

Workshop: Environmental Stewardship at USI

I almost view this more as a “reverse workshop”

I will share some background & information about our plan & this new initiative on campus, and then...

You folks need to educate me, share ideas, help us brainstorm, etc.

All of this is targeted at making USI a more responsible environmental steward & a regional community leader in sustainable practices

Environmental Stewardship Committee. Historical timeline:

On 12/15/06--I put forth a charge to the Faculty Senate: Exploring Campus Practices & Community Leadership in Issues of Environmental Stewardship & Sustainability -- Charge unanimously approved, ad hoc committee assigned

2/12/07: Senate Ad hoc committee reported back that USI “has an obligation, as a recognized community leader, to commit the time, effort, and fiscal resources necessary to implement a comprehensive environmental stewardship program”

2/16/07: Senate recommends creation of “a new permanent university committee for Environmental Stewardship”

In Fall of 2009, President Bennett populated the committee

<http://www.nwf.org/campusecology/>




The fact is, we're "a bit late"

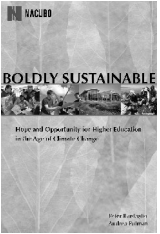


<http://www.ulsf.org/>


Talloires Declaration: 1990
10-point action plan for incorporating sustainability & environmental literacy in teaching, research, operations & outreach at colleges & universities
412 signatories
161 in US



Association for the Advancement of Sustainability in Higher Education
<http://www.aashe.org/>



http://www.nacubo.org/Business_and_Policy_Areas/Sustainability.html



CAMPUS SUSTAINABILITY PLANNING NETWORK
<http://www.campussustainability.info/>
8th Campus Sustainability Day celebrated on campuses: 10/27/10

<http://www.easternct.edu/sustainenergy/>



<http://www.campusgreenbuilder.org/>




<http://www.uspartnership.org>

I need to share 2 personal stories/observations--SORRY!

1-I truly have a general disgust w/ the local community-level environmental ethic (or lack thereof) in Evansville

-“we” oppose air quality standards because they “will” hurt economic development

-20 yrs ago, New England’s chain grocery (Shop-n-Save = Schnucks equiv) credited \$0.03/reusable bag

-thru ‘90’s Pop of Evansville up 4.8%, Urban land up 22.1% then community leaders say road’s “purpose is development”

2-I was honored to have been the 2007 Fall Commencement speaker--I included an environmental ethic component

part of it was--Reduce...reuse...recycle: tell story

Let’s not fool ourselves, if this “t hing” is to truly work, we’re talking about a fundamental, cultural shift

Environmental Stewardship Committee.

“Appointed by the president to review issues related to environmental stewardship and sustainability on the USI campus, the Environmental Stewardship Committee recommends opportunities to minimize resource consumption, maximize energy reduction practices, promote recycling efforts, and educate the community on issues of sustainability.”

- Chair: Paul Doss 3-yr. term: 09-10 to 12-13
- Bus. Affairs: Miles Mann 2-yr. term: 09-10 to 11-12
- Physical Plant: Mike Mohr 1-yr. term: 09-10 to 10-11
- Food Services: William Haliburton 1-yr. term: 09-10 to 10-11
- Community/Alumni: M. Patzer 2-yr. term: 09-10 to 11-12
- Faculty Senate faculty appt S. Zehr 2-yr. term: 09-10 to 11-12
- Faculty Senate faculty appt Z. Mitchell 3-yr. term: 09-10 to 12-13
- Faculty Senate student appt A. Brown 2-yr. term: 09-10 to 11-12
- SGA student appt unfilled 1-yr. term: 09-10 to 10-11
- Administrator: Wendy Bredhold 3-yr. term: 09-10 to 12-13
- Staff Council: Mary Ann Bernard 1-yr. term: 09-10 to 10-11

What's happening with our Neighbors, peers, & “benchmarks?”

***Truman State & Central Florida will be USI's SWOT benchmarks

Univ. of Evansville's "Schroeder Family School of Business Administration Is County's 1st Green Building" 02/09/09
"We are extremely proud today to have the first – and...only LEED® -certified building in this area," --Stephen Jennings.
"...one of our goals to reduce our carbon footprint in any way we can...build our campus structures so they require less energy...adhere to...standards laid out by the Leadership in Energy and Environmental Design."



"... we're already getting excited about the next step, ... taking the new, LEED® -registered Ridgway University Center through the certification process."


