2050 at the latest; measure carbon footprint and create a plan to reduce it; annually measure and monitor progress.
- Reduce and stabilize the university's average annual energy expenditures, currently equaling \$1,000 per student. Target costs associated with the university's rising annual \$228 million expenditure on energy. Focus on initiatives that will cumulatively save the university system in excess of \$1 billion over 20 years.
- Transform and stimulate the North Carolina economy through the support of green energy business.
- Create a culture of environmental and economic sustainability across the UNC system through administrative leadership, student involvement, curricula development, campus operations, and new partnerships between the university, its benefactors, and industry.
- Incorporate sustainability into the management and implementation of campus policies, master planning, design and construction, climate change mitigation and renewable energy, transportation, dining services, grounds and landscape, storm water and potable water, recycling and waste management, and purchasing efforts.



Photos: (Above Left) Summer Sustainability Intern, Robert Sam, taking soil samples in preparation for a tree planting event. (Above Right) Groundbreaking ceremony for new Health Services Building.

Progress Made in 2015

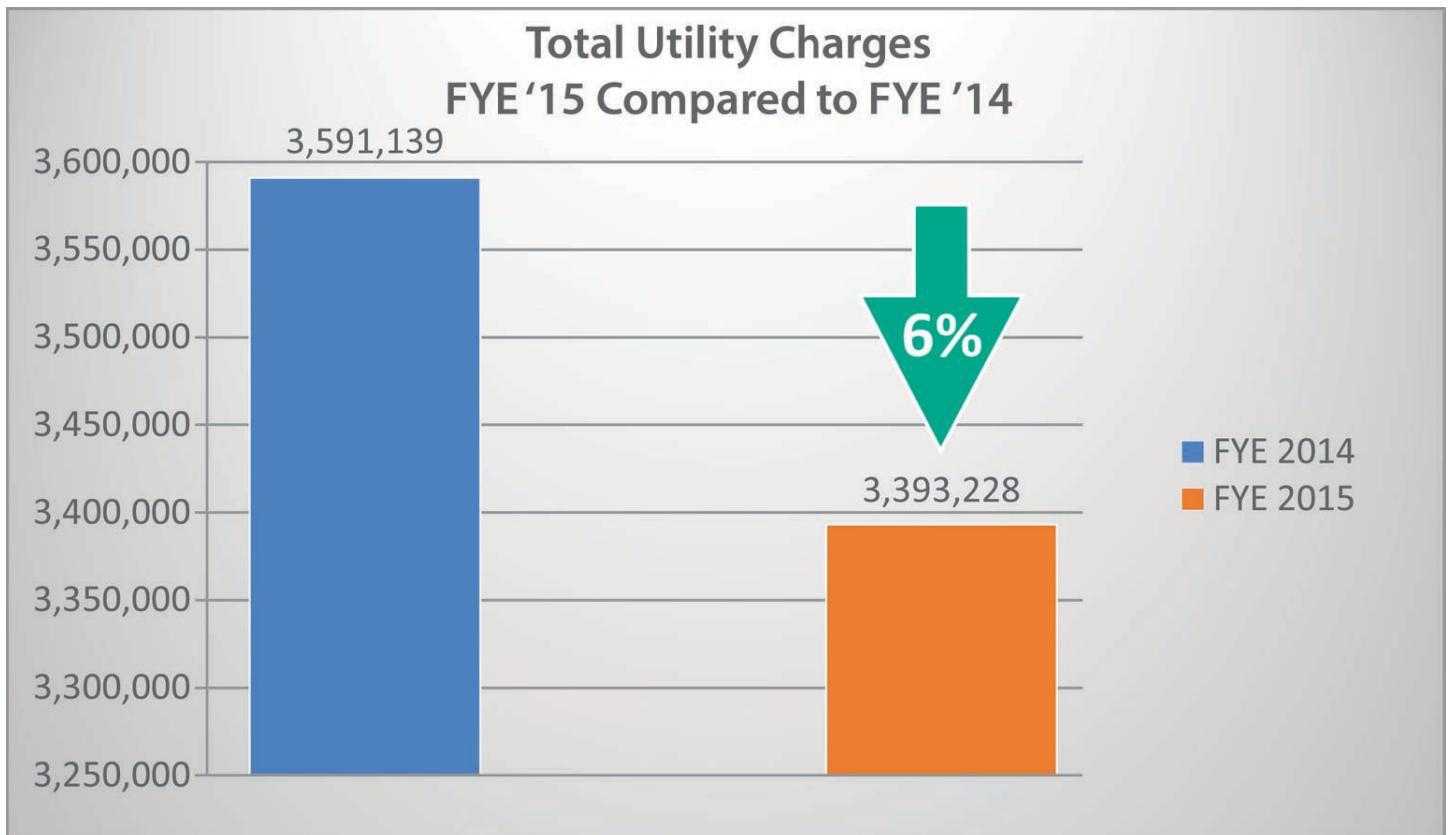
- UNCP beats the state's 30 percent energy reduction goal at 40 percent less than 2002–03 baseline in 2015—avoided \$1.1 million!
- Campus's baseline emissions, greenhouse gas inventory calculated for FY2013; lowered 1.5 percent in 2014; 2015 pending
- Recycling efforts continue to ramp up—recycling rate rose 5 percent from last year, now up to 20 percent
- Released the campus's first Tree Care Plan and applied for Tree Campus USA status
- Demand up—installed two more plug-in electric vehicle chargers with emissions-offsetting solar panels
- Campus's first off-grid solar smart table receives rave reviews
- The campus's Strategic Sustainability Planning process kicked off in October 2015
- Campus registered second high-performance building, the Health Services Building—striving for two Green Globes
- Generated over \$48,000 through campus's Surplus Property Program—repurposed and recycled items, less waste
- Bio-digester in the campus's Dining Hall diverted over 600 pounds of organic waste from the landfill
- No Styrofoam used in Campus Dining—replaced with reusable to-go containers and compostable dinnerware
- Campus Police acquired another Segway and two motorcycles—lowering fleet emissions
- UNCP now a pickup site for the Robeson County Community Supported Agriculture Program

