

**Ball State University  
Unit-Level Sustainability Planning**

A Sustainability Plan  
for the  
Department of Family and Consumer Sciences

Submitted to  
Dr. Terry King  
Provost and Vice-President for Academic Affairs

31 January, 2008

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## Achievements to Date

The following are our short-form question responses within the categories of Governance and Administration, Operations, Curriculum and Research, and Community Service and Outreach. In developing these short-form responses, we are pleased to report significant achievements in these areas and have identified opportunities for further development/transformation.

### GOVERNANCE AND ADMINISTRATION

**Y N Goal**

1. The unit has standing committees to address issues of sustainability.

- ✓ Committee established November 2007.
- ✓ Committee Members: Janet Fick, Gerri Airriess, Robin Box, Nancy Thompson, Carol Friesen, and Alice Spangler,

#### **GA GOAL-1:**

*Committee will establish provisions for addition of students to the committee membership.*

**Y N Goal**

2. The unit gives assigned load and/or a staff position dedicated to sustainability initiatives.

**Y N Goal**

3. The unit has established policies that encourage sustainability initiatives.

- ✓ Each faculty member is limited in the number of copies they can make each semester
- ✓ Reams of paper are distributed through office staff who monitor individual usage
- ✓ The department recycles batteries, paper, and printer cartridges
- ✓ The department purchases recyclable paper products
- ✓ The department encourages faculty to place all handouts on Blackboard for the students to print off or use electronically
- ✓ The department encourages appropriate use of InQsit or other electronic testing mechanisms to reduce paper usage

**Y N Goal**

4. The unit has sustainability integrated into its mission statement.

**Current Mission Statement:** The Mission of the Department of Family and Consumer Sciences is to prepare students who will be uniquely qualified for and committed to **improving the quality of life** for individuals, families, and their communities. Further, the mission is to empower individuals and families across the life span to manage the challenges of living and working in a diverse, global society. These goals are accomplished through the integration and application of knowledge, skills, attitudes, and behaviors from family and consumer sciences as well as a variety of other disciplines.

**GA GOAL-2:**

*Re-examine the departmental mission statement to consider the inclusion of the concept of sustainability. Possible change: "Further, the mission is to empower individuals and families across the life span to manage the challenges of living and working in a diverse, **sustainable**, global society."*

**Y N Goal**

- 5.** The unit maintains active membership in organizations engaged in promoting sustainability.
- ✓ The unit maintains membership in the American Association of Family and Consumer Sciences (AAFCS) that does promote sustainability.
  - ✓ Each unit in the University, by default, maintains membership in the United States Green Building Council (USGBC)

**Y N Goal**

- 6.** The unit encourages and rewards research related to sustainability.
- ✓ Departmental Promotion and Tenure Document rewards research
  - ✓ Departmental Salary Document rewards research

**GA GOAL-3:**

*Faculty and staff committee will explore internal and external awards recognizing sustainability and encourage/support nominations for faculty for these awards.*

**Y N Goal**

- 7.** The unit encourages and rewards the integration of sustainability issues into course material.
- ✓ Departmental Promotion and Tenure Document rewards major course revisions
  - ✓ Departmental Salary Document rewards major course revisions
  - ✓ In 2004, the department had seven courses that addressed sustainability issues; by fall 2007 this had increased to 27 courses (See Curriculum).

**GA GOAL-4:**

*Increase the number of departmental offerings that integrate sustainability concepts into current course materials (e.g., a lecture, a unit, an assignment) by 10% from baseline (collect via survey fall 2007) to 2012.*

**GA GOAL-5:**

*By May 2009, the appropriate department committees (e.g., P&T, salary) will actively identify means of rewarding faculty through nominations for awards (internal and external) and other forms of recognition for accomplishments related to sustainability (e.g., research, presentations, course content, etc).*

**OPERATIONS****Y N Goal**   1. The unit purchases/uses Energy Star Office and Telecommunications Equipment.

Not applicable at the unit level – we use what the University purchases; please ensure University policies ensure the purchase of Energy Star equipment.

*Note: The University should consider expanding this goal to include the purchase of Energy Star Appliances (e.g., FCS purchases stoves, refrigerators, washer/dryers, all of which are Energy Star compliant).*

**Y N Goal**   2. The unit has policies to restrict paper use.

Yes - At present, all paper is locked and a request is made when more is needed. This allows for documentation of paper usage.

***O-GOAL-1:***

*By fall semester 2008, the unit's Faculty Advisory Committee will review the departmental paper policy to ensure reduced paper waste occurs without placing an undue burden on faculty, limiting faculty productivity, or reducing quality of classroom effectiveness.*

**Y N Goal**   3. The unit uses recycled paper.

✓ The unit currently purchases recycled paper for copying paper and all letterhead.

