

Sustainability Working Advisory Teams (SWATeams)



Energy Conservation &
Building Standards



Energy Generation,
Purchasing, & Distribution



Transportation



Purchasing, Waste, &
Recycling



Water and Stormwater

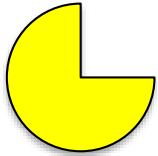


Agriculture, Land Use, Food,
and Sequestration

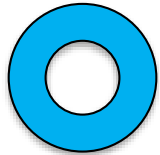
iCAP Objectives Handout



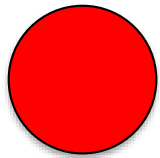
Completed



Actively In Process



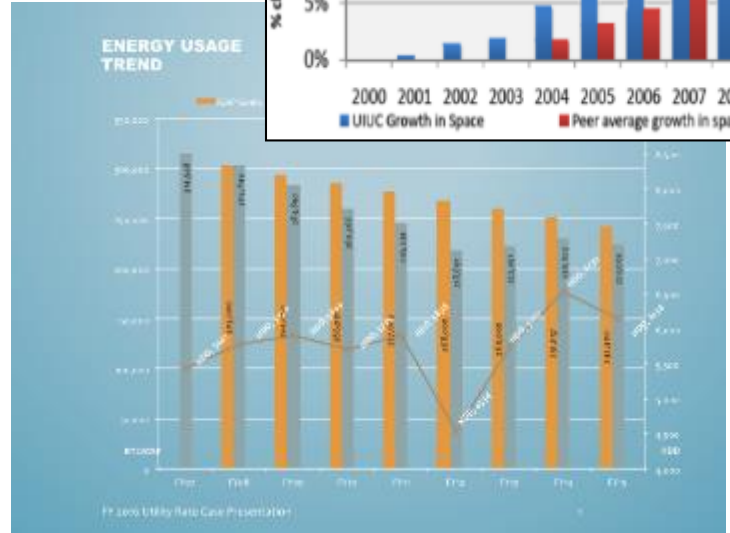
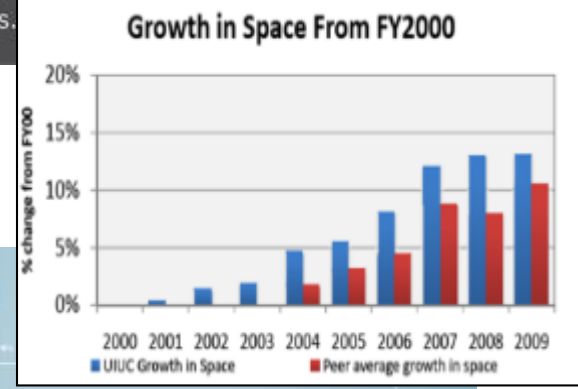
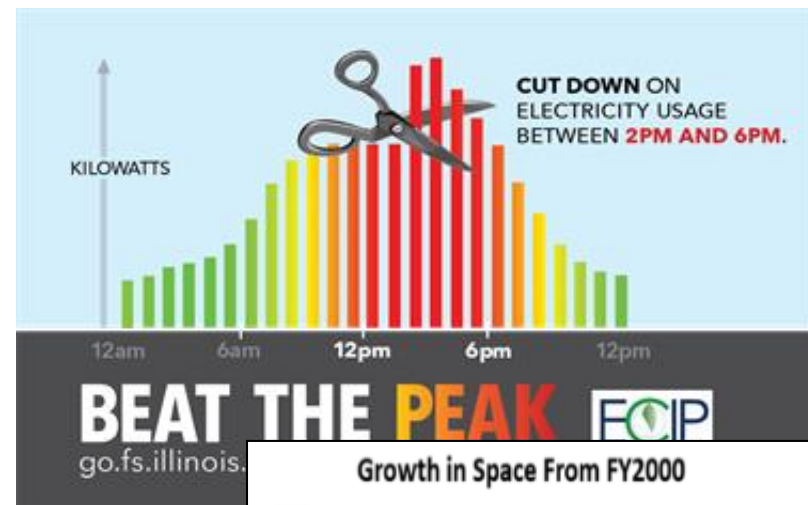
Needs Continuous Effort



Pending

Energy Conservation and Building Standards (ECBS) objectives:

1. No New Space (back to FY10 baseline)
2. Highest achievable energy standards
3. Strengthen centralized conservation (30% reduction of total use in FY20)
4. Incentivize behavior change, at least 50% of units participating energy conservation campaign by FY20



Energy Generation, Purchasing, and Distribution (eGen) objectives:

<https://minisite.alsoenergy.com/Dashboard/2a5669735065572f4a42454b772b714d3d>

1. Explore options for 100% clean energy
2. 12,500 MWh/yr campus solar by FY20
3. 120,000 MWh/yr from low-carbon energy by FY20
4. Offset all emissions from Petascale (NCSA)



Transportation objectives:

1. Reduce air travel emissions 25%
2. Reduce fleet emissions 20% by FY20
3. Develop scenarios for converting the campus fleet to renewable fuels
4. Reduce % of staff driving-alone from 65% to 55% by FY20
5. Implement the Campus Bike Plan
6. Hire active transportation coordinator.



Water and Stormwater objectives:

1. Publicize water use data
2. Improve cooling tower efficiency
3. Perform a water audit to establish water conservation targets
4. Benchmark landscape performance
5. Implement 4 pilot water re-use projects
6. Investigate and reduce stormwater pollution



Figure 2. Boneyard Creek catchment area (Boneyard Creek is represented by the dashed blue line).



Purchasing, Waste, and Recycling (PWR) objectives:

1. By FY17, apply environmental standards for purchasing of office paper, cleaning products, computers, other electronics, and freight/package delivery services
2. Reduce waste going to landfills, and increase the diversion rate to 45%
3. Utilize landfills with methane capture
4. Hire a Zero Waste Coordinator



ACCEPTABLE

Office Paper: All Types
Newspaper
Magazines
Journals
Envelopes: All Types
Junk Mail
Ream Wrappers
Books
Phone Books
Manila and File Folders *including:*

- All Colors
- Staples
- Paper Clips
- Rubber Bands

BOTTLES AND CANS

ACCEPTABLE	UNACCEPTABLE
Plastic Bottles 1 & 2 & Aluminum Cans* *Look for the 1 on the bottle	Other Plastics Steel, Tin, Glass

PAPER

ACCEPTABLE	UNACCEPTABLE
Office Paper - All Types Newspapers Magazines Journals Envelopes All Types Junk Mail Ream Wrappers Books Manila and File Folders including: • All Colors • Staples • Paper Clips • Rubber Bands	Carbon Paper Tapes File Folders Candy Wrappers Mini Report Covers Paper Tunnels Posters Blue Tint



Agriculture, Land Use, Food, and Sequestration (ALUFS) objectives:

1. Assess and reduce emissions from agricultural operations
2. Sustainable landscape planning with a tree care plan and an integrated pest management program by FY17
3. Integrate iCAP in Campus Master Plan
4. Increase local food procurement in Dining Halls from 28% to 40% by FY25
5. Convert 50 acres to agroforestry
6. Reduce nitrates in agricultural runoff and subsurface drainage by 50%



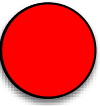
Carbon Offset objectives:



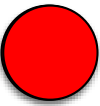
1. RFP for purchasing verified carbon offsets



2. By the end of FY17, enable campus units to voluntarily purchase carbon offsets



3. By the end of FY18, develop a program of local or regional mission-linked verified offsets



4. In FY20, utilize carbon offsets to meet all unmet iCAP emission targets

Funding objectives:



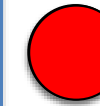
1. Develop criteria for allocating funds



2. Increase the Revolving Loan Fund to level with peers



3. Identify funds available for non-payback projects and options to increase that amount annually



4. Evaluate the feasibility of internally putting a price on carbon emissions



Education objectives:



1. Undergraduate Minor



2. Offer opportunities for undergraduate students to obtain research and practical experience by participating in independent study projects on topics in sustainability.

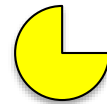


3. Add at least five new sustainability-focused courses by FY20.

Outreach objectives:



1. Support student sustainability programs



2. Strengthen and communicate about sustainability outreach programs. By FY20, 50% of units participating in the Certified Green Office Program



3. Annually host three major sustainability events: Earth Week, Campus Sustainability Week, and the iSEE Congress



Research objectives:



1. Create a hub for the sustainability community: to develop a comprehensive online gateway for faculty, staff, students, potential donors, and all interested parties to find information about sustainability research, education, outreach, initiatives, and operations.