Highlights of Progress Toward Success

Energy

BY TERRY DIVINE, DIRECTOR OF ENERGY MANAGEMENT

Over the past several years, UNCP has been working hard to reduce our energy usage and costs through a variety of methods. This past year found UNCP leaping ahead of its energy conservation goals with a 6 percent total cost avoidance in energy in a single year (while absorbing a 4 percent tax hike). The overall goal of the 17 UNC campuses was to reduce our energy usage by 30 percent by the end of 2015 compared to 2003. UNCP has surpassed that goal as of June 2015 and totaled 40 percent by the end of 2015. A 6 percent reduction in a single year could be accomplished only with the help of students, faculty, and staff combining to achieve these kinds of numbers. Congratulations, UNCP! Keep up the great work and let's see just how far we can "SAVE."



Energy Savings Performance Contract

BY TERRY DIVINE, DIRECTOR OF ENERGY MANAGEMENT

UNCP has begun an LED Lighting Performance Contract with Johnson Controls. At the time of this report, we are about 65 percent complete with our \$1.3 million project, which affects 23 buildings on campus and most of our exterior lighting. By changing to LED (light emitting diode) lamps, we plan to save 63 percent compared to the cost of the fixtures we were using. The new LED lamps come with warranties as high as 10 years, resulting in additional maintenance savings. Not only are the new LED lamps more efficient, they are also brighter.