Notre Dame Appoints First Director of Sustainability

Univ. of Notre Dame appointed its 1st director of the new Office of Sustainability... university provided sustainability office with \$2 million loan fund for environmental improvements in campus buildings & operations (Harvard's sustainability fund = \$12 million, 22 FTE staff)

National Wildlife Federation praises Ball State as a model of sustainability (9/24/08)
The (NWF) continues to regard Ball State University's environmental leadership as a model for other schools to follow.
The university has extended its 16-year history of earning NWF honors with its inclusion in:
"Campus Environment 2008: A National Report Card on Sustainability in Higher Education."

Ball State Breaks Ground on Nation's Largest Geothermal System: SustainableBusiness.com

U.S. Sen. Richard Lugar (R-Ind.) ...began drilling the first of up to 4,000 boreholes required by the project...the university expects to heat & cool via geothermal means > 40 buildings... realizing significant annual energy savings & cutting carbon emissions by approximately 80,000 tons/year.



endowmentinstitute.org

The College Sustainability Report Card 2010

Could this serve as a template for our considerations?

INDIANA UNIVERSITY—BLOOMINGTON B-

2010 Sustainability Report Card

| | | |
|------------------------------------|----------|--|
| Academic | B | The university is committed to a program of sustainability and environmental stewardship. The university has established the Sustainability Center (SC) to coordinate and promote sustainability efforts. The university has also established the Sustainability Center (SC) to coordinate and promote sustainability efforts. |
| Climate Change & Energy | B | The university has implemented a number of energy-saving measures, including the use of energy-efficient lighting and equipment. The university has also implemented a number of energy-saving measures, including the use of energy-efficient lighting and equipment. |
| Food & Recycling | B | The university has implemented a number of food and recycling programs, including the use of compostable food service containers and recycling bins. The university has also implemented a number of food and recycling programs, including the use of compostable food service containers and recycling bins. |
| Green Buildings | C | The university has implemented a number of green building programs, including the use of LEED-certified buildings and green building practices. The university has also implemented a number of green building programs, including the use of LEED-certified buildings and green building practices. |
| Water | A | The university has implemented a number of water-saving programs, including the use of low-flow toilets and faucets. The university has also implemented a number of water-saving programs, including the use of low-flow toilets and faucets. |
| Waste | C | The university has implemented a number of waste-reduction programs, including the use of recycling bins and composting programs. The university has also implemented a number of waste-reduction programs, including the use of recycling bins and composting programs. |
| Transportation | C | The university has implemented a number of transportation programs, including the use of car-sharing programs and bike-sharing programs. The university has also implemented a number of transportation programs, including the use of car-sharing programs and bike-sharing programs. |
| Greenhouse Gas Emissions | A | The university has implemented a number of greenhouse gas reduction programs, including the use of energy-efficient buildings and equipment. The university has also implemented a number of greenhouse gas reduction programs, including the use of energy-efficient buildings and equipment. |
| Community Outreach | D | The university has implemented a number of community outreach programs, including the use of sustainability workshops and events. The university has also implemented a number of community outreach programs, including the use of sustainability workshops and events. |

© 2007-2010 Sustainable Endowments Institute

So...What about USI...

The more ideas, the better


The more people involved, the better

The more advances we make, Evansville's quality of life...better

The more improvements we make, the more \$\$ saved

We certainly have a lot of "low-hanging fruit" at USI for the pickin'

- I'm pretty sure Mom & Dad taught me to turn off lights when leaving a room when I was about 6 years old--I wonder if Higher-Ed folks can re-learn!
- "Smart" Power strips: turn off computer sl..and peripherals***M. Patzer
- Stronger recycling program (Eco-Eagles: Greg Wagoner--Residence Life)
- pervasive use of recycled products (office supplies, etc.)
- motion sensor on lights (** New Yrs Eve day visit)
- incandescent bulbs to CFL's
- Food services:
 - Composting, local foods (fish, produce, meat s, etc), or organic meat s, greater vegetarian of ferings
- reduce/partial elimination of hot water
- Grounds crew: fertilizers and application, native plantings, etc.
- Why haven't we designed LEED buildings?



Study by Michael Patzer, Econ student w/ Cashel-Cordo

1300 computer lab machines only (no faculty/staff/residence, etc)

Power save variables (assumptions)

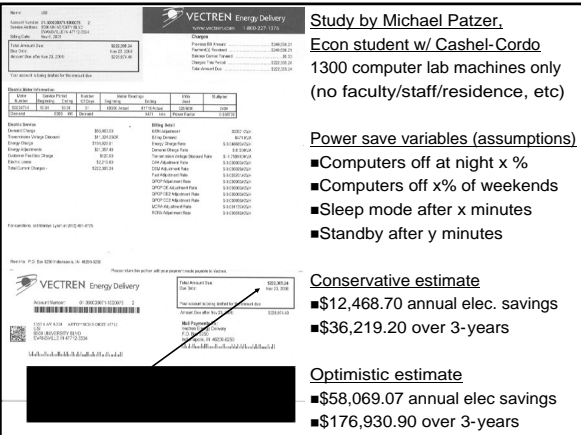
- Computers off at night x %
- Computers off x% of weekends
- Sleep mode after x minutes
- Standby after y minutes

Conservative estimate

- \$12,468.70 annual elec. savings
- \$36,219.20 over 3-years

Optimistic estimate

- \$58,069.07 annual elec savings
- \$176,930.90 over 3-years



So...What about USI...

