



Sustainability Newsletter

A Publication of the President's Sustainability Advisory Committee

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The University of Kentucky is committed to equal opportunity and nondiscrimination in all programs, events, and services, regardless of economic or social status and does not discriminate on the basis of race, color, ethnic origin, national origin, creed, religion, political belief, sex, sexual orientation, marital status, age, veteran status, or physical or mental disability.

UK Takes Ninth Place at Solar Decathlon

U.S. Department of Energy Deputy Secretary Daniel Poneman on October 16, 2009, announced the winners of the 2009 Department of Energy Solar Decathlon competition on the National Mall in Washington, D.C. The University of Kentucky's S·KY BLUE House placed ninth in the competition. This was UK's first time participating in the Solar Decathlon.



Photos by Steve Patton



UK S·KY BLUE team

This year, the UK S·KY BLUE House will be exhibited at the 2010 FEI World Equestrian Games, scheduled to begin Sept. 25, 2010, in Lexington, Ky. The house will serve as the Visitor's Center and the entry threshold to the Kentucky Experience exhibitions at the events. Until then and through August, it is on display in front of the Main Building. Tours will begin during mid- February. To find out more about UK's S·KY BLUE House, visit the team's Web site at www.uky.edu/solarhouse.

*Whitney Hale
Senior PR Specialist
UK PR & Marketing*

Building for the Future: UK Focuses on Energy Efficiency and Environmental Design

The Davis Marksbury Building, part of UK's Digital Village, is targeted to become UK's first LEED-certified building. LEED, Leadership in Energy and Environmental Design, is a rating system developed by the U.S. Green Building Council. The three-story, 45,014-gross-square-foot building will house the UK Center for Visualization and Virtual Environments, the Department of Electrical and Computer Engineering and the Department of Computer Science. All are part of the UK College of Engineering. Construction began in August 2009 and is scheduled for completion by the end of 2010.

The building is designed to highlight the importance of engineering for environmental issues. Construction will include the use of regional materials and materials fabricated with recycled products. In addition, the Marks-

bury Building is designed to optimize energy performance, improve indoor air quality, maximize daylight harvesting and external views, and support alternate transportation, including bicycle storage and a rider changing room. The building's roof will include photovoltaic collectors to convert sunlight into electrical power to help serve the building and provide research opportunities. The building is designed to be 42% more energy efficient than a typical building of its size.

"Given the College of Engineering's role as a leader in advancing environmental-related research in efficient energy production, air and water purification and other 'green' engineering endeavors, it is extremely appropriate that the first LEED-certified building on UK's campus be dedicated to engineering and computer science," UK College of Engineering Dean

Thomas Lester.

UK is incorporating many of these design principles into other new construction projects. Learn more at www.sustainability.uky.edu

*Shane Tedder
UK Sustainability Coordinator*



2010 Opportunities and Events

Sustainability Pledge

Student, faculty, staff, and administrators at the University of Kentucky have the opportunity to take the Sustainability Pledge. This opportunity has been created by the President's Sustainability Advisory Committee. So far, 11 students, 3 faculty, and 9 staff have taken the sustainability pledge committing to welcome a sustainable edge into their semester, year, and/or future. The President's Sustainability Advisory

Committee would like to thank the 23 people at our University who desire to make less impact on our community and world.

Everyone in the campus community is encouraged to visit www.sustainability.uky.edu

and take the sustainability pledge. The pledge takes only a short amount of time, but requires each individual to ponder what simple or drastic changes are possible to reduce trash

production, carbon emissions, energy use, and apathy towards others and the environment.



Sunday, January 17, through Saturday, March 27.

UK, along with 403 other schools are participating in a nationwide competition. This is UK's fourth year in the competition. We are seeking to defend our title as the SEC Recycling Champions!

Visit: www.recyclemania.org for current standings and results.

UK Greenthumb

Sorry, its not a gardening club. This is a social group for individuals interested in the environment and sustainability.

Find out what Kentucky's largest student environmental groups is up to. Weekly meeting at 6:30pm, Tuesday in room 357 of the UK Student Center.



