

Brothers, Sheila C

From: Tedder, Shane
Sent: Friday, September 14, 2012 2:33 PM
To: Brothers, Sheila C
Cc: Blonder, Lee; Fisk, Courtney A; Meyer, A L
Subject: FW: SC Meeting 9/17 - Supporting Documentation?
Attachments: Charge and Function PSAC.PDF; University of Kentucky Statement on Sustainability Policy.pdf; UKSTARSEXecutivesummary.pdf; Sustainability Recommendations for President Capilouto.pdf; ACUPCC Text.pdf

Importance: High

Good afternoon Shelia,

The supporting documentation for the sustainability discussion with the Senate Council on Monday September 17 is attached. A brief description of each attachment is below.

Description of Attachments:

1. Charge and Function of the President's Sustainability Advisory Committee (PSAC)
2. The University of Kentucky Statement on Sustainability Policy and Principles
3. Executive Summary of UK STARS Report (Sustainability Tracking Assessment and Rating System) and President Capilouto's letter of support.
4. PSAC's 2012 Recommendations to President Capilouto
5. The text of the American College and University Presidents Climate Commitment (ACUPCC)

The following web links may also be useful to the Council:

- The President's Sustainability Advisory Committee: <http://www.sustainability.uky.edu/PSAC>
- AASHE STARS: <https://stars.aashe.org/institutions/data-displays/dashboard/>
- ACUPCC: <http://acupcc.org/>

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Sustainability Advisory Committee

The charge, function, membership, appointment procedure and requirements for meetings and reports of the Sustainability Advisory Committee shall be as follows:

I. Charge and Functions

The Sustainability Advisory Committee shall:

- A. Define, develop and recommend for adoption a university “Statement on Sustainability Policy and Principles”.
- B. Develop an annual set of committee goals and planned actions designed to further promote and advance an institutional culture of sustainability.
- C. Publicize and communicate current university sustainability initiatives to the university community.
- D. Assess the completeness and progress of university sustainability efforts as compared to national benchmark institutions. Conduct an annual review of University of Kentucky operations in terms of sustainability; develop indicators to measure progress and make suggestions and recommendations for improvements.
- E. Produce an annual report of active university sustainability efforts and activities in the areas of business operations, education, research and community engagement.
- F. Conduct and promote campus events, workshops, showcases, exhibits and symposia focused on enhancing sustainability efforts and practices so as to more fully engage students, faculty and staff in this topic.
- G. Promote and encourage sustainable best practices in university facility planning, design, and construction.
- H. Prepare a guidance plan (including goals and action items) on how the university can achieve a reduction in campus greenhouse gas emissions and seek to become more climate neutral.
- I. Create and appoint such technical advisory task forces and committees as may be appropriate to advise the committee and to foster increased opportunities for campus community involvement and input.

University of Kentucky - Statement on Sustainability Policy and Principles

The University President and senior administrative staff approved the policy as proposed by the Advisory Committee in January 2009.

Section I. Commitment

The University of Kentucky recognizes that in its mission to improve the lives of Kentuckians, its greatest challenge in our time is to engage the University community to create policies and programs that will simultaneously advance economic vitality, ecological integrity and social equity, now and into the future. As such, it calls upon all levels and constituencies of the University to participate in a continuous and on-going effort to institute the teaching, research, and practice of sustainability and to establish an institutional culture of sustainability.

Section II. Definition

Sustainability has been variously defined and popularized over the past two decades. The most well-known and quoted of definitions defines sustainable development as "development that meets the needs of the present without compromising the ability of future generations to meet their needs" (Brundtland Commission Report). Others have defined sustainability more simply as "equity extended into the future" (Herman Daly). Still others have seen the transition to sustainability as associated with "moving from linear to cyclical processes and technologies" (Karl Henrick-Robert). More ambitious and encompassing is the definition of sustainability that see it as a "local, informed, participatory, balance-seeking process, operating within its Sustainable Area Budget, exporting no harmful imbalances beyond its territory or into the future, and thus opening the spaces of future opportunity and possibility" (UK Center for Sustainable Cities).