**Y N Goal**   4. The unit recycles all materials accepted by the university system.

- ✓ The department administration and departmental policies encourage recycling.
- ✓ Not all faculty understand what materials are accepted or where they go.
- ✓ Education is needed to help faculty/staff identify recyclable materials and where they should be placed.

***O-GOAL 2:***

*By fall semester 2008, the unit's Sustainability Committee will develop an electronic "Recyclable Materials Primer" which clearly identifies what materials are recyclable and where they are to be placed.*

**O-GOAL 3:**

*By the end of each fall semester between 2008 and 2012, the unit's Sustainability Committee will revise and update the electronic "Recyclable Materials Primer" as needed to keep in step with any revisions to the University's recycling options.*

**O-GOAL 4:**

*During fall semester 2008, the unit's Sustainability Committee will conduct a training to ensure faculty and staff know how to access the electronic "Recyclable Materials Primer" and use the information to recycle appropriate materials.*

**Y N Goal**

5. The unit has appropriate recycling bins throughout its offices.

- ✓ Currently all faculty offices have clear bags and black bags; but faculty have indicated they do not know the difference between them. The workroom does have trashcans clearly marked to differentiate recyclables from trash. A survey of the faculty will be conducted to determine the need for education; if the need is present, education will be conducted (see Operations #3; Goals 3 and 4 above)

**O-GOAL 5:**

*Beginning in the fall of 2008 through the fall of 2010, the unit's Sustainability Committee will conduct an annual training to ensure faculty and staff (especially new faculty/staff) know how to access the electronic "Recyclable Materials Primer" and use the information to recycle appropriate materials.*

**Y N Goal**

6. The unit has policies that encourage the use of teleconferencing capabilities to limit travel.

- ✓ Although the dept does not have a policy in place, several faculty have taken advantage of using video conferencing for meetings and to provide students access to networking with individuals off campus

**O-GOAL 6:**

*By fall semester 2008, the unit's Sustainability Committee will write a sustainability policy and procedure manual. The manual will encourage faculty to use teleconferencing to limit travel; procedures to explain step by step where and how faculty can access and conduct a teleconference within our unit and in other locations across campus will be included.*

**Y N Goal**

7. The unit specifies hybrid electric vehicles for travel.

**O-GOAL 7:**

*By fall semester 2008, the unit's Sustainability Committee will request the CAST travel request form be revised to include a check box so faculty can specifically request a hybrid vehicle.*

**Y N Goal**

**8.** The unit shows preference for sustainable lodging for professional travel.

See *Indianapolis Star* article, Sunday November 11, 2007. According to this article, most 'sustainable lodging' is not truly sustainable; the actions taken by most sustainable lodging sites are economically-driven, not sustainability-based. However, we encourage the university to pursue collecting a list of sustainable lodging sites that could be recommended to faculty so that faculty who prefer to use sustainable lodging if it truly were available would know where to stay.

**Y N Goal**

**9.** The unit uses washable dinner/service ware for its meetings/receptions.

- ✓ The Department uses washable dinner/service ware as often as feasible:
  - a. Allegre restaurant uses china/silver.
  - b. Child study center uses washable dinnerware and service ware
  - c. During Friday "treat day," all faculty bring their own coffee cups; no Styrofoam cups are used.

**O-GOAL 8:**

*By fall semester 2008, the unit's Sustainability Committee will develop a sustainability policy and procedure manual that will be placed on the department's BlackBoard site in an electronic format. In the manual, faculty and staff will be encouraged to use washable dinner/service ware for its meetings/receptions.*

**Y N Goal**

**10.** The unit purchases/uses remanufactured office furniture.

- ✓ Furniture decisions are made by Purchasing, not by the department
- ✓ The unit, in particular the Child Study Center, DOES utilize "Excess" to find pieces of equipment that can be salvaged and refurbished (e.g., desks, filing cabinets, desk chairs).