The more ideas, the better


The more people involved, the better

The more advances we make, Evansville's quality of life...better

The more improvements we make, the more \$\$ saved

We certainly have a lot of "low-hanging fruit" for the pickin'

- I'm pretty sure Mom & Dad taught me to turn off lights when leaving a room when I was about 6 years old--I wonder if Higher-Ed folks can re-learn!
- "Smart" Power strips: turn off computer sl..and peripherals***M. Patzer
- Stronger recycling program (Eco-Eagles: Greg Wagoner--Residence Life)
- pervasive use of recycled products (office supplies, etc.)
- motion sensor on lights (** New Yrs Eve day visit)
- incandescent bulbs to CFL's
- Food services:
 - Composting, local foods (fish, produce, meat s, etc), or organic meat s, greater vegetarian of ferings
- reduce/partial elimination of hot water
- Grounds crew: fertilizers and application, native plantings, etc.
- Why haven't we designed LEED buildings?



AND PERHAPS MOST IMPORTANTLY ...

WE NEED TO "SATURATE" OUR CURRICULUM, OUR ADVISING, OUR PRACTICES, & THE EXAMPLES WE SET FOR OUR STUDENTS

WITH THE IMPORTANCE OF SUSTAINABILITY AND ENVIRONMENTAL STEWARDSHIP

-NOW...

Let's make this list of "low-hanging fruit" longer!!!!

Some near-term needs/ideas/initiatives:

Does someone have a fabulous recommendation to the SGA for their student appointee? I expressed explicitly to the senate and the president, & each agreed, that we want members ready to dedicate themselves & be active.

"Bright idea box": A web-based suggestion box, annual themes, \$\$ prizes for best ideas, 1st year theme...sustainability!

Katherine A. Draughon
Executive Director of Planning, Research, & Assessment

Regional Campus-sustainability Coordinators: Identify individuals from each academic and operational building who will serve as a committee contact; also act to provide observations, information, and ideas

Various student body (faculty...administrators?) contests: Electricity usage (<http://cs.oberlin.edu/~envs/dashboard/index.php>), minimize resource (office supply) consumption, recycling thresholds, ???

Type ideas here...first workshop
 Talliores Decl as a benchmark?
 Regular stewardship column in the papers--Courier/Shield!
 Link to community programs...Keep EVV beautiful
 Check disciplinary societies for "guidelines"
 Integrated Service learning initiatives
 Environmental issues experts/media guide
 URMIA & CSHEMA: Environmental/risk/safety
 Student worker coordination in power town
 Custodial services involvement
 Transportation options: east-side express
 Investigate a Respiratory study!
 Website: "tip of the day"/facebook/...?
 Environmental Justice

Type ideas here: Second workshop
 External speakers
 Online survey of environmental behaviors & Knowledge
 Regular dept level "reminders"
 Course centered survey of faculty behaviors
 Web presence
 Partnership w/ Regional sustainability conference
 Organic garden!
 Green roof on tech center
 Service-learning: respiratory and cancer health issues
 Email outreach to all faculty regarding energy consumption
 Elevators and disabled entry use
 Climate control in space
 Paperless
 Grants for "fiscal/environmental" efficiency
 Consolidated tips list
 Disposable servings
 Grounds: landscaping, native species
 Maintenance focus on energy and resource savings
 Summer 4-day work week (NIU?)

Type ideas here...

Environmental Stewardship Committee. (continued)

The members are appointed for three-year staggered terms and include the chair (appointed by the president), a representative of Business Affairs, a representative of Physical Plant, a representative of Food Services, a community/alumni representative, two faculty and one student appointed by Faculty Senate, one student appointed by the Student Government Association, one member of the support staff appointed by Staff Council, and one administrator.

Additional members may be asked to serve upon recommendation of the chair.

This document was created with Win2PDF available at <http://www.win2pdf.com>.
The unregistered version of Win2PDF is for evaluation or non-commercial use only.
This page will not be added after purchasing Win2PDF.