Section III. Cardinal Principle:

The Sustainable Campus as Exemplar. The University of Kentucky strives to be an exemplar in the application of sustainability principles and practices and to become a sustainable campus by utilizing participatory techniques, such as multiple scenario-building, which bring diverse perspectives to the on-going process of building a sustainable campus.

Section IV: Other Supporting Principles:

Subd. 1. Leadership. Through its pursuit of excellence in advancing sustainability education, research, outreach, and stewardship, the University of Kentucky strives to be on the cutting edge of educational, scientific, technological, social, and cultural advances in scholarship, to take the leadership role in demonstrating the feasibility of inventions of sustainability and resource efficiency, and to produce trained specialists, informed citizens, and public and other leaders knowledgeable of the meaning and wisdom of sustainability and its practices.

Subd. 2. Commitment to Interdisciplinary and Transdisciplinary Sustainable Research. In its aspiration to become a sustainable campus that fosters sustainability in the wider community and

across the Commonwealth, the University shall (a) promote innovative, interdisciplinary and transdisciplinary research projects in the natural sciences, engineering, agriculture, design, business, social sciences, and humanities to inform campus operations as well as the broader community; and (b) engage in collaborative projects and programs to translate these University efforts into programs that foster sustainable towns, cities, and regions.

Subd. 3. Education. If this University is to meet its obligations to pave the way to a sustainable world, its primary mission of educating present and future generations of students must better address the many facets of sustainability through curricular innovation. Undergraduates must be prepared to become engaged citizens involved in facing the challenges of climate change, global pollution, soil depletion, oil and other natural resource scarcities, and the mounting water crisis with interdisciplinary and transdisciplinary understanding, scientific and technical enlightenment, and cultural and social sensitivity. Graduate students and professional degree candidates must be educated and trained to tackle these same problems as civic professionals through professional knowledge and wisdom, and civic commitment, and community leadership.

Subd. 4. Community Engagement. As a land-grant institution and the Commonwealth's flagship university, the University of Kentucky shall promote community outreach activities that enrich citizens, businesses, public and civic entities in the Commonwealth and beyond in living a more spiritually wholesome, physically healthy, and culturally harmonious relationship with their natural and built environment. Whether in its relations with the local community, the Bluegrass region, the entire state or its other geographic touchstones, the University's responsibilities as societal exemplar and educational laboratory of sustainability entail the necessity of forging new and enduring partnerships with these agencies to build a sustainable future for all.

Section V. Implementation

Subd. 1. Administration. The University administration of its sustainability program shall include a presidentially-appointed Sustainability Committee and a Sustainability Coordinator reporting to the Vice President for Facilities Management to advance sustainability goals informing administrative policies and procedures in the areas of planning, decision making, execution, assessment, and reporting. These policies and procedures shall rely on scientific analysis and support the efforts described in subds. 2-6 of this section. The primary responsibility of the Sustainability Coordinator will be to facilitate these activities through participatory, collaborative means. The Sustainability Coordinator shall also be responsible for publicizing the work of campus sustainability programs and their outcomes among students, faculty, staff, administrators, and the larger public. The President's Cabinet will promote the University's sustainability agenda within its domain of influence and report to the campus community how it is advancing the culture of sustainability in support of these policies.

Subd. 2. Operations. Each University unit shall participate in an ongoing University-wide collaborative process that seeks synergies and sustainable balances in the areas of physical planning and development, including building and infrastructure; operations; transportation; purchasing; and waste management and abatement. The results of this process will include:

- a. meeting and working to exceed all applicable and emergent energy, building, and resource conservation regulatory requirements;
- b. working to prevent pollution at its source;
- c. working to attain carbon neutrality;
- d. reducing dependence on non-renewable energy and encouraging renewable energy alternatives;
- e. and fostering the use of a life-cycle cost evaluation process in campus purchasing and construction.

Subd.3. Unit Planning. Each University Unit/College will demonstrate a commitment to developing the University's leadership role in a culture of sustainability by: incorporating sustainability principles across the curriculum, rewarding sustainability-related research, teaching, and service.