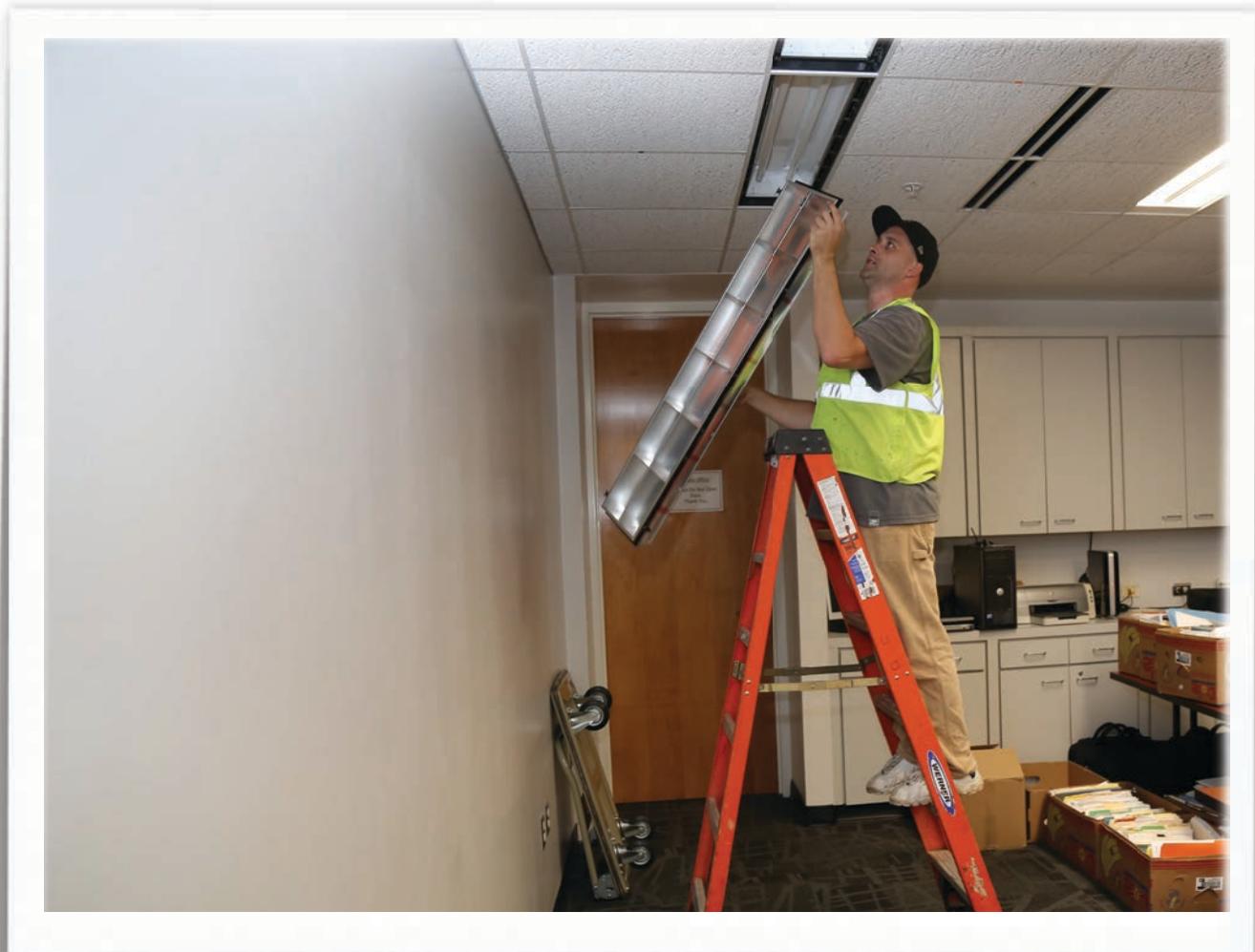


Photo: Contractor with Johnson Controls replacing existing fluorescent light fixture with new ultra-efficient LED fixture.

Greenhouse Gas (GHG) Emissions Inventories Completed (Carbon Footprint)

The campus's first GHG inventory was completed using 2013 as the baseline, with 2014 also calculated. UNCP is now measuring progress toward our 2050 carbon neutrality goal. Total gross GHG emissions for the FY2013 baseline year were 23,211 metric tons of carbon dioxide equivalent (MTCO₂E), with emissions from three sources collectively accounting for 91 percent of total emissions:

- Purchased electricity
- Commuting (faculty, staff, and students)
- Stationary sources (boilers, generators, and campus operations fleet vehicles)

Total gross GHG emissions for FY2014 were 22,853 MTCO₂E, representing a decrease of 358 MTCO₂E, or a 1.5 percent reduction from the FY2013 baseline.

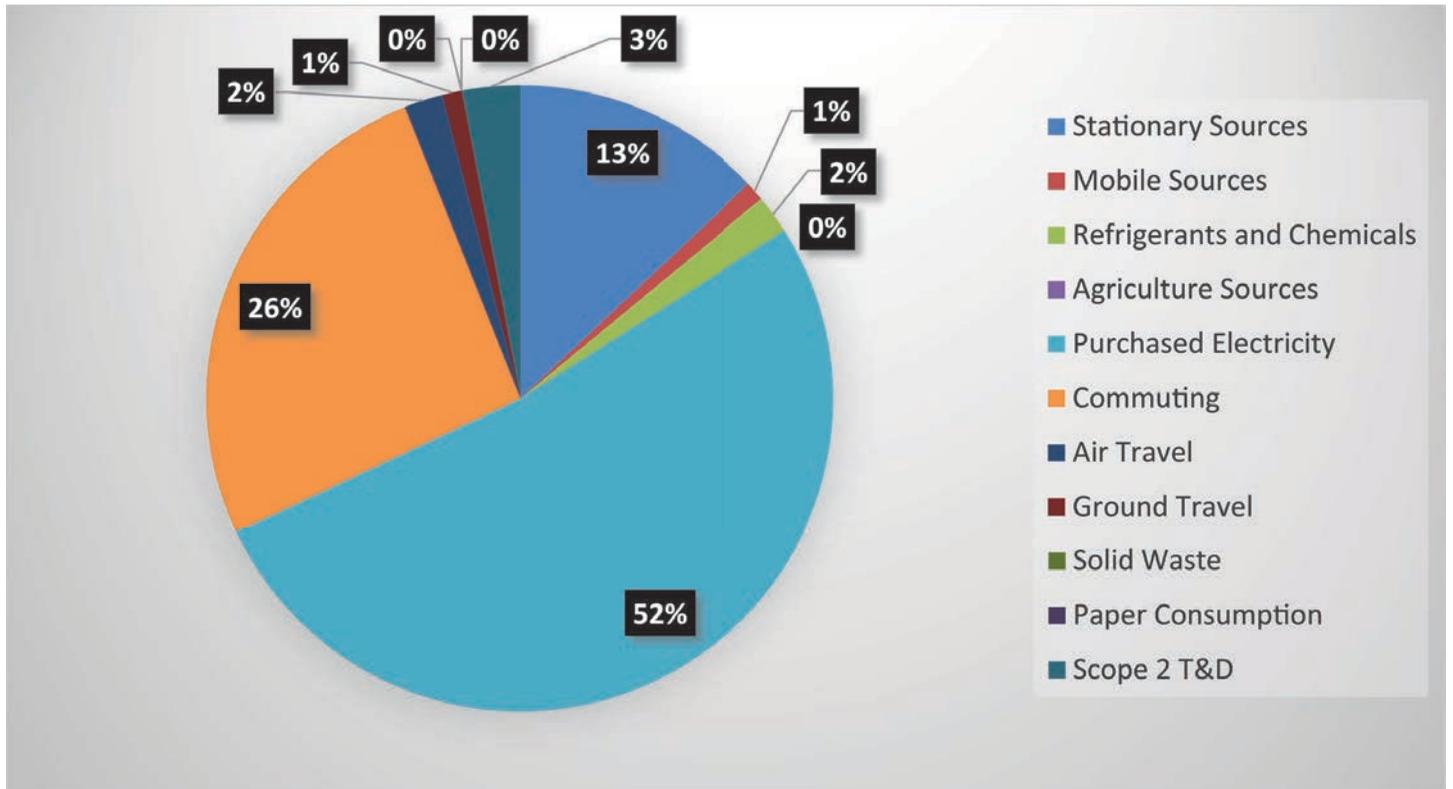
The table below summarizes the emissions from the baseline year (FY2013) and the following year (FY2014).