Campus Community Partnerships

Save the date: **April 16-18**

Who? College and university faculty and staff, K-12 teachers and administrators, students, public service employees, citizen activists

Started in 2006 at Berea College, co-hosts Bluegrass Community & Technical College, the University of Kentucky, and Transylvania University offer you this opportunity to take the next steps on the path to sustainability.

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Tedder Named UK's First Campus Sustainability Officer

After an exhaustive, nationwide search, the University of Kentucky chose Shane Tedder as its first campuswide sustainability coordinator.

"I am extremely pleased about this announcement for two reasons," said UK President Lee T. Todd, Jr. "First, I am pleased for our university. A campuswide coordinator of our sustainability initiatives is an important step forward as we expand and improve our sustainable community. Secondly, I am particularly proud that a native son has been offered this opportunity. I have watched Shane grow as a student and a professional, and I am excited that I will have the chance to see him excel at his alma mater," added Todd.

Tedder has most recently served the UK Student Affairs Office of Residence Life as its sustainability coordinator, but now his duties will be much expanded within the Division of Facilities Management to serve the entire university.

"I charged the committee to do a comprehensive job search, review resumes and interview finalists. I told them that I wanted the interview process to be open and thorough," said Bob Wiseman, vice president for facilities management.

"I was looking for a self-starter, someone with enthusiasm, dedicated, with a solid background of applied skills and passion toward sustainability," said Wiseman. "I was seeking an individual that will make UK a leader in sustainability in Kentucky as well as beyond. I believe we have found that individual in Shane Tedder."

A native Kentuckian, Tedder earned his bachelor's degree in anthropology and environmental

studies at UK in 2004, then continued his graduate studies in conservation biology at UK. While still a student, Tedder was hired by the UK Division of Student Affairs to manage the Residence Life Recycling Program but expanded those duties far beyond recycling issues to embrace the overreaching issue of sustainability programming for students.

He is the founder and coordinator of Earthdays in the Bluegrass (2005-2009) and the Wildcat Wheels Bicycle Library (2003-2009).

He is a founding member of the UK President's Sustainability Advisory Committee and coordinator of the university's Sustainability Lecture Series and the Sustainable Campus Internship Program.

Since inception, Tedder has supported student groups and organizations that focus on sustainable issues, and dozens of students know him as a thoughtful, encouraging mentor.

"Having worked with Shane on a variety of projects over the last four years, I'm confident that the right person was chosen to be UK's first sustainability coordinator. Not only does Shane possess the passion and know-how to be successful, but he possesses a deep love for and knowledge of this state and this university that guarantee that he'll be able to lead UK's sustainability initiatives for a long time to come," said UK Sustainability Student Council member Taylor Shelton, a UK alumnus from Louisville and now a UK graduate student in geography.

The search committee conducted an extensive national search process, reviewed 57 applications and selected 10 finalists. After inter-

viewing those finalists, the search committee recommended "four outstanding candidates," said search committee member Richard, Levine, architecture professor and director of the Center for Sustainable Cities.

"From among the final four, the search committee came to the consensus that Shane Tedder was the strongest all-around candidate and the one that would best serve UK's interests. Of all the candidates, Shane appeared to have the clearest idea of the meaning of sustainability as well as demonstrating the soundest approach to dealing with the many conflicting pressures that a sustainability coordinator at UK will be likely to face," said Levine.

"The university conducted an extensive and thorough search, utilizing representatives from various sectors of our institution. This process resulted in the hiring of a sustainability coordinator who, in conjunction with the President's Sustainability Advisory Committee, will be an effective facilitator of the university's sustainability efforts in its pursuit to become a sustainable campus," said David W. Hibbard, director of UK Environmental Health & Safety.

"I am very excited about the challenges and opportunities of this new position," said Tedder, "and I look forward to working closely with the entire university community to continue to enhance our efforts to become a model sustainable campus."