**Y N Goal**

**11.** The unit purchases/uses sustainable materials for office furnishings.

- ✓ Not Applicable at the unit level; furniture decisions are made by Purchasing, not by the department

**Y N Goal**

**12.** The unit discourages the use of single-occupant automobile travel.

**O-GOAL 9:**

*By fall semester 2008, the unit's Sustainability Committee will write a sustainability policy and procedure manual. In the manual, faculty and staff will be encouraged to use multiple-occupancy in vehicles for university business.*

**Y N Goal**

**13.** Classroom, Office and/or Restroom lighting for the unit is controlled by occupancy sensors.

- ✓ Not applicable at the unit level.
- ✓ The unit will request occupancy sensors in any proposed buildings/building renovations

**Y N Goal**

**14.** The unit's thermostats are set to minimize energy use for heating and cooling.

- ✓ Not applicable at the unit level.
- ✓ The unit will request programmable thermostats in any proposed buildings/building revisions.
- ✓ Current conditions in the Applied Technology Building are extremely energy inefficient. Faculty and staff must resort to space heaters and fans to attain some level of personal comfort.

## **CURRICULUM**

**Y N Goal**

**1.** The unit has courses dedicated to issues related to sustainability.

- ✓ FCS 496 Seminar: Sustainable Interiors has been offered in the summers of 2004, 2005, and 2006. It will also be offered in the spring of 2008. It is being proposed as a permanent addition to the curriculum by Janet Fick. The course is based on LEED-CI.
- ✓ FCSMR 340 and FCSMR 350 discuss sustainability throughout the course.

### ***C-GOAL 1:***

*By spring semester 2012, the unit will offer at least one course per year dedicated to issues related to sustainability, expanding beyond Interior Design.*

**Y N Goal**

**2.** The unit has courses with sustainability content.

- ✓ In 2004, the department had seven courses containing sustainability content; this number increased to 27 courses by the fall of 2007.
- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• FCS 103</li> <li>• FCS 403</li> <li>• FCSFN 110</li> </ul> | <ul style="list-style-type: none"> <li>• Two-week (6 hour) unit on sustainability as a critical issue that impacts all areas of FCS; includes pre- and post-test.</li> <li>• Presentation dealing with environment and sustainability, as part of trends and issues in FCS; one of the 10 issues presented for students to consider for research papers and several do!</li> <li>• Advantages of purchasing seasonal, local produce; recycling refuse from the kitchen; aqua farming and wild fish and seafood; CAFO's and raising animals for human consumption; international communities and energy conservation relating to</li> </ul> |
|---|--|



- FCSFC 202
  - FCSFC 340
  - FCSFC 450
  - FCSFN 220
  - FCSFN 247
  - FCSFN 250
  - FCSFN 300
  - FCSFN 340
  - FCSFN 430
  - FCSFN 475
  - FCSFN 476
  - FCSMR 104
  - FCSMR 115
  - FCSMR 123
  - FCSMR 214:
  - FCSMR 222
  - FCSMR 230
  - FCSMR 310
  - FCSMR 314
  - FCSMR 340
  - FCSMR 350
  - FCSMR 345
  - FCSMR 388
  - FCSMR 390
  - FCSMR 435
  - ITDPT 213
- food production and purchasing; discuss and practice recycling during labs; talk about locally grown food.
  - Sustainability topics discussed in this Wellness course
  - Sustainability topics discussed in this Life and Work Management course
  - Sustainability topics discussed in Consumer Education course
  - Defining and purchasing organic foods; recycling refuse from the kitchen; CAFOs and raising animals for human consumption; international communities and energy conservation relating to food production and purchasing.
  - Lecture discussing recycling in a foodservice setting
  - Activity: Lecture covering energy efficiency methods utilized by the hotel industry.
  - Lecture covering the cost savings of energy efficiency.
  - Organic Foods;
  - Organic Foods; Environmental considerations in agriculture and related laws
  - Recycle of food containers and other recyclable materials
  - Planning events and meetings with an eye to environmental impact.
  - Lecture discussing environmental hazards such as lead, formaldehyde, asbestos, radon, etc; sustainability in housing
  - Finishes 2. Sustainability is discussed throughout the course.
  - Lighting lecture covering energy conservation and use of LEDS and florescent rather than incandescent lighting.
  - Finishes 2 incorporates several lectures dealing with selection of sustainable materials.
  - Lighting lecture covering energy conservation and use of LEDS and florescent rather than incandescent lighting.
  - Weekly Lecture includes: Environmental Impact of textile fibers on workers, land, air quality, production of textiles impact on the environment.
  - Environmental impact of light and noise on consumers
  - Activity: Lecture/Studio discussing lighting design in the context of energy, environment and sustainability.
  - Discusses sustainability throughout course.
  - Residential Energy Equipment and Technology; Energy Sources, Audit and Savings
  - Related to store design and VM themes.
  - Sustainability in Apparel manufacture
  - Programming. Discusses sustainability briefly and require the students to shown sensitivity to environmental concerns in their final program document.
  - Sustainability is one of the issues discussed in the class.
  - Lecture and activity on sustainability are included in course.

