

**SUSTAINABILITY ADVISORY COMMITTEE MINUTES
MISSOURI STATE UNIVERSITY
10:00 AM, CARR 203, May 5, 2015**

Attendees:

**Ken McClure
Tammy Jahnke
Jordan Schanda
Bill Cheek
Jennifer Cox
Julia Greene
Teresa Frederick
Terrel Gallaway
Tony Hein
Thomas Lane
Barbara Lucks
Tina McManus
Matt Morris
Cara Shaefer
David Vaughan
Max Wagner
Mike Klem
Pilar Karlen
Emma Donovan**

A. Approve Minutes from April 7, 2015 meeting – approved 10:01 am

**B. Choose Environmental Excellence Awards Presentation/Luncheon April 17, 2015-
Press release noted and separate attachments provided to committee.**

- ❖ **Award winners – David Fraley and Lisa Berger and Kyle Bentley are all graduates of Missouri State University**
- ❖ **Missouri State University Sustainability Advisory Committee gave an award to the Darr School of Agriculture.**
- ❖ **Giving out awards – Mike Kromrey, Erick Roberts and Errin Kemper are all MSU graduates (honestly there could be more!)**
- ❖ **Organizing the whole event – Barbara Lucks – Graduate of Missouri State University**

C. Reports from subcommittees -

1. Energy Subcommittee – Jen Cox, Chair

❖ **Campus Conservation Nationals Results-**

- **During CCN we reduced our energy use on campus by 11.1% compared to our baseline. We saved 135,816 kWh and averted 255,480 pounds of carbon dioxide. Strong Hall was the winner of the academic building energy competition with a reduction of 35.8% and Hutchens House took first place in the Residence Hall Energy Competition by reducing energy usage by 10.6%. We had several programs over the course of the month which included the Instagram competition with the big light switch provided by the City of Springfield, trivia night, online trivia and Ecopalooza, which was the wrap up event**

for CCN at which we provided veggie burgers and sweet potato fries. Special appreciation to Chartwells for assistance with the food costs and prep as well as to the City of Springfield and Johnson Controls for their financial support. I neglected to mention this but City Utilities also provided CFL bulbs and LED night lights which were used as giveaways for the students and greatly appreciated.

- Ecopalooza/appreciation to Chartwells
- Julia Greene couldn't be at the meeting but asked that I share her great appreciation for the great efforts that went into the Ecopalooza event, in 9 years this is the best one yet!
- Mizzou still compiling and will provide their rankings and competition results as well. We will also share our overall results when we have them.
- Temple Occupancy Sensor Crowdfunding project- <https://www.missouristatecrowdfunding.org/dreamdetails/Details/36>. The committee was encouraged to share with the community to gain additional donors and future opportunities for funding beyond this event.
- The subcommittee will not meet during the summer but will be doing several specific projects for continued focus on energy savings/educational events, encouraging removal of office refrigerators and water coolers project to gain additional energy savings since water filtration stations have been inserted in various locations on campus.
- September is Water Conservation Month- a group has formed to work on this project

2. **Benchmark Subcommittee – David Vaughan, Chair**—David provided a PowerPoint presentation with details established May 2013 to current date/handout provided as well. The subcommittee recommends consideration of the AASHE STARS program for true benchmarking as the charge for this subcommittee has been met and satisfied.

Questions-Mike Klem regarding heat pumps on campus (DARR), how it relates to AASHE rating since it is not included in the report. David noted he will follow up and provide an amended report.

3. Goal Watching Subcommittee – Joe Pitts and Mike Klem, Co-Chair's

D. Vision Task Force-Tammy Jahnke--

- ❖ **Vision Statement:** In accordance with the Public Affairs Mission, Missouri State University is committed to incorporating sustainability into campus operations and fostering principles of environmental stewardship. ~~among all University employees and students~~. Therefore, the University commits to advance environmental, social and economic sustainability, as measured by continued improvement within the Sustainability Tracking, Assessment & Rating System (STARS), a program of the Association for the Advancement of Sustainability in Higher Education (AASHE)—the statement will be made available to the Chair for the next task force meeting to be approved.
- ❖ Strategic planning committee will be formed to meet over the summer. A draft strategic plan will be prepared to review at the September committee meeting. This committee shall be comprised of the following members:
 - Janice Greene, Thomas Lane, Tony Hein, Jen Cox, Theresa Frederick, Pilar Karlen, Matt Morris, Jordan Schanda, and Max Wagner who will check with additional interest from students.

E. AASHE STARS Update – Jordan Schanda—some final details to insert but nothing additional to report at this time.

F. Max Wagner-

- **Passed proposals**

1. **Bike rack** to be installed on the west side of the Plaster Center for Free Enterprise.
2. **Occupancy sensor lighting** for the main laundry room, basement, first floor, and the eighth floor of Hutchens House

- **Proposals up for vote:**

1. **Sustainability Literacy Project-**

- "The Sustainability Literacy Program would utilize workbooks created by the Northwest Earth Institute (NWEI) to allow groups of students, faculty, and staff to complete discussion courses on several different topics relating to sustainability. Professionals with a variety of different backgrounds write the workbooks. These workbooks are not only designed to promote sustainability, but also to encourage personal health development, cultural awareness, and social action. Each of the workbooks chosen for this project are designed to facilitate educational growth relating to the 'environmental' area as defined by the Sustainability Commission."