Subd. 4. Funding. A continuous revenue stream for funding this sustainability initiative should be generated by the Vice President for Facilities Management. In addition, savings generated by successful natural resource conservation and campus-wide synergies should be re-invested into subsequent sustainability initiatives and for the benefit of the University.

Subd. 5. Accountability. The Sustainability Committee through the direction of the Sustainability Coordinator shall propose to the President measures of success in the implementation of the principles outlined in this policy in consultation with appropriate faculty, staff, students, and experts in the wider community.

Subd. 6. Reporting. The President or delegate shall report to the Board of Trustees annually on the progress toward implementing this policy to identify opportunities for subsequent improvement and greater synergies in University teaching, research, service and outreach, planning and operations.



University of Kentucky *STARS REPORT*

Date Submitted: Feb. 3, 2012

Rating: Silver

Score: 48.03

Online Report: University of Kentucky

STARS Version: 1.0

About STARS

The Sustainability Tracking, Assessment & Rating System (STARS[®]) is a transparent, self-reporting framework for colleges and universities to gauge relative progress toward sustainability. STARS was developed by AASHE with broad participation from the higher education community.

STARS is designed to:

- Provide a framework for understanding sustainability in all sectors of higher education.
- Enable meaningful comparisons over time and across institutions using a common set of measurements developed with broad participation from the campus sustainability community.
- Create incentives for continual improvement toward sustainability.
- Facilitate information sharing about higher education sustainability practices and performance.
- Build a stronger, more diverse campus sustainability community.

The STARS framework is intended to engage and recognize the full spectrum of colleges and universities in the United States and Canada – from community colleges to research universities, and from institutions just starting their sustainability programs to long-time campus sustainability leaders. STARS encompasses long-term sustainability goals for already high-achieving institutions as well as entry points of recognition for institutions that are taking first steps toward sustainability.

STARS 1.0, which launched on January 19, 2010, after a three-year development process, is the first version of STARS in which participants can earn a rating.

About AASHE

STARS is a program of AASHE, the [Association for the Advancement of Sustainability in Higher Education](#). AASHE is a [member-driven organization](#) with a mission to empower higher education to lead the sustainability transformation. [Learn more about AASHE.](#)

Summary of Results

Score 48.03

Rating: Silver

Education & Research	48.12%
Co-Curricular Education	17.50 / 18.00
Curriculum	22.78 / 55.00
Research	7.84 / 27.00
Operations	29.84%
Buildings	3.00 / 13.00
Climate	1.50 / 16.50
Dining Services	2.94 / 8.50
Energy	1.00 / 16.50
Grounds	3.25 / 3.25
Purchasing	2.35 / 7.50
Transportation	4.61 / 12.00
Waste	8.44 / 12.50
Water	2.75 / 10.25
Planning, Administration & Engagement	54.14%
Coordination and Planning	14.00 / 18.00
Diversity and Affordability	13.50 / 13.75
Human Resources	15.75 / 19.75
Investment	0.00 / 16.75
Public Engagement	10.89 / 31.75
Innovation	4.00
Innovation	4.00 / 4.00

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.



February 3, 2012

Office of the President
101 Main Building
Lexington, KY 40506-0032
www.uky.edu

Association for the Advancement of Sustainability in Higher Education
213 ½ North Limestone
Lexington, KY 40507

Re: The University of Kentucky STARS submission

The University of Kentucky proudly submits the sustainability self-assessment using the Sustainability Tracking, Assessment & Rating System (STARS), administered by the Association for the Advancement of Sustainability in Higher Education (AASHE). As President of the University of Kentucky, I am pleased to affirm the accuracy of this submission.

As a premier Land Grant research university and the flagship institution of the Commonwealth of Kentucky, we are steadfastly committed to fulfilling our promise to students, faculty, staff, and our state. The University of Kentucky intently pursues its three-fold mission of: Providing an academic experience that prepares students to lead lives of leadership, meaning, and purpose; conducting research that pushes the boundaries of discovery and confronts the challenges of our state, nation, and world; and serving communities across our state through outreach and extension services. Our shared vision is to carry out this mission in an environmentally responsible and energy conscious manner, serving as a model for students and the state.