**C-GOAL 2:**

*During December 2007, the unit's Sustainability Committee will conduct a survey to identify how many and which departmental courses include sustainability content.*

**C-GOAL 3:**

*By spring semester 2012, the unit will increase the number of courses that include sustainability content by 10 percent over baseline levels identified in the December 2007 survey.*

**Y N Goal**

**3.** The unit has courses in which students are encouraged to address sustainability issues in their assignments.

- ✓ Several Interior Design and general FCS classes include assignments focusing on sustainability issues.
- ✓ Seven courses included the concept of sustainability in at least one assignment during the 2004 academic year.
- ✓ Immersive learning experiences involving sustainability are included in FCSFC 490, Assistant Teacher Practicum. Issues addressed relate to recycling at the Child Study Center, i.e. using items for arts and curriculum~ repeated use of disposable plastic dishes (from microwave meals) for paint, empty paper towel cardboard rolls, empty shoeboxes for storage containers or art projects, empty film cartridge, requesting donations from families for items such as unwanted baskets, preemie clothes for dolls, baby blankets, old cameras, old appliances for take-apart projects, etc
- ✓ FCSFC 490 Administrative Practicum~ Teaching conservative use of ink cartridges, using recycled paper, using scrap paper, recycling old cellular phones, recycling ink and laser ink printer cartridges, etc.; Selecting for purchase Energy Star appliances.
- ✓ FCSMR 314 includes the annotation of actual design site including computing how much energy is wasted on a daily basis through the analysis of lighting design and distribution.
- ✓ In FCSFC 350, students do energy audits, field trips to find energy star appliances, and stress recycling. During a KitchenAid field trip included in FCSFC 350, participating students see how the manufacturing plant recycles their water used in production of the mixers.
- ✓ In FCSFN 400 title, students recycle/reuse unused food from Allegre (FCSFN 400) kitchen for the Harvest Soup Kitchen. Students accompany Chef Altman to the soup kitchen to make use of the products.
- ✓ In the spring of 2008, immersive learning experiences will be offered in FCS 403 that will address issues of sustainability; an Indiana Campus Compact grant has been received which will support the project.

**C-GOAL 4:**

*During December 2007, the unit's Sustainability Committee will conduct a survey to identify which departmental courses encourage students to address sustainability issues in their assignments.*

**C-GOAL 5**

*By spring semester 2012, the unit will increase the number of courses that include assignments that focus on sustainability issues by 10 percent over baseline levels identified in the December 2007 survey.*

**Y N Goal**

4. The unit recognizes sustainability courses from other departments as legitimate electives for credit in its programs.

✓ Students are *encouraged* to take Dr. John Vann's sustainability seminar.

**Y N Goal**

5. The unit has dedicated sustainability courses that can be taken for credit as part of a major or minor outside of the unit.

✓ Architecture students receive credit for the FCS 496 Seminar: Sustainable Interiors.

**RESEARCH**

**Y N Goal**

1. Members of the unit have conducted research on issues of sustainability in their discipline.

- ✓ Drs. Nancy Thompson and Carol Friesen have conducted surveys (pre-/post evaluation) of student's knowledge of sustainable practices.
- ✓ Dr. Friesen and an undergraduate Honor's Student have examined attitudes and behaviors related to organic foods.
- ✓ Dr. Lazo-Flores is currently examining the concept of "sustain-gevity" (sustainable materials for the longevity of usage) in furniture design.
- ✓ Drs. Friesen, Altman, and Spangler have analyzed the local food supply for the Second Harvest Soup Kitchen
- ✓ Dr. Alice Spangler has analyzed the energy efficiency of various cooking methods
- ✓ Mr Dale Potts has developed a Creative Project focused on sustainable materials and incorporation of natural light.
- ✓ Presentations given in the past (indicating long-term interest in sustainability):
  - Energy Utilization in School Food Service. BSU School Food Service Management Workshop II. 1982.
  - U.S. Department of Energy Project Directors' Meeting. Panel Discussion - How to Conduct an Effective Energy Workshop. Washington, D.C., 1982.
  - Outlook Trends in Food and Energy. Michigan Cooperative Extension In-Service Workshop on Impacting Lifestyles. 1977.
  - New Trends in Meal Management. 14th Conference of North Central Region College and University Teachers in Foods and Nutrition. Ames, Iowa. 1976.