SCOPE	SOURCE	FY2013	FY2014
Scope 1 Emissions (MTCO₂E)	Stationary Sources	2,947.0	2,897.8
	Mobile Sources	118.7	120.7
	Refrigerants and Chemicals	394.1	556.1
	Agriculture Sources	34.2	34.2
	<i>Total Scope 1 Emissions</i>	<i>3,494.0</i>	<i>3,608.9</i>
Scope 2 Emissions (MTCO₂E)	Purchased Electricity	12,046.6	11,753.6
	<i>Total Scope 2 Emissions</i>	<i>12,046.6</i>	<i>11,753.6</i>
Scope 3 Emissions (MTCO₂E)	Commuting	6,061.6	6,018.6
	Air Travel	515.7	461.0
	Ground Travel	292.9	289.1
	Solid Waste	(37.5)	(29.8)
	Paper Consumption	93.6	25.3
	Scope 2 T&D	744.6	726.5
	<i>Total Scope 3 Emissions</i>	<i>7,670.8</i>	<i>7,490.7</i>
	Scope 1–3 Totals and Intensities (MTCO₂E)	<i>Total Gross Emissions</i>	<i>23,211.4</i>
	Gross Square Footage (GSF) x 1,000	1,711.7	1,730.8
	Full-Time Equivalent Students (FTE)	5,250	5,163
	<i>Total Gross Emission Intensity per 1,000 GSF</i>	<i>13.6</i>	<i>13.2</i>
	<i>Total Gross Emission Intensity per FTE</i>	<i>4.4</i>	<i>4.4</i>

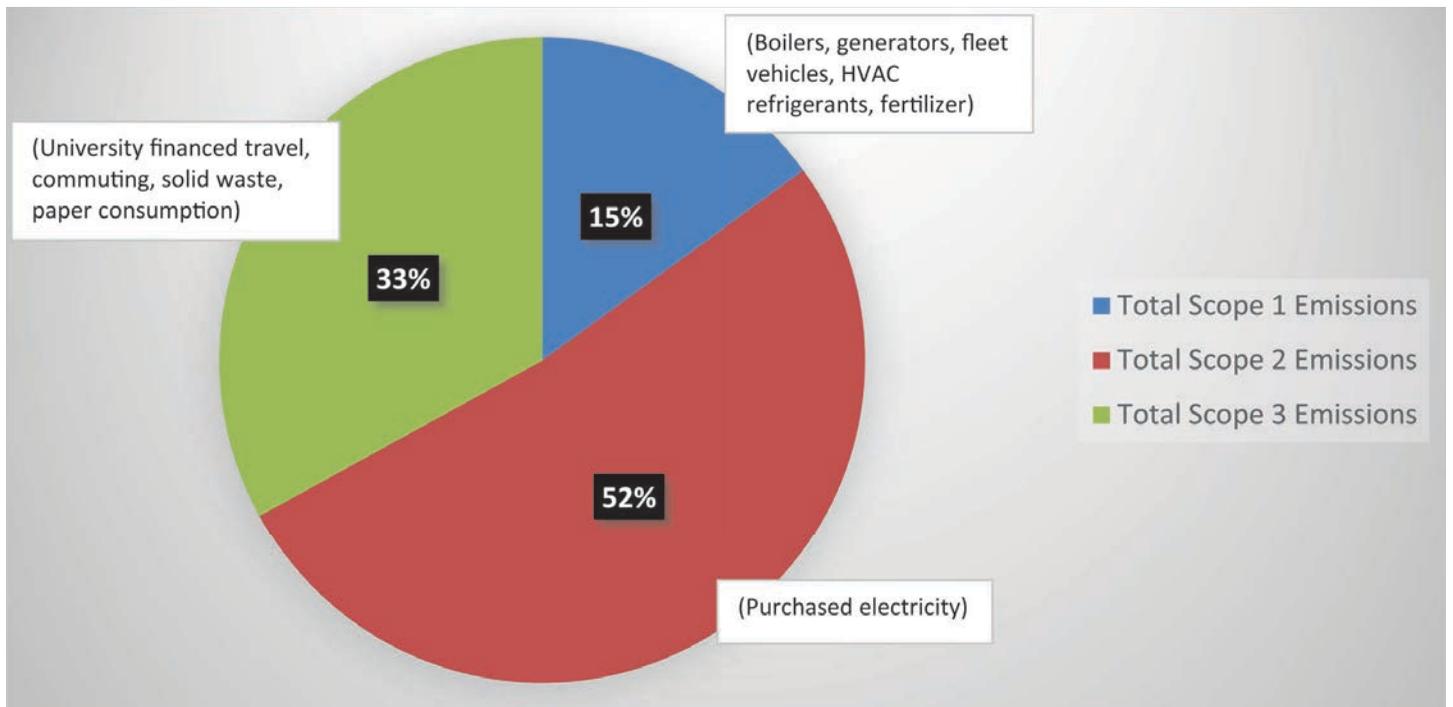
National Benchmarking: Average Gross Emissions for Master's Colleges and Universities—Carnegie Classification