Recently, the University of Kentucky opened the doors of the newest addition to our Digital Village: The \$18.6 million Davis Marksbury Building. This LEED-Gold facility houses classroom space and research laboratories for our College of Engineering. Construction is currently underway on UK's first LEED-certified research laboratory at our Center for Applied Energy Research (CAER). The \$19.8 million renewable energy lab will allow CAER to expand its research capabilities devoted to Kentucky's growing renewable energy industries, including biomass and biofuels, electrochemical power sources, and distributed solar energy technologies.

While the physical presence of our commitment to an energy conscious community is critical, the University of Kentucky emphasizes the important role of responsible, micro behavior to yield macro results. Recently, we announced an online educational and behavior change initiative for students, faculty, and staff. The *Empowered* program provides a myriad of tools and information resources directly to the user to gain a better understanding, appreciation, and commitment to leading a sustainable lifestyle.

The University of Kentucky instills responsible practice and behavior techniques through our academic curricula and immersive learning opportunities like the national Solar Decathlon and Solar Car Challenge. Currently, UK offers degree programs in "Sustainable Agriculture" and "Natural Resources and Environmental Sciences," and we are continuing to prepare a third degree program in "Environmental Sustainability Studies." Recently, the National Science Foundation (NSF) selected one of UK's innovative course designs, "Systems Thinking for Accountability," as a funded project within NSF's, "Transforming Undergraduate Education in Science, Technology, Engineering and Math" program.

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Extending beyond our campus, the University of Kentucky is transforming communities through Cooperative Extension services and outreach centers. Last year alone, nearly 40,000 Kentuckians adopted sustainable practices for conserving and protecting soil and water resources through educational programs and support provided by our agriculture extension agents, which resulted in landowners using new or additional conservation practices on nearly 530,000 acres.

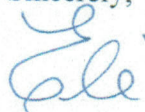
The UK College of Design is part of a public/private partnership that is transforming the economy of southeast Kentucky. Our architects and engineers are part of a project to repurpose former houseboat manufacturing lines to develop energy efficient residences for the region. The "Houseboat to Energy Efficient Residences" (HBEER) partnership shows great promise and projects to develop energy efficient multifamily housing and classroom space for schools in the region have been proposed for the next phase.

The highlights in this letter only begin to scratch the surface on the many endeavors we are undertaking to transform the University of Kentucky for an ecologically healthy world and to prepare our students to compete in a global marketplace of ideas, commerce, and culture.

The enclosed STARS submission further details the multitude of initiatives and programs; research centers and outreach services; and classrooms and curricula, that compose our vision for creating a 21st century flagship, land grant research university. This process has helped us identify areas where we can improve, and we look forward to taking the next step in building a better University of Kentucky.

Thank you for your continuing dedication to a better, more sustainable, future for higher education.

Sincerely,



Eli Capilouto
President



UNIVERSITY OF KENTUCKY

President's Sustainability Advisory Committee

June 20, 2012

Dr. Eli Capilouto, President

Dear President Capilouto,

Your Sustainability Advisory Committee (PSAC) is energized by your involvement in our work and appreciates the challenges you gave us. We left our meeting with you in February with three charges:

1. Make a recommendation regarding the American College and University President's Climate Commitment.
2. Propose a process to develop a sustainability strategic plan for the University.
3. Address the structure and composition of the PSAC.

We have completed the first two tasks and our recommendations are attached. We decided that the most effective structure for the committee will be determined by the direction we choose on the first two recommendations. As such, we recommend that that third task be delayed.

We look forward to your feedback and will be glad to discuss these recommendations at your convenience.

Sincerely,

Courtney Fisk, Co-Chair

A handwritten signature in blue ink that reads 'Courtney Fisk'.

Lee Meyer, Co-Chair

A handwritten signature in blue ink that reads 'Lee Meyer'.

Shane Tedder, Sustainability Coordinator

A handwritten signature in blue ink that reads 'Shane Tedder'.

Subject: Making a University-wide climate commitment.