**R-GOAL 1**

*During December 2007, the unit's Sustainability Committee will conduct a survey to identify how many faculty have conducted research that addresses sustainability issues.*

**R-GOAL 2:**

*By spring semester 2012, the unit will increase the number of faculty who have conducted research that addresses sustainability issues by 5 percent over baseline levels identified in the December 2007 survey.*

**Y N Goal**

**2.** Members of the unit have published on issues of sustainability in their discipline.

- ✓ In 2004, Drs. John Vann, Carol Friesen, and Mr. Reza Ahmadi published an article "Energy conservation tips for individuals and families" in *The Forum for Family and Consumer Issues*. 9(2):ISSN 1540 5273, [http://www.ces.ncsu.edu/depts/fcs/pub/9\\_2/encon.html](http://www.ces.ncsu.edu/depts/fcs/pub/9_2/encon.html).
- ✓ Dr. Lazo-Flores wrote "Collective Dwelling" in 1998 in a Japanese text.
- ✓ Dr. Alice Spangler wrote "Energy Utilization" chapter in *Food Consumerism: A Laboratory Manual for Meal Management*, Macmillan, New York, 1978.
- ✓ Dr. Carla Earhart co-authored a chapter "Housing in the context of community development" for the textbook *Introduction to Housing*. There is some content on sustainability issues, such as the need for increased green space and fewer roads in designing neighborhoods.

**R-GOAL 3:**

*During December 2007, the Sustainability Committee conduct a survey to identify how many faculty have published on issues of sustainability in their discipline.*

**R-GOAL 4:**

*By spring semester 2012, the unit will increase the number of faculty who have how have published on issues of sustainability in their discipline by 5 percent over baseline levels identified in the December 2007 survey.*

**Y N Goal**

**3.** Members of the unit attend conferences that address issues of sustainability.

- ✓ Neocon
- ✓ AAFCS (American Association of Family and Consumer Sciences)
- ✓ Common Ground Conference (2002, September) London, UK
- ✓ Upcycle Exhibition (2007 January) Savannah, GA
- ✓ Green for Green workshops, BSU, 2004
- ✓ Housing Education and Research Association (HERA) conference, October 2005 (only part of the conference focused on sustainability issues).
- ✓ 41st Annual Conference of the Housing Education and Research Association, Charlotte, NC Oct 23-26, 2007.

**R-GOAL 5:**

*During December 2007, the unit's Sustainability Committee will conduct a survey to identify how many faculty attend conferences that address issues of sustainability.*

**R-GOAL 6:**

*By spring semester 2012, the unit will increase the number of faculty who attend conferences that address issues of sustainability by 5 percent over baseline levels identified in the December 2007 survey.*

**Y N Goal**

**4.** Members of the unit belong to associations dedicated to sustainability issues.

- ✓ American Association of Family and Consumer Sciences (AAFCS)
- ✓ United States Green Building Council (USGBC)
- ✓ Japanese Society for the Science of Design
- ✓ Furniture Society
- ✓ American Dietetics Association (ADA)

**Y N Goal**

**5.** The unit has hosted workshops on issues of sustainability.

- In 1980 and 1982, Dr. Alice Spangler hosted a 2 week workshop, Energy Education Workshop for Home Economics and Industrial Arts Teachers, funded through U.S. Department of Energy Grant. Co-directed with J. Kirkwood, 1980 and 1982. This demonstrates our department's long-term commitment to sustainability issues.

**R-GOAL 7:**

*By spring 2009, the unit will host at least one workshop on issues of sustainability for Indiana Family and Consumer Sciences middle school and high school teachers.*

**Y N Goal**

**6.** The unit has hosted conferences on issues of sustainability.

- ✓ Interior Design hosted a conference with 250 participants through (ASID and IIDA) where the keynote speaker was Dan Binford, LEED-AP, who discussed the importance of achieving LEED accreditations.
- ✓ The unit is sponsoring a presentation at the state Indiana Association of Family and Consumer Sciences Teacher Education meeting in April 2008 where over 500 high school FCS teachers will learn about sustainability of the environment (Dr. John Vann will be the guest speaker).

**R-GOAL 8:**

*By spring 2009, the unit will host at least one conference on issues of sustainability in the discipline.*

## **Community Service and Outreach**

**Y** **N** **Goal**  
   **1.** The unit engages in public and/or outreach activities that address issues of sustainability.

- ✓ Poster presentation at state and national meetings.
- ✓ Conference offerings
- ✓ Unit works with Second Harvest and Indiana Campus Compact
- ✓ Unit requires 20 hours of service learning in introductory course; some of the service is completed at the Attic Window (second hand clothing store), with food shelter's and soup kitchens (used second-hand food donations), etc.