2. **Lots 18 & 22/24-**

- "This proposal is recommending that the (11) 400 Watt High Pressure Sodium lights in parking lot #18 be replaced with light-emitting diode (LED) lighting system. With this conversion, there will be a reduction in energy usage of 33%, annual energy savings of \$508, and an approximately annual maintenance savings of \$734 (90% reduction). The simple payback is 10.8 years. Project B: This proposal is recommending that the (46) 400 Watt High Pressure Sodium lights in parking lot #22 and lot #24 be replaced with light-emitting diode (LED) lighting system. With this conversion, there will be a reduction in energy usage of 54%, annual energy savings of \$3,455, and an approximately annual maintenance savings of \$1,472 (86% reduction). The simple payback is 7.8 years.

3. **Student Sustainability Internships-**

- "The goal of this proposal is to create and fund 2-4 student sustainability internships at Missouri State University. The sustainability interns would work together with the Sustainability Coordinator to promote sustainability at the university. The internships have multiple functions. They will provide valuable sustainability job experience crucial for finding jobs in the sustainability field, may fulfill the optional internship credit for the sustainability minor, and will help the school to accomplish its various sustainability goals in a way that is beneficial for all parties."

4. **Campus garden-**

- To change the purpose and mission statement of the campus garden
- Propose that produce be donated to a local food assistance program coordinating with Missouri State University instead of being sold
- Propose the availability of funds to be used towards proper post-harvest produce handling and purchasing and storage of volunteer tools
- To allow the campus garden managers to utilize paid time spent at the garden towards internship credit if they meet the requirements set by their advisors or departments for said credit
- Create several unpaid internship positions for the remaining responsibilities that would have the potential to develop into paid positions and would be posted as needed and determined by the campus garden managers and the advisory committee
- Re-outline job responsibilities for campus garden managers and establish responsibilities for unpaid interns
- Condense information from previous proposals
- Request manager wages for 49 weeks/year instead of 44 weeks/year

5. Karls Hall Greenhouse: Energy Waste Reduction-

- "The rooftop greenhouse of Karl Hall provides Missouri State University students with a hands-on learning experience, an invaluable teaching tool that caters to all disciplines. The greenhouse, built in 1998, has a variety of uses including showcasing plants, greenhouse management and production, research projects for food security, research into agricultural disease resistance, and floral propagation. The greenhouse has not been properly serviced since its initial construction and has many problems which should be addressed to help with energy consumption and management. This proposal addresses the most basic issues that would immediately help in the energy consumption and maintenance of the greenhouse climate systems."

❖ **Next Chief Sustainability Commissioner for Fiscal Year 2016: Timothy Hogenkamp**

❖ **Next Director of Sustainability for Fiscal Year 2016: Wyatt Taylor**

➤ **News from around the room!**

Jordan Schanda-Sustainability May Newsletter now available! (See separate attachment.)

- **Sign up to receive the newsletter here:**
<http://www.missouristate.edu/Sustainability/Publications-and-Documents.htm>

Pilar Karlen-

- **Lighting improvements-** We are installing lighting controls on chiller rooms where lights are usually on 24/7. We will save approx. 90% of the energy cost used for lighting on those rooms.
- **Cooling Towers-** Most of Chilled Water District cooling towers have been cleaned thoroughly in order to increase the efficiency of the system.

Teresa Frederick-

- Revamped the Green Room Certification process to make it entirely accessible online. We had a really good response in April.
- End of semester recycling efforts currently taking place.

Tony Hein-added coffee grounds to composting efforts.

Barbara Lucks-

- A successful pharmaceutical take back event was held 5/2 with over 1400 pounds collected.
- "Thank you" to the Committee for sponsoring an award at the recent Choose Environmental Excellence Awards Luncheon. Congratulations to the Darr School of Agriculture!
- We recently planted 135 plants at the Environmental Resource Center and were able to water them 5 times from our 1300 gallon cistern and the rooftop rainwater harvesting system that feeds it.
- City Council and County Commission will soon be considering participation in the Property Assessed Clean Energy (PACE) program. MSU would be eligible to submit energy saving projects through the funding mechanism.

Mike Klem-Woodlands article noted, trails being developed and donation from Bill Darr noted for additional parking, tree identifying project underway, history of woodlands booklet through Sally McAlear at Darr Agriculture Center, soon to offer tours when the area is properly labeled, mapped out and made more safely accessible.

Bill Cheek-Give Ozarks project currently taking place, encouragement to all to participate.

Matt Morris-Annual electricity/steam outage May 16-17 is coming up, so spread the word! Construction projects around campus will be in full swing for a number of areas starting May 18 so be aware and be patient as the exciting work on our campus is completed.

Next meeting:

September 1, 2015

<http://www.missouristate.edu/sustainability/>