*Gail Hairston
Communications Manager
UK Office of Public Relations & Marketing*

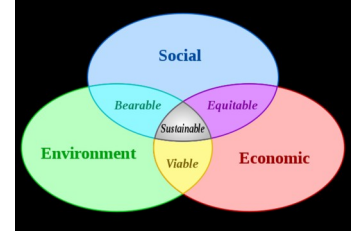


Exclusive Online Feature

**"Getting to Know
UK's First
Sustainability
Coordinator:
An Interview with
Shane Tedder."**

To read the
interview visit [http://
www.sustainability.uk
y.edu/node/3028](http://www.sustainability.uky.edu/node/3028)

Sustainability is...



Did You Know?

Make Way!

Another Sustainability Outlet Coming to Campus

There's a new kid on the block—or rather on campus—working to promote sustainability at the undergraduate level. It's a group of faculty and administrative staff who comprise the Sustainability Scholarly Learning Community. And it hopes to make waves across the Colleges and throughout the undergraduate curriculum!

Never heard of such a learning community? A faculty or scholarly learning community is a group of faculty or other members of a campus community who are interested in promoting bottom-up initiatives of multi-disciplinary or interdisciplinary scope. The idea and rationale for these emergent communities were developed and implemented at Miami University (of Ohio) and have proved to be very successful in percolating from the campus grass-roots new and innovative ideas, programs, and projects from a variety of the University's missions of teaching and curriculum, research, and university or community service.

The Chellgren Center, in collaboration with the Teaching and Academic Support Center's faculty development division, has become the catalyst for two, even three, such learning communities here on campus. Joanna Badagliacco, Discovery Seminar program director and Chellgren endowed professor, initiated this vehicle for emergent and collaborative dialogue and bottom-up initiatives with a learning community focused on service learning. Phil Kraemer, former associate provost for undergraduate education and

now Chellgren Center chair, is working on an idea for integrating innovative educational technology into the undergraduate classroom and hopes to launch another learning community along these lines in the Spring 2010 semester.

The Sustainability Scholarly Learning Community is a natural outgrowth of this university's developing focus on campus sustainability evidenced by the emergence of the President's Sustainability Advisory Committee and the expansion of the Tracy Farmer Center on the Environment into the Tracy Farmer Institute for Sustainability and the Environment.

In addition, this new learning community has been generated out of many faculty and administrative staff conversations over the past 2-3 years about considering the merits of establishing a new interdisciplinary major on sustainability. Indeed, this will be the top priority of the group during the remainder of the 2009-2010 academic year. Other agenda items—including acting as a sounding board to town-gown initiatives, securing grant funding, and working with the President's Sustainability Advisory Committee and the Student Sustainability Council—will likely be added as mid-term and long-term tasks and goals.

The scholarly community brings together 12 faculty and staff noted for the interest and commitment to sustainability teaching, research, and practice. The

following individuals have agreed to join the group and to sift through the many possibilities of embedding sustainability as a focus for the undergraduate curriculum: Mary Arthur (Forestry); David Atwood (Chemistry); Arne Bathke (Statistics); Robert Dahlstrom (Marketing); Carol Hanley (Tracy Farmer Institute); I.S. Jawahir (Engineering); Dick Levine (Architecture); Anne Mareck (English); Keiko Tanaka (Agricultural Sociology); Shane Tedder (Sustainability Coordinator); Mark Williams (Horticulture); and Ernest J. Yanarella (Political Science). I will coordinate the group and facilitate monthly meetings. The SSLC will look to Bill Burke and his faculty development team to assist us in scanning for inform and role models and for garnering valuable resources shape our curriculum design.

Other faculty and administrative staff around the UK campus are encouraged to contact any of these new learning community members with thoughts and ideas and opportunities for better integrating sustainability into the undergraduate curriculum or sharing other innovative ideas for utilizing undergraduates for advancing sustainability-oriented tasks on campus or around the Lexington community.

Ernest J. Yanarella
Professor
UK Department of Political Science

The Sustainability Scholarly Learning Community hopes to make waves across the Colleges and throughout the undergraduate curriculum.



UK Official Receives Local Environmental Award



Bob Wiseman - Vice President of Facilities Management

University of Kentucky's Vice President for Facilities Management Bob Wiseman recently received an Environmental Commission Award from the Lexington-Fayette Urban County Government.