### **CS-GOAL 1:**

*During December 2007, the unit's Sustainability Committee will conduct a survey to identify how many faculty engage in public and/or outreach activities that address issues of sustainability.*

### **CS-GOAL 2:**

*By spring semester 2012, the unit will increase the number of faculty who engage in public and/or outreach activities that address issues of sustainability by 5 percent over baseline levels identified in the fall 2007 survey.*

**Y** **N** **Goal**  
   **2.** The unit is in partnership with others in the community in the pursuit of sustainability.

- ✓ Unit works with Second Harvest and Indiana Campus Compact
- ✓ Unit requires 20 hours of service learning in introductory course; some of the service is completed at the Attic Window (second hand clothing store), with food shelter's and soup kitchens (used second-hand food donations), etc.
- ✓ Japanese Society for the Science of Design
- ✓ Furniture Society
- ✓ Student Dietetics Association provides financial support of a global nutrition initiative.

### **CS-GOAL 3:**

*During December 2007, the unit's Sustainability Committee will conduct a survey to identify how many community partners faculty work with in the pursuit of sustainability.*

### **CS-GOAL 4:**

*By spring semester 2012, the unit will increase the number community partners faculty work with in the pursuit of sustainability by 5 percent over baseline levels identified in the December 2007 survey.*

**Y N Goal**

**3.** The unit participates in community events that address issues of sustainability.

- ✓ Greening of Campus
- ✓ Three unit faculty members have received sustainability awards from COTE

**Y N Goal**

**4.** The unit has initiated community endeavors in pursuit of sustainability.

- ✓ The Child Study Center collects old cellular phones and recycles them through a program called Funding Factory
- ✓ The Child Study Center collects printer ink cartridges and recycles them through a program called Funding Factory
- ✓ The Child Study Center requests donations on consumable and non-consumable recyclables for use in the curriculum in the early childhood classroom (e.g., empty cardboard paper towel rolls, baskets)
- ✓ Harvest Soup Kitchen - cook lunch on Fridays using much of the un-served food from FCSFN 400 lab
- ✓ Various Departmental Student Organizations have collected 'lightly used' clothing that was donated to charity.
- ✓ The departmental Fashion Merchandising Association annually conducts "Cinderella's Closet" where gently used formals are collected and resold at a tremendous discount (e.g. \$10) for needy high school students.
- ✓ In April, 2008 FCS teachers' conference will be addressing the issue of sustainability as a result of Dr. Nancy Thompson's suggestions and leadership in securing a presentation for the general session of the conference. (500 teachers in attendance, each with 100 students per semester = 50,000 people reached with information about sustainability.)

## Existing conditions as baseline (data as available)

In preparing our short-form responses to the questions in the previous section, we accumulated the following data sets. These comprise the numerical underpinnings specific to our Department.

### A List of Academic Offerings

#### Topical Sustainability Lectures

- FCS 403
- FCSFN 110
- FCSFC 202
- FCSFC 340
- FCSFC 450
- FCSFN 220
- FCSFN 247
- FCSFN 250
- FCSFN 300
- FCSFN 340
- FCSFN 430
- FCSFN 475
- FCSFN 476
- FCSMR 104
- Presentation dealing with environment and sustainability, as part of trends and issues in FCS; one of the 10 issues presented for students to consider for research papers and several do!
- Advantages of purchasing seasonal, local produce; recycling refuse from the kitchen; aqua farming and wild fish and seafood; CAFO's and raising animals for human consumption; international communities and energy conservation relating to food production and purchasing; discuss and practice recycling during labs; talk about locally grown food.
- Wellness
- Life and Work Management
- Consumer Education
- Defining and purchasing organic foods; recycling refuse from the kitchen; CAFOs and raising animals for human consumption; international communities and energy conservation relating to food production and purchasing.
- Lecture discussing recycling in a foodservice setting
- Activity: Lecture covering energy efficiency methods utilized by the hotel industry.
- Activity: Lecture covering the cost savings of energy efficiency.
- Organic Foods;
- Organic Foods; Environmental considerations in agriculture and related laws
- Recycle of food containers and other recyclable materials
- Planning events and meetings with an eye to environmental impact.
- Lecture discussing environmental hazards such as lead, formaldehyde, asbestos, radon, etc; lecture on sustainability in housing