Master's Colleges and Universities	Average Gross Emission Intensity per 1,000 GSF	14.6
	Average Gross Emission Intensity per FTE	4.2

The figures below provide graphical representation of the emissions by source category and scope.



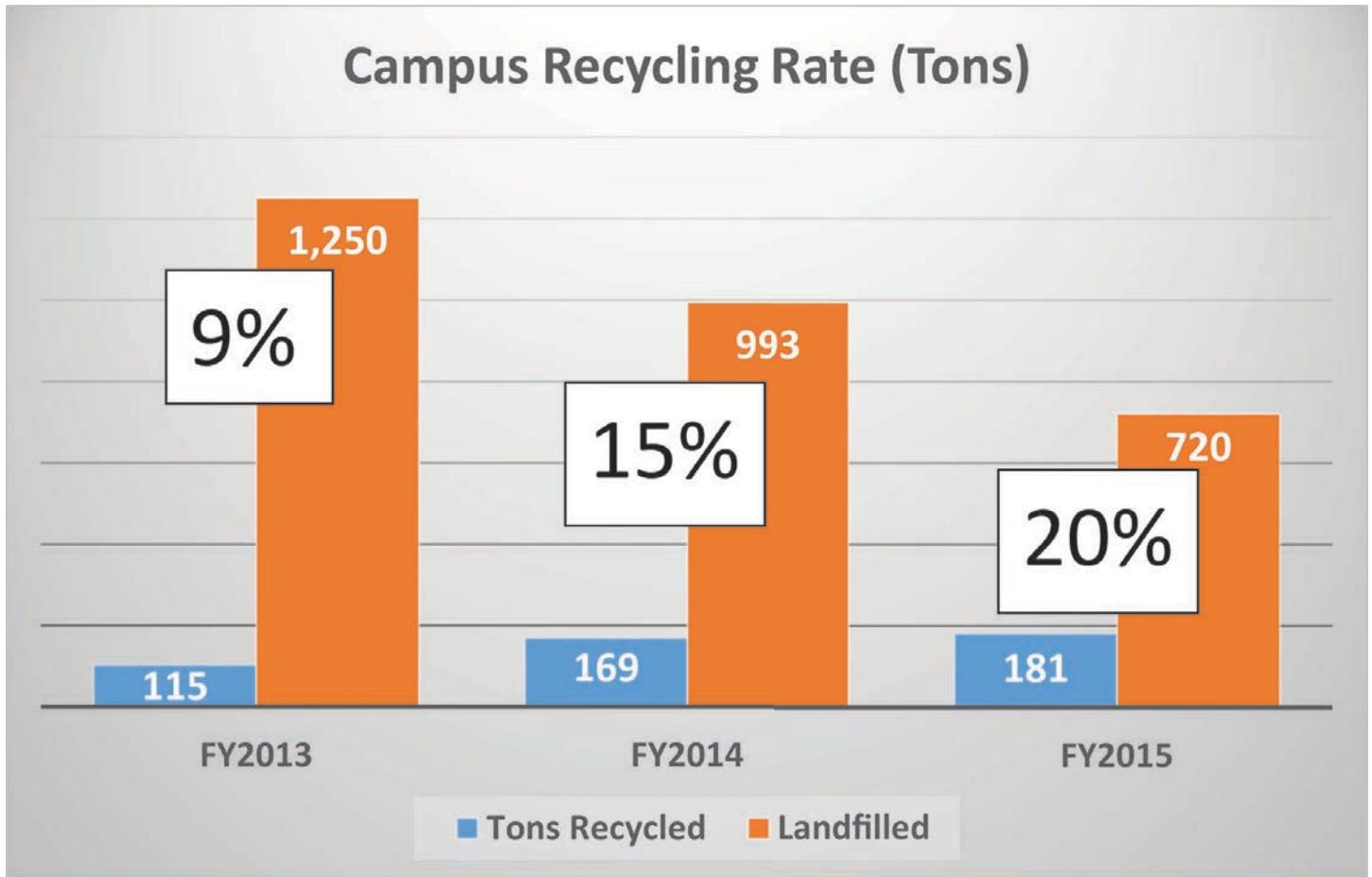
UNCP's Gross GHG Emissions by Source for FY2013 (baseline)



UNCP's Gross GHG Emissions by Scope for FY2013 (baseline)

Recycling

Recycling has continued to gain momentum across campus. The campus’s recycling rate rose 5 percent in 2015 to 20 percent. This rate is calculated by assessing all of the trash sent to the landfill versus what was diverted from the landfill and recycled through the single stream (blue bins), cardboard bins, and yard waste. If you have any questions about what to recycle and how on campus, contact the Sustainability Office or visit www.uncp.edu/sustainability.