The 39th Annual Environmental Commission Awards are given to individuals, organizations and businesses that have contributed significantly to the improvement of the local environment, making a difference in our community over the past two years. Wiseman was honored for spearheading UK's sustainability and environmental program projects.

Ten Environmental Commission Awards were presented at the second Green Breakfast, sponsored by the Bluegrass Partnership for a Green Community and the Lexington Environmental Commission.

Wiseman oversees a wide range of activities from the UK Campus Physical Plant, Medical Center Plant, student housing, capital project management and others, managing more than 1,000 employees.

Wiseman was described as a champion of UK's energy efficiency and sustainability efforts for his entire tenure as vice president for Facilities Management. His recent report of UK's 2008/2009 Sustainability Efforts highlights the university's effort to save energy and become more sustainable while providing the same level of service.

The Lexington-Fayette County's Environmental Commission is composed of a group of up to 40 citizens of Fayette County from different council districts. Commission members are appointed by the city's mayor and approved by the Council for four-year terms. The Environmental Commission was created in 1969 and is funded by the Lexington-Fayette Urban County Government.

The commission seeks to maintain and enhance the distinctive, picturesque environment of Lexington and Fayette County. It initiates and participates in environmental education, awareness and stewardship programs, including presenting annual awards to individuals, organizations or companies for outstanding environmental stewardship.

*Gail Hairston
Communications Manager
UK Office of Public Relations & Marketing*



“Wiseman was described as a champion of UK's energy efficiency and sustainability efforts for his entire tenure as vice president for Facilities Management. “

Recipe of the Quarter: Pork au Lait

Producers of local and sustainably raised meats all have the same problem, selling the whole animal. There is always a market for the steaks and chops, but the roasts, ground meats and other cuts are harder to sell. Here is a recipe from my time cooking in Provence that is easy, delicious and makes use of an inexpensive cut of pork. This dish is great on a cold winter weekend served with rice, a roasted winter vegetable and maybe a little red wine.

Pork au Lait

2-3 lb bone-in pork roast
3 carrots, peeled and chopped
2 celery ribs, chopped
1 medium onion, chopped
8 cloves of garlic, chopped
1 cup white wine
1 quart whole milk
herbs de Provence, kosher salt and black pepper

Season the pork with salt, pepper & herbs de Provence
Heat a large Dutch oven or braising pan and coat the bottom with olive oil
Brown the pork on all sides and remove
Lightly brown the vegetables, adding the garlic at the very last so as not to scorch it
Deglaze with the white wine and reduce to a glaze
Place the pork back into the pan and pour the milk over it
Cover the pan and place in a 350 degree oven for 1-1.5 hours until very tender
Remove meat and keep warm
Puree all vegetables and juices in a blender to make the sauce, taste for seasoning and keep warm
Shred the roast and serve with the sauce

*Bob Perry, Project Manager & Chef
Sustainable Agriculture & Food Systems
UK College of Agriculture*



“Maps offer a graphical representation that make information more meaningful.”

- Michelle Ellington

Green Map System at the University of Kentucky

Michelle Ellington heard the city of Lexington was looking for individuals to be part of the Green Maps System effort several years ago. Six months prior to the third annual sustainability event, Big Blue Goes Green, she decided to pursue making a green map for the University of Kentucky.

Michelle worked with GIS technician Kathryn Loving to create a list of all of the University's sustainable efforts in order to see how much information was available to utilize the green map system. She also met with some members of the President's Sustainability Advisory Committee, including Bob Wiseman Vice President of Facilities Management. The consensus was to move forward with developing the Green Maps for the Lexington campus and also to show our sustainable efforts in Fayette and surrounding counties.