- FCSMR 115: • Finishes 2 incorporates several lectures dealing with selection of sustainable materials.
- FCSMR 123 • Lighting lecture covering energy conservation and use of LEEDS and florescent rather than incandescent lighting.
- FCSMR 222 • Lighting lecture covering energy conservation and use of LEEDS and florescent rather than incandescent lighting.
- FCSMR 230 • Weekly Lecture includes: Environmental Impact of textile fibers on workers, land, air quality, production of textiles impact on the environment.
- FCSMR 310 • Environmental impact of light and noise on consumers
- FCSMR 314 • Activity: Lecture/Studio discussing lighting design in the context of energy, environment, and sustainability.
- FCSMR 345 • Related to store design and VM themes.
- FCSMR 388 • Sustainability in Apparel manufacture
- FCSMR 390 • Programming. Discusses sustainability briefly and require the students to shown sensitivity to environmental concerns in their final program document.
- FCSMR 435 • Sustainability is one of the issues discussed in the class.
- ITDPT 213 • Lecture and activity on sustainability are included.

### Topical Sustainability Modules

- FCS 103 • Activity: two-week (6 hour) unit on sustainability as a critical issue that impacts all areas of FCS; includes pre- and post-test.
- FCSMR 340 • Discusses sustainability throughout course.
- FCSMR 350 • Residential Energy Equipment and Technology; Energy Sources, Audit and Savings
- FCSMR 340 • Discusses sustainability throughout the course.
- FCSMR 350 • Discusses sustainability throughout the course.

### Sustainability Courses

- ✓ FCS 496 Seminar: Sustainable Interiors has been offered in the summers of 2004, 2005, and 2006. It will also be offered in the spring of 2008. It is being proposed as a permanent addition to the curriculum by Janet Fick. The course is based on LEED-CI.

### Sustainability Programs

NA

### Sustainability Concentrations

NA

### Sustainability Degree Offerings

NA

### Sustainability Immersive On-and Off-Campus Experiences

- ✓ Several Interior Design and general FCS classes include assignments focusing on sustainability issues.
- ✓ Seven courses included the concept of sustainability in at least one assignment during the 2004 academic year.
- ✓ Immersive learning experiences involving sustainability are included in FCSFC 490, Assistant Teacher Practicum. Issues addressed relate to recycling at the Child Study Center, i.e. using items for arts and curriculum~ repeated use of disposable plastic dishes (from microwave meals) for paint, empty paper towel cardboard rolls, empty shoeboxes for storage containers or art projects, empty film cartridge, requesting donations from families for items such as unwanted baskets, preemie clothes for dolls, baby blankets, old cameras, old appliances for take-apart projects, etc
- ✓ FCSFC 490 Administrative Practicum~ Teaching conservative use of ink cartridges, using recycled paper, using scrap paper, recycling old cellular phones, recycling ink and laser ink printer cartridges, etc.; Selecting for purchase Energy Star appliances.
- ✓ FCSMR 314 includes the annotation of actual design site including computing how much energy is wasted on a daily basis through the analysis of lighting design and distribution.
- ✓ In FCSFC 350, students do energy audits, field trips to find energy star appliances, and stress recycling. On the KitchenAid field trip in FCSFC 350, students see how the manufacturing plant recycles their water used in production of the mixers.
- ✓ In FCSFN 400, students recycle/reuse leftover from the Allegre (FCSFN 400) kitchen for the Harvest Soup Kitchen. Students accompany Chef Altman to the soup kitchen to make use of the products.
- ✓ In the spring of 2008, immersive learning experiences will be offered in FCS 403 that will address issues of sustainability; an Indiana Campus Compact grant has been received which will support the project

## **Existing conditions as baseline (data as available)**

### **A List of Faculty, Staff and Student Activities**

#### **Professional Academic Organizations**

- ✓ American Association of Family and Consumer Sciences (AAFCS)
- ✓ United States Green Building Council (USGBC)
- ✓ Japanese Society for the Science of Design
- ✓ Furniture Society
- ✓ American Dietetics Association (ADA)

#### **Professional Staff Organizations**

- ✓ Department Sustainability Committee
- ✓ Department Curriculum Committee

#### **Student Associations and Clubs**

- ✓ Student Dietetic Association (SDA)
- ✓ American Society for Interior Design, Student Section (ASID)
- ✓ National Association of Education for Young Children (NAEYC)
- ✓ Fashion Merchandising Association (FMA)

#### **Hybrid Fleet Vehicle Use**

- ✓ Please reconfigure the car request form so hybrid vehicles can be requested.
- ✓ Current data: 15% sometimes use, 85% never use (December 2007)

#### **Hybrid Electric Shuttle Bus Use**

- ✓ NA

#### **Bicycling**

- ✓ Current data: 12% sometimes use, 88% never use (December 2007)

#### **Carpooling**

- ✓ Current data: 4% mostly, 19% sometimes, 77% never (December 2007)