Tree Campus USA

BY JUSTIN DUNCAN, SUSTAINABILITY COORDINATOR

In late 2015, UNCP applied to become a member of the Arbor Day Foundation’s Tree Campus USA program. This program helps colleges and universities around the country establish and sustain healthy community forests. In order for UNCP to be recognized, the campus had to establish and maintain five standards that will represent the University’s dedication to the campus environment. These standards are: 1) creation of a Campus Tree Advisory Committee, 2) a Campus Tree Care Plan, 3) accounting of annual expenditures dedicated to the campus tree program, 4) an Arbor Day observance, and 5) a service learning project for students.



Groundbreaking for New Health Services Building

BY SCOTT BIGELOW, NEWS EDITOR, AND JAY BLAUSER, SUSTAINABILITY DIRECTOR

Ground was broken on October 1, 2015, for UNCP's newest building. The 11,000-square-foot facility will house Student Health Services and Counseling and Psychological Services (CAPS). "This is a major step forward in providing health services to our students, and this ceremony represents yet another milestone as we continue the journey started 128 years ago, a vision to change lives through education. It's a new era in student health and counseling services," said Chancellor Robin Cummings. Student Health Services will occupy the first floor and CAPS the second floor. The design will provide a more private and professional setting for students who receive counseling services. The high-performance building will pursue a sustainability rating through the Green Building Initiative's Green Globes program.



*Photo: Branson Chavis
from Chavis Farms
making a delivery of
fresh produce.*



Local Produce Available on Campus

BY CHRISTIE POTEET, DIRECTOR, COMMUNITY AND CIVIC ENGAGEMENT OFFICE

I am excited to share with you a great opportunity for our campus to support local farmers in our area. The CARE Resource Center (Wellons Hall, Suite C) will now serve as a pickup site for the Robeson County Community Supported Agriculture program, which allows participants to purchase shares of produce, beef, and eggs from local farmers. If you would like to participate, fill out an application online at robesoncountyfarmersmarket.com or email to robesoncsa@gmail.com. Prices are included on the application.

Participants who choose optional baskets will receive email with their options each weekend, and should reply with their selections to robesoncsa@gmail.com by 1 p.m. Monday. Participants who choose traditional baskets will receive email about what is in the basket so they can plan for the week. All participants will receive recipes for their produce each week as well. For questions or more information, contact the CARE Resource Center.

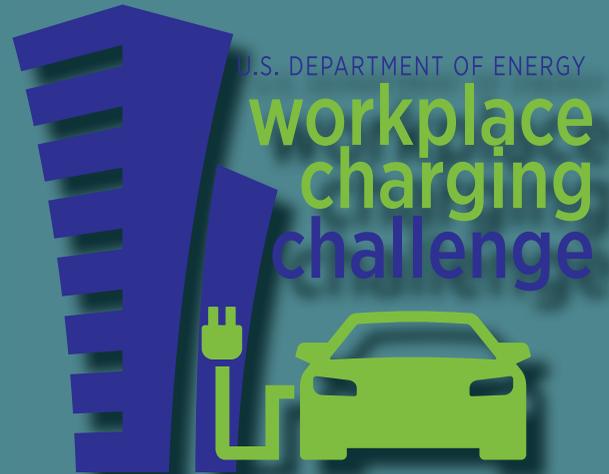
BOOKST



NATIONAL SUSTAINABILITY FACT:

The U.S. Department of Energy Workplace Charging Challenge aims to achieve a tenfold increase in the number of U.S. employers offering workplace charging by 2018. Becoming a partner in the challenge is open to employers of all sizes and industry types in the United States whose charging stations are primarily for employee use. Taking the challenge offers benefits to employers who are considering installing charging, as well as those who have successfully launched workplace charging programs. UNCP became the first university in the state of North Carolina to partner in the challenge, and provides PEV chargers to both employees and students. For more information, visit

www.uncp.edu/about-uncp/administration/departments/sustainability-office/operations/transportation.



Zipcar at UNCP

Need a car, but don't own one? No problem—join Zipcar through the Campus Sustainability Office website and you'll be driving within a week. You must be at least 18 years of age and have a valid driver's license (any state or country), a credit or debit card, and Internet access. There's a \$15 membership fee, and using a car costs \$8 per hour or about \$70 per day, which includes gas and insurance. For more information, visit

www.uncp/sustainability and click the Zipcar logo.



Campus Gets Its First Solar Smart Table

BY SCOTT BIGELOW, NEWS EDITOR

A solar-powered "smart table" has been installed on the Bookstore patio. Students can recharge their mobile devices day or night courtesy of the sun, battery backup, and the LED night lights. Student sustainability green fees paid for this table, which provides clean, carbon-free electricity to users.



Photo: Students enjoying the new solar table.