Dear President Capilouto,

The Sustainability Advisory Committee recommends that the University of Kentucky take a position of leadership in addressing the challenges posed by global climate change by becoming a signatory to the American College and University President's Climate Commitment (ACUPCC).

We feel this action affords many benefits for the University, our students and our Commonwealth now and in the years to come. A strong climate commitment demonstrates the University's willingness to be an exemplar and to take a leadership role on an issue that will have a lifelong impact on our students. Becoming a signatory will also strengthen our existing efforts relative to energy conservation, environmental stewardship, and fiscal responsibility. Finally, it will exhibit the University's commitment to take definite actions based on the findings of the scientific community.

We considered the merits of crafting our own declaration and weighed these against adopting the American College and University Presidents' Climate Commitment and recommend signing the ACUPCC as the superior choice. The ACUPCC Commitment Statement is attached. By becoming a signatory to the ACUPCC, the University of Kentucky joins more than 670 institutions of higher education in recognizing these realities of global climate change: it is in part anthropogenic in nature, the emission of heat-trapping gasses through the combustion of fossil fuels is a primary cause, and that higher education has an important leadership role to play.

Signing the ACUPCC will not require a substantial investment or redirection of University personnel or funds. Much of the work required to meet our obligations will involve relating and integrating our current efforts to the actions outlined in the commitment. The attached table illustrates the overlap between on current efforts and the commitments and actions required by the ACUPCC. The primary exception will be the requirement to develop an institutional action plan for becoming climate neutral. Our action plan must be completed and our target date for climate neutrality established within two years of signing the commitment. Should the University choose to become a signatory, we recommend that a task force be formed to complete this requirement. This team should include high-level stakeholders and decision makers from key areas of campus, including but not limited to the student body, Facilities Management, Capital Projects, the Physical Plant Division, UK HealthCare, UK Athletics, College of Agriculture, Parking and Transportation Services, as well as representatives from Kentucky Utilities and Columbia Gas.

In conclusion, we recommend that the University of Kentucky make a formal commitment to addressing global climate change by signing the ACUPCC and establishing a task force to accomplish the requirements of this commitment. If you have any additional questions regarding this recommendation, please do not hesitate to ask.

Subject: Creating a strategic plan for sustainability at the University of Kentucky.

Dear President Capilouto,

In 2009 the University of Kentucky adopted a policy statement on sustainability that committed the University to fostering an “institutional culture of sustainability.” Since that time much work has been done in various areas of our institution that has directly and indirectly contributed to this goal. To continue our progress toward embedding sustainability into our campus culture and becoming an institutional and social exemplar, we recommend the creation of a sustainability strategic plan that works in concert with the 2009-2014 University of Kentucky Strategic Plan. We believe this plan can, and should, be developed using the personnel and resources already in place at UK and that this process can be completed within a 12-month period.

In spite of the unprecedented financial challenges we are facing, now is the time to develop a strategic plan for sustainability at the University of Kentucky. A strong commitment to integrating sustainability into the curriculum, research and operations of the University will have a positive impact on the recruitment and retention of both students and faculty. Curriculum developed with sustainability as a guiding principle will lead to learning outcomes that yield student success. Sustainability-driven research is interdisciplinary, will attract new funding opportunities and will address the most pressing challenges that we face. Finally, sustainability-driven operations will reduce costs and conserve resources.

The development of this strategic plan should be driven by the vision outlined in the Sustainability Policy Statement¹, be informed by our 2012 Sustainability Tracking Assessment and Rating System Report², and focus its goals on the next three to five years.

We recommend that the plan include targets and metrics for four major focus areas:

1. Operations (Including Planning and Administration)
2. Research
3. Education
4. Engagement

We recommend that a team of faculty, staff and students be assembled to craft a plan for each focus area and that each team be chaired by a high-level administrator. These sub-sections of the plan should be developed and formatted to include:

- A vision statement;
- Goals for the next three to five years;
- Strategies for achieving these goals;
- Metrics for measuring progress and;
- An evaluation and revision process.

Finally, each team should use a defined process to ensure that their section of the plan includes feedback from a broad range of campus and community members.

If you would like this committee to proceed on this plan, we will develop a timeline, resource needs, and recommendations for staffing the committees.