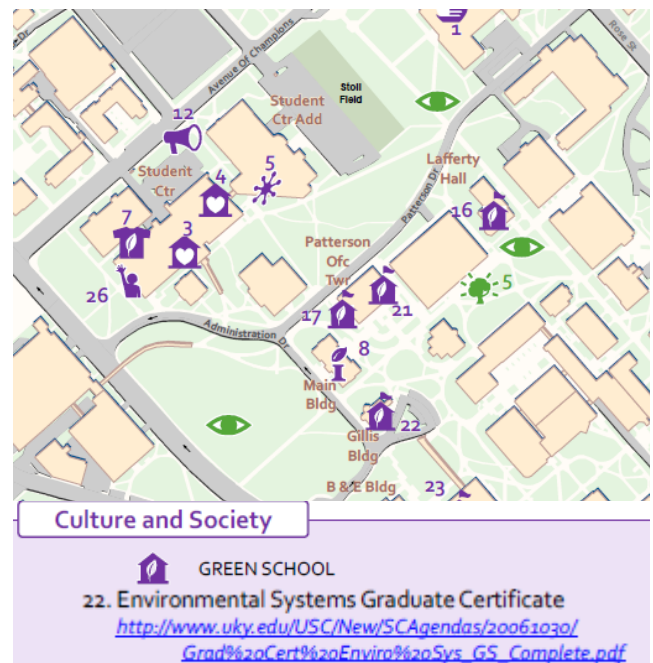
Membership to the Green Map System is a process. An organization, city, or university become a member, and in doing so there's a give and take. A cus-

tom icon system is used that you cannot have access to unless you are a member. There are also specified categories that are a part of the green map system, for example, the three green map genres: culture and society, nature, and sustainable living. Each icon is a category within each genre. The genres have their own categories. Everything is color coded and there

can be multiple genres on each map. This makes each map meaningful.

To view the 3 Green Maps visit:
www.greenmap.org/greenhouse/en/user/1416

Katie Cohen
UK Undergraduate senior
Linguistics



Rain Barrels

By capturing rainwater as it runs off impervious surfaces like rooftops and diverting it for later use, rain barrels can significantly decrease the amount of municipal water frequently used for landscaping as well as prevent contaminated water from entering the sewer system.

Rain barrels require around an hour of labor to install and a small amount of maintenance each season. A typical rain barrel includes a large drum, a screened inlet that

attached to a downspout, a spigot outlet, as well as an overflow pipe that leads to the sewer system.

As an intern for the Student Sustainability Committee, I have been working closely with the UK Grounds Department and recently received permission to place “Lily” rain barrels on the Commonwealth House on campus. The city has been kind enough to donate five rain barrels for this purpose.

Beginning in the spring of 2010, the Commonwealth House will serve as a test site for campus rain barrels as well as an education opportunity for students and community members. Plans for the test site include the installation of educational signs and the hosting of several community events.

Stephanie Hopkins
UK Undergraduate senior
Biology and Anthropology



News from our Partners

The Fayette Alliance:

Working for a Sustainable Growth Model that Benefits All of Us

Lexington-Fayette County has a lot to offer—a great city surrounded by a beautiful rural landscape. This setting solidifies Lexington-Fayette County’s historic reputation as the “Athens of the West”, while poising it for success in the 21st century.

However, Lexington-Fayette County is facing many challenges. We are losing farmland at an alarming rate. For instance, Fayette County lost over 19,000 acres of agricultural land between 1997 and 2002, and was named as one of the most endangered cultural landscapes in the world by the World Monument Fund in 2006. And yet, we have over 8,000 acres of vacant and blighted land inside the city for re-development.

No question, Lexington-Fayette County will continue to grow. It’s estimated an additional 60,000 people will be calling Lexington home by 2030. Therefore, the real question is not “if” we grow, but “how” we grow—and The Fayette Alliance believes we can provide an answer that protects our irreplaceable Bluegrass landscape, while improving our quality of life and local economy.

The Fayette Alliance is Lexington’s only land-use advocacy organization that regularly educates and lobbies local government for a sustainable growth model which benefits all of us. We believe that preserving our signature Bluegrass landscape, creating a dynamic and equitable cityscape through infill redevelopment, and improving our natural waterways by fixing our sanitary sewer and stormwater systems are key components to achieving our economic and environmental promise here in Lexington-Fayette County.

The Fayette Alliance is a strong coalition of Fayette County citizens, including stakeholders from the agricultural, neighborhood, and infill sectors. As a united voice for responsible growth, the Alliance weighs-in on those land-use issues that have countywide impact. Together we can chart our future, and positively influence local zoning decisions—the very building blocks of our community.