Campus Police Acquire another Electric Segway and Two Motorcycles

BY JUSTIN DUNCAN, SUSTAINABILITY COORDINATOR

Officer Labretta McBryde is operating one of the newest additions to UNCP's fleet. The all-electric Segway is capable of operating at speeds up to 30 miles per hour. It's even equipped with lights and sirens. Officer McBryde says she loves to be out and about on it, because students enjoy its look and have even asked to take selfies with it.

Along with the new Segway, Campus Police acquired two new BMW GS650 motorcycles. Officers can now travel across campus on or off road, allowing for a timely response while resulting in a reduction in both carbon emissions and operating costs.

Sodexo Announces Enhanced Commitments to Animal Welfare in the U.S.

BY DARCY WOODWARD, DISTRICT MANAGER (SODEXO), NORTH CAROLINA

As part of a longstanding pledge to improve animal welfare in the countries where it operates, Sodexo announced a set of new and broad commitments to improve the humane treatment of animals in its U.S. supply chain.

In a move lauded by the Humane Society of the United States, Sodexo will:

- Source all liquid eggs from cage-free hens by the end of 2020
- Eliminate the use of veal crates from the supply chain by 2017
- Implement a phased approach to sourcing poultry, beef, and veal from suppliers with improved animal well-being practices

"I really enjoy my job...it brings me a great deal of satisfaction in knowing our students and employees have clean, safe, and sustainable facilities to learn, work, and live in."



ECO-LEADER: Pattie Dees, housekeeping manager/supervisor

Pattie Dees has been an employee here at UNCP for 16 years. She cares a great deal about the environment as well as how her work affects building occupants. She oversees implementation of environmentally friendly practices that create a healthier environment. She researches cleaning products and purchases those that are hypoallergenic, eco-friendly, and preferably Green Seal certified. She also plays an important role in the campus's recycling efforts by ensuring that each office has a blue recycling bin and carts are ready for curbside pickup every Tuesday.

IV
PLANNING
&
ADMINISTRATION

Coordination, Planning and Governance, Diversity and Affordability, Health, Well-Being and Work, Investment

Sustainability is interdisciplinary by its very nature. It requires communication, coordination, and commitment across the entire organization in order to succeed. This requires a holistic approach with all players sharing in the effort and operating as one unified team.

PLANNING AND ADMINISTRATIVE GOALS

- Create institutional structures to guide sustainability progress, along with mechanisms for tracking and communicating that progress. These mechanisms will include the campus's overall Sustainability Plan, and will consist of multiple components.
- Ensure equal availability of opportunity to all. Manage workplace health, safety, wellness, and corporate social responsibility of investments.



Photos: (Above Left) Students, faculty and staff participating in the 2015 Honoring Native Foodways event. (Above Right) Students, faculty and staff participating in a Hawk Walk for Health event.

Progress Made in 2015

- In 2014, UNCP students taxed themselves \$5/year for a sustainability green fee—they agreed to raise it to \$7 after just one year in 2015 due to visible advancements made on campus (solar, PEV charging, trees planted, etc.).
- AASHE STARS kicked off in September 2015, leading to a campuswide sustainability rating.
- Campus kicked off the Strategic Sustainability Planning process in October—to include climate action plan
- The Diversity and Inclusion Office sponsored a social justice education and awareness series.
- The General Counsel's Office hosted ethics education training for campus employees.
- Student Health Services, Counseling and Psychological Services, and Advancement Services hosted health fair/events.
- The BRIDGES Academic Leadership Program for Women was available to female faculty, staff, and administrators.
- UNCP earned the Military Times Best for Vets 2015 designation.
- Hosted annual Honoring Native Foodways event highlighting local food from our region.

Highlights of Progress Toward Success

AASHE Sustainability Rating In Progress

UNCP is a member of the Association for the Advancement of Sustainability in Higher Education (AASHE), and on September 15, 2015, we kicked off participation in AASHE’s Sustainability Tracking, Assessment & Rating System (STARS). STARS is a transparent, self-reporting framework for colleges and universities to measure their sustainability performance. The campus plans to complete the process by next semester and will send notice once our rating has been confirmed. For more information, contact the Sustainability Office.



UNCP Earns Military Times Best for Vets 2015 designation

BY SCOTT BIGELOW, NEWS EDITOR

Military Times announced its “Best for Vets: Colleges 2015” rankings. Now in their fifth year, the rankings are determined by the results of Military Times’ annual survey, which claims to be the most comprehensive school-by-school assessment of veteran and military student services and rates of academic achievement. UNCP finished number 72 in the nation.



Eighth Annual Social Justice Symposium: IncarceRACeTion: Where's the Justice?

BY ROBERT CANIDA, DIRECTOR, DIVERSITY AND INCLUSION

This year's symposium provided a platform for UNCP students, faculty/staff, and the surrounding community to gain a better understanding of the impact of mass incarceration within the United States. Additionally, the symposium challenged participants to take action if they desire to see change.



Audience viewing a trailer of the documentary Broken on All Sides, which focuses on mass incarceration on a national level, intersecting race and poverty within the U.S. criminal justice system.