¹ www.sustainability.uky.edu/policy/

² www.stars.aashe.org/institutions/university-of-kentucky-ky/report/2012-02-03/



American College & University Presidents' Climate Commitment

We, the undersigned presidents and chancellors of colleges and universities, are deeply concerned about the unprecedented scale and speed of global warming and its potential for large-scale, adverse health, social, economic and ecological effects. We recognize the scientific consensus that global warming is real and is largely being caused by humans. We further recognize the need to reduce the global emission of greenhouse gases by 80% by mid-century at the latest, in order to avert the worst impacts of global warming and to reestablish the more stable climatic conditions that have made human progress over the last 10,000 years possible.

While we understand that there might be short-term challenges associated with this effort, we believe that there will be great short-, medium-, and long-term economic, health, social and environmental benefits, including achieving energy independence for the U.S. as quickly as possible.

We believe colleges and universities must exercise leadership in their communities and throughout society by modeling ways to minimize global warming emissions, and by providing the knowledge and the educated graduates to achieve climate neutrality. Campuses that address the climate challenge by reducing global warming emissions and by integrating sustainability into their curriculum will better serve their students and meet their social mandate to help create a thriving, ethical and civil society. These colleges and universities will be providing students with the knowledge and skills needed to address the critical, systemic challenges faced by the world in this new century and enable them to benefit from the economic opportunities that will arise as a result of solutions they develop.

We further believe that colleges and universities that exert leadership in addressing climate change will stabilize and reduce their long-term energy costs, attract excellent students and faculty, attract new sources of funding, and increase the support of alumni and local communities.

Accordingly, we commit our institutions to taking the following steps in pursuit of climate neutrality:

1. Initiate the development of a comprehensive plan to achieve climate neutrality as soon as possible.
 - a. Within two months of signing this document, create institutional structures to guide the development and implementation of the plan.
 - b. Within one year of signing this document, complete a comprehensive inventory of all greenhouse gas emissions (including emissions from electricity, heating, commuting, and air travel) and update the inventory every other year thereafter.
 - c. Within two years of signing this document, develop an institutional action plan for becoming climate neutral, which will include:
 - i. A target date for achieving climate neutrality as soon as possible.
 - ii. Interim targets for goals and actions that will lead to climate neutrality.
 - iii. Actions to make climate neutrality and sustainability a part of the curriculum and other educational experience for all students.
 - iv. Actions to expand research or other efforts necessary to achieve climate neutrality.
 - v. Mechanisms for tracking progress on goals and actions.

(continued...)

2. Initiate two or more of the following tangible actions to reduce greenhouse gases while the more comprehensive plan is being developed.
 - a. Establish a policy that all new campus construction will be built to at least the U.S. Green Building Council's LEED Silver standard or equivalent.
 - b. Adopt an energy-efficient appliance purchasing policy requiring purchase of ENERGY STAR certified products in all areas for which such ratings exist.
 - c. Establish a policy of offsetting all greenhouse gas emissions generated by air travel paid for by our institution.
 - d. Encourage use of and provide access to public transportation for all faculty, staff, students and visitors at our institution.
 - e. Within one year of signing this document, begin purchasing or producing at least 15% of our institution's electricity consumption from renewable sources.
 - f. Establish a policy or a committee that supports climate and sustainability shareholder proposals at companies where our institution's endowment is invested.
 - g. Participate in the Waste Minimization component of the national RecycleMania competition, and adopt 3 or more associated measures to reduce waste.
3. Make the action plan, inventory, and periodic progress reports publicly available by submitting them to the ACUPCC Reporting System for posting and dissemination.

In recognition of the need to build support for this effort among college and university administrations across America, we will encourage other presidents to join this effort and become signatories to this commitment.

Signed,

President/ Chancellor Signature

President/ Chancellor Name

College or University

Date

Please send the signed commitment document to:

Presidents' Climate Commitment
c/o Second Nature
18 Tremont St., Suite 308
Boston, MA 02108

or fax to: 320-451-1612
or scan & email to: ACUPCC@secondnature.org