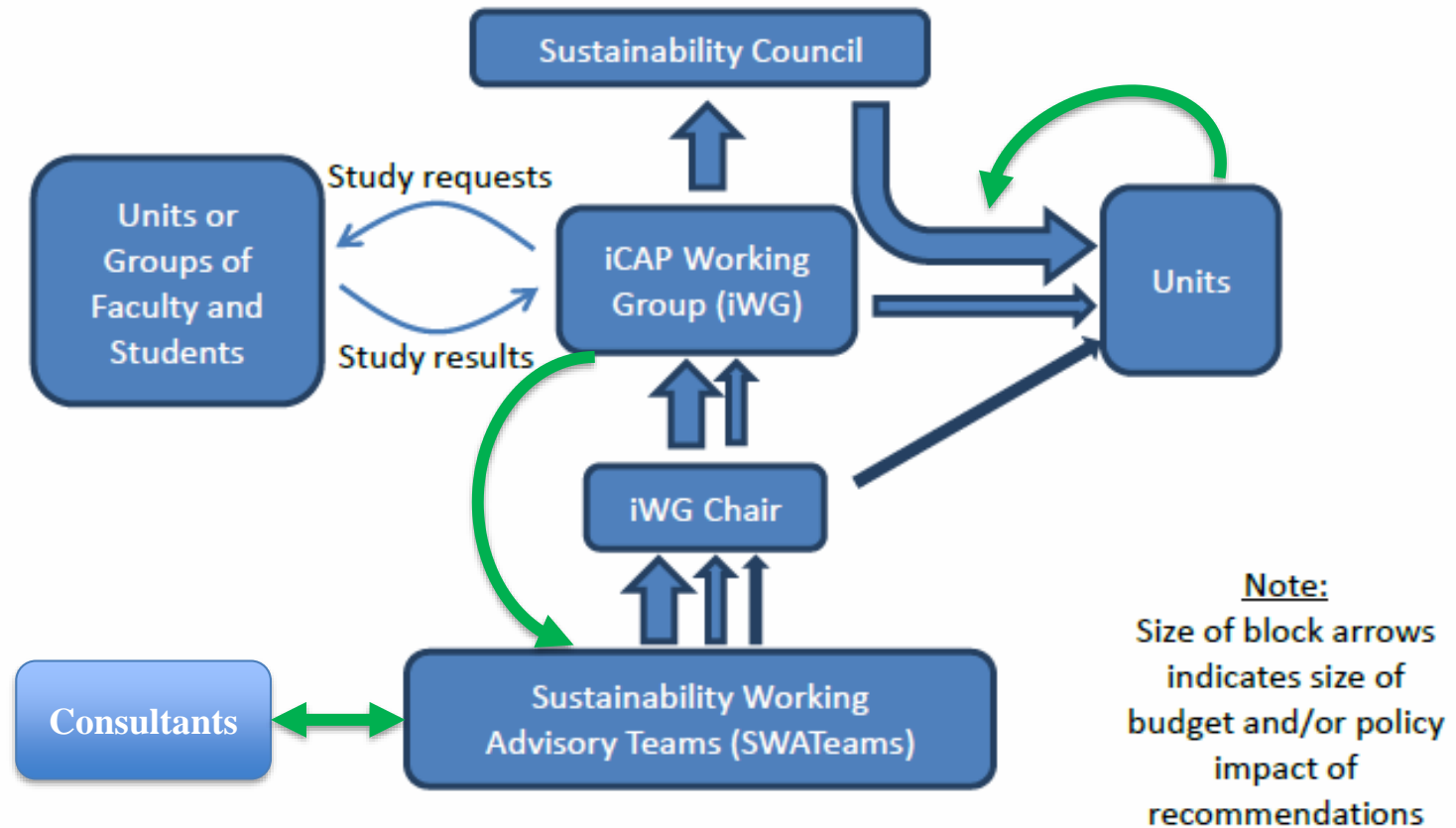
2. Build connections: to bring together scholars from across campus to encourage collaboration, and to enhance research endeavors.