Strategic Sustainability Plan (SSP) in Development

On October 14, 2015, a campus public meeting was held to start collecting input from students, faculty, and staff for development of the University's first SSP. The document will serve as a guide for the campus's sustainability measures, and will include a climate action plan (CAP) component identifying actions to take to become carbon neutral by the year 2050. It's not too late to provide your input at uncp.co1.qualtrics.com/SE/?SID=SV_510q1qsWLGoiyXz. For more information, contact the Sustainability Office or the Sustainability Council, which aims to complete the plan in 2016.

ECO-LEADER: Dalton Hoffer, assistant director for student engagement

Dalton has worked with UNCP for years on innovative initiatives and projects designed to excite students about civic service. He uses his passions for change and civic service to inspire others to get involved. When asked about his favorite aspect of his job, Dalton said, "My job is to connect students to the community so they understand their civic responsibilities. That way, when they graduate, they understand what it means to be a citizen, and why it's important." Among his various projects with the Sustainability Office, Dalton says some of his most memorable work was planting trees in order to make UNCP a Tree Campus USA site.

"You have the power to make change...so take initiative, be involved in your community. You have the power to make change within this community, on and off campus. Take responsibility in doing that!"



Hawk Walk for Health

BY KRISTEN ANDERSON, DIRECTOR OF ADVANCEMENT SERVICES

The month of March went out like a lamb, so all took advantage of the good weather! Several students, faculty, and staff participated in the Hawk Walk for good health on Tuesday, March 31. This event was a follow-up to the Health and Wellness Fair held March 10. The HEALTH Committee provided cold water, and campus HEALTH passports were stamped for participation. For more information, contact Kristen Anderson at 910.775.4379.



Bridges 2015: The Personal and Professional Journey of Transformational Leadership

BY NANCY CROUCH, CIO (MEMBER, BRIDGES ADVISORY COUNCIL)

Bridges is an intensive professional development program for women in higher education who seek to gain or strengthen their academic leadership capabilities. It is designed to help women identify, understand, and move into leadership roles in the academy. Through the program, participants will:

- Develop insights into leadership, with a particular focus on the special skills and attributes women bring to their leadership roles
- Acquire an understanding of the many facets of colleges and universities
- Refine and improve their cross-cultural communication skills
- Create a program of personal and professional development to benefit themselves and their institutions

Who should participate? Women from four-year North Carolina institutions of higher education, both public and private, who want to position themselves for advancement in the academy, including:

- Faculty interested in developing their leadership skills
- Faculty looking to move into academic administration
- Administrators with managerial and supervisory responsibilities
- Administrators seeking a greater range of responsibilities

To date, 14 UNCP women have participated in Bridges and have benefited from this professional development opportunity. Both the Provost's Office and the Office of Finance and Administration have committed financial support for UNCP women who apply and are subsequently invited to participate in the Bridges program.



Photo: Graduating members of the Bridges Class of 2015.

You can learn more and access application materials at fridaycenter.unc.edu/pdep/bridges/index.htm. Please note: Only complete applications should be submitted (meaning all at once, not piecemeal), and only complete applications will be considered. For more information, contact Nancy Crouch at 910.775.4888.

Third Annual Diversity & Leadership Summit

BY ROBERT CANIDA, DIRECTOR, DIVERSITY AND INCLUSION

UNCP fulfills its commitment to diversity and leadership development by providing programs and services that support its overall academic mission. One such program was the Third Annual Diversity & Leadership Summit, "Harmonizing Our Voices, and Transforming Our World." Sponsored by the Office for Diversity and Inclusion and the Office of Student Involvement and Leadership, the summit enriched the educational, personal, cultural, and social development of our students by enhancing their diversity and leadership skills. All students were invited.

Held on Saturday, April 18, 2015, the summit featured two engaging keynote speakers: Rev. Pia Jessup, a 2009 UNCP alumna, and Omar Simpson, Ph.D. student at UNC Chapel Hill. There were also captivating breakout sessions and an afternoon student panel that spoke to "All Voices Matter!" For more information, contact the Office for Diversity and Inclusion at odi@uncp.edu.



Student attendees pose with speaker and UNC doctoral candidate Omar Simpson (center with bow tie).

WHAT'S NEXT FOR UNCP?



Ongoing Long-Range Goals

- Become carbon neutral by the year 2050
- Integrate sustainability principles into academic curriculum, research, service learning, and all daily campus operations
- Strengthen and increase campus and community partnerships
- Become a zero-waste campus.

Want to help or offer ideas and solutions? If so, contact:

- The Sustainability Office at 910.775.4576 or www.uncp.edu/sustainability
- The Sustainability Council at deborah.hanmer@uncp.edu or jay.blauser@uncp.edu
- The Greener Coalition at "Brave Connect," uncp.collegiatelink.net





**“WE DO NOT INHERIT
THE LAND FROM OUR
FATHERS.**

*We borrow it from our
children.”*

– Native American Proverb

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Founded in 1887 as a school for the education of American Indians, The University of North Carolina at Pembroke now serves a distinctly diverse student body and encourages inclusion and appreciation for the values of all people. UNC Pembroke has approximately 6,400 students from diverse backgrounds. The University offers 41 undergraduate programs and 18 graduate programs.

For more information about UNCP, visit online at www.uncp.edu. For more information about sustainability, visit www.uncp.edu/sustainability



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