As a 501 (c)(4) corporation, The Fayette Alliance regularly lobbies local government in furtherance of its land-use mission by attending all relevant planning and zoning meetings at local government, and educating the public, political leaders, and government officials about responsible growth policies.

The Fayette Alliance has been extremely successful—gaining a lot of political traction at both a grassroots and governmental level since its inception in 2006. Its major land-use accomplishments include:

- In 2007, stopping the expansion of the Urban Service Boundary, and saving over 7,500 acres of farmland from immediate suburban development;
- In 2008, supporting the zone change and Tax Increment Financing for the Distillery District—a \$190 million mixed-use infill project that will revitalize 28 acres of blighted land on Manchester Street in downtown Lexington;
- In 2009, building support and gaining consensus on the Urban County Council for the LFUCG Water Quality Management Fee and Program. This initiative will directly finance incentive, mapping, modeling, and litter control programs to remediate Fayette County’s polluted stormwater system and waterways.
- In 2009, building support and gaining consensus on the Urban County Council for an unprecedented \$3 million in local funding for the LFUCG Purchase of Development Rights program. PDR will use this money—along with matching state-federal funds—to purchase conservation easements on approximately 1,960 acres of prime agricultural land in Fayette County.

The Fayette Alliance is making a huge difference in Lexington-Fayette County’s future, but we need your help! Please visit The Fayette Alliance’s newly redesigned website at www.fayettealliance.com to learn more and get involved in The Fayette Alliance—for our town, our farms, and our future.

“Lexington’s only land-use advocacy organization that regularly educates and lobbies local government for a sustainable growth model which benefits all of us. “



*Knox van Nagell, J.D.
Executive Director
The Fayette Alliance*



The University of Kentucky's Sustainability Newsletter, A Publication of the President's Sustainability Advisory Committee, wants your article, recipe, book review, blurb, photo, or comment!

**Please submit to Katie Cohen:
k.cohen@uky.edu**

www.sustainability.uky.edu

Town Branch Trail

Town Branch Trail, Inc. (TBT) was incorporated as a 501(c)(3) non-profit in 2001 with the mission to develop a recreational trail and urban greenway running from downtown Lexington to Masterson Station Park, following as closely as possible the route of the Town Branch of the Elkhorn. This is the stream along which the city was founded and to which our urban grid is oriented. The entire downtown and the majority of the UK Campus lie in its watershed, and unfortunately Town Branch has been fouled by countless sources over its history.

The initial vision of TBT was to create a community resource with multiple benefits. One major goal was to bring greater visibility to the stream, to generate the political will to clean it up. Some of the benefits that Town Branch Trail will provide are:

- a route for non-motorized transportation, bringing residents of the western Fayette County suburbs into the heart of the city and city dwellers out to Masterson Station Park .
- a recreational facility where walkers, bicyclists, runners, children, elderly and others could get healthful exercise and experience both a lively urban environment and a peaceful natural environment.
- an educational facility highlighting environmental and historic resources -- the stream itself, wildlife, native plants and geology, as well as historic artifacts and sites from Lexington's earliest days, including dry-laid stone walls and two settlement-era homes.
- an impetus for redevelopment of a disinvested area of the city, as well as an amenity for tourists staying in downtown Lexington.
- a network of links connecting Town Branch Trail to the UK Campus, the Legacy Trail, and other greenway trails throughout the region.

An early grant from the KY Department for Fish and Wildlife funded the design of 14 environmental education signs, four of which are in place along the western-most section of the trail between Alexandria Drive and Masterson Station Park. As trail construction proceeds, more signs will be installed. In addition, the group has been developing a three-part DVD and KERA curriculum to teach middle-school students about local watersheds, focused on Town Branch but suitable for the Bluegrass region.

Progress on trail design and construction can be followed on our Facebook page, Friends of Town Branch Trail, Lexington, KY, or our web page www.townbranch.org . Phase 3, connecting McConnell Springs to the creek through the historic Spring Hill farmstead, has been funded. A full feasibility and design alternatives study is under way now for the more difficult urban stretches of the trail; watch for a public meeting and progress report.

*Zina Merkin
Vice-President
Town Branch Trail*