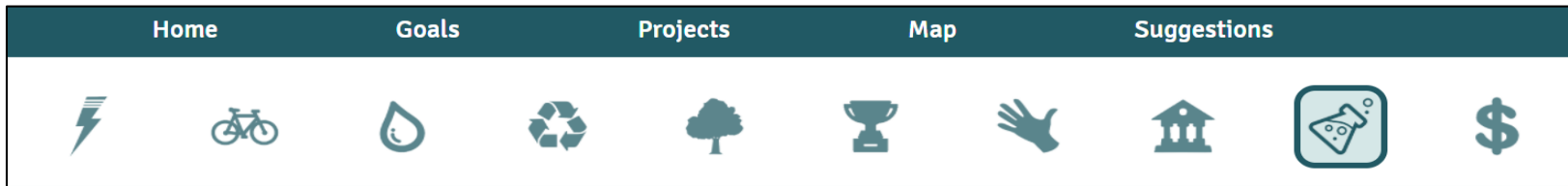
3. Foster “actionable” research: to encourage and support research that provides real-world solutions to society’s grand challenges in sustainability.



Campus Sustainability Procedures



iCAP Portal with Links to National Research Programs



Home » Theme: Research

<https://icap.sustainability.illinois.edu/themes/research>

Research

Research is central to the sustainability of the University and the region. Already a world leader in sustainability and climate research, Illinois is developing opportunities for researchers from diverse disciplines to come together to explore new frontiers in discovering solutions to the challenges ahead. Innovative research collaborations focused on creating knowledge and new technologies are being developed to discover, analyze, and implement new approaches for addressing sustainability and climate change challenges.

[Expand all](#) | [Collapse all](#)

- [Research Opportunities and Projects](#) Ongoing
- [Campus Research Projects](#) In Progress
 - [Incentives for Sustainability Research](#) In Progress
 - [Inventory Sustainability Research](#) Completed
 - [Definition of Sustainability Research](#) In Progress
 - [Interdisciplinary Research Seminar](#) In Progress
 - [Promotion & Tenure: Interdisciplinary Research](#) Proposed
 - [Research Institutions on Campus](#) In Progress
- [National Research Programs](#) Ongoing
 - [Department of Commerce \(DOC\)](#) Ongoing
 - [Department of Defense \(DOD\)](#) Ongoing
 - [Department of Energy \(DOE\)](#) Ongoing
 - [Department of Housing and Urban Development \(HUD\)](#) Ongoing
 - [Department of Interior \(DOI\)](#) Ongoing
 - [Department of State](#) Ongoing
 - [Department of Transportation \(DOT\)](#) Ongoing
 - [Environmental Protection Agency \(EPA\)](#) Ongoing
 - [National Aeronautics and Space Administration \(NASA\)](#) Ongoing
 - [National Science Foundation \(NSF\)](#) Ongoing
 - [U.S. Department of Agriculture \(USDA\)](#) Ongoing
 - [Agricultural Marketing Service \(AMS\)](#) Ongoing
 - [Biorefinery, Renewable Chemical, and Biobased Product Manufacturing Assistance Program](#) Ongoing
 - [Farm Service Agency \(FSA\)](#) Ongoing
 - [Food Waste Reduction](#) Ongoing
 - [Forest Service](#) Ongoing
 - [National Institute of Food and Agriculture \(NIFA\)](#) Ongoing
 - [Rural Utilities Services \(RUS\)](#) Ongoing

Map of Research-themed Projects



Expectations

For faculty members

- For one faculty member, serving as chair to the team and preside over the meetings
- Guiding the discussions during meetings
- Delegating follow-up steps as needed
- Connecting campus efforts to the larger global knowledge base
- Ensuring faculty leadership in support of campus sustainability goals.

Expectations

For staff members

- Providing your experience and knowledge campus procedures
- Providing the team with an understanding of the processes and policies that could impact implementation of recommendations
- Sharing personal knowledge and experience as a professional in a relevant field.

Expectations

For student members:

- Channeling the voice of the student body
- Speaking on behalf of the student population as a whole

Expectations

- Complete the annual evaluation of campus progress in meeting existing iCAP objectives for your topic
- Develop formal recommendations about specific actions or initiatives that the campus should take to help meet iCAP objectives
- Recommend information-gathering or feasibility studies to evaluate or enable iCAP objectives, and help identify teams to undertake or guide those studies

Our Goals

- **Campus as living lab for sustainability research and education**
- **Campus as sustainability example for communities**
- **Campus as home for bringing up next generation of professionals for sustainable development**

**Thank you for your contribution to
campus sustainability!**