**MITs Bio-Diesel Bus Use**

- ✓ Current data: 4% sometimes, 96% never (December 2007)

**Conference Travel; Carbon Offset Purchases (and others...)**

- ✓ NA

## **Existing conditions as baseline (data as available)**

### **List of Operational Commitments in the Building(s) Occupied by FCS**

#### **Building Use: Lamps, Occupancy Sensors, Waterless Urinals**

- ✓ Outside our scope; will request items when new building is designed

#### **Material Use/Recycling: Paper, Water, Cartridges, Cans, Glass, Wet Garbage**

- ✓ Each faculty member is limited in the number of copies they can make each semester
- ✓ Reams of paper are distributed through office staff who monitor individual usage
- ✓ The department recycles batteries, paper, and printer cartridges
- ✓ The department purchases recyclable paper products
- ✓ The department encourages faculty to place all handouts on Blackboard for the students to print off or use electronically
- ✓ The department encourages appropriate use of InQsit or other electronic testing mechanisms to reduce paper usage

#### **Food Use/Recycling: Local Sourcing, Washable Dinnerware**

- ✓ The Department uses washable dinner/service ware as often as feasible:
  - a. Allegre restaurant uses china/silver.
  - b. Child study center uses washable dinnerware and service ware
  - c. During Friday “treat day,” all faculty bring their own coffee cups; no Styrofoam cups are used.
- ✓ Students in FCSFN 400 recycle/reuse un-served food from the Allegre (FCSFN 400) kitchen for the Harvest Soup Kitchen. Students accompany Chef Altman to the soup kitchen to make use of the products
- ✓ Students in FCSFN 400 provide a Harvest Dinner each fall, using local sources for all food, with the proceeds from the dinner used to support a local charity.

## Goals

Given our assessment of where things stand, we have identified the following goals for our unit.

### Governance and Administration (GA)

**GA-1:** *Committee will establish provisions for addition of students to the committee membership.*

**GA-2:** *Re-examine the departmental mission statement to consider the inclusion of the concept of sustainability. Possible change: "Further, the mission is to empower individuals and families across the life span to manage the challenges of living and working in a diverse, **sustainable**, global society."*

**GA-3:** *Faculty and staff committee will explore internal and external awards recognizing sustainability and encourage/support nominations for faculty for these awards.*

**GA-4:** *Increase the number of departmental offerings that integrate sustainability concepts into current course materials (e.g., a lecture, a unit, an assignment) by 10% from baseline (collect via survey Fall 2007) to 2012.*

**GA-5:** *By May 2009, the appropriate department committees (e.g., P&T, salary) will actively identify means of rewarding faculty through nominations for awards (internal and external) and other forms of recognition for accomplishments related to sustainability (e.g., research, presentations, course content, etc*

### Operations

**O-1:** *By fall semester 2008, the unit's Faculty Advisory Committee will review the departmental paper policy to ensure reduced paper waste occurs without placing an undue burden on faculty, limiting faculty productivity, or reducing quality of classroom effectiveness.*

**O-2:** *By fall semester 2008, the unit's Sustainability Committee will develop an electronic "Recyclable Materials Primer" which clearly identifies what materials are recyclable and where they are to be placed.*

**O-3:** *By the end of each fall semester between 2008 and 2012, the unit's Sustainability Committee will revise and update the electronic "Recyclable Materials Primer" as needed to keep in step with any revisions to the University's recycling options.*

**O-4:** *During fall semester 2008, the unit's Sustainability Committee will conduct a training to ensure faculty and staff know how to access the electronic "Recyclable Materials Primer" and use the information to recycle appropriate materials.*

**O-5:** *Beginning in the fall of 2008 through the fall of 2010, the unit's Sustainability Committee will conduct an annual training to ensure faculty and staff (especially new faculty/staff) know how to access the electronic "Recyclable Materials Primer" and use the information to recycle appropriate materials.*

**O-6:** *By fall semester 2008, the unit's Sustainability Committee will write a sustainability policy and procedure manual. The manual will encourage faculty to use teleconferencing to limit travel; procedures to explain step by step where and how faculty can access and conduct a teleconference within our unit and in other locations across campus will be included.*

**O-7:**

*By fall semester 2008, the unit's Sustainability Committee will request the CAST travel request form be revised to include a check box so faculty can specifically request a hybrid vehicle.*

**O-8:**

*By fall semester 2008, the unit's Sustainability Committee will write a sustainability policy and procedure manual. Included in the manual will be a policy to encourage the use of washable dinner/service ware for its meetings/receptions.*

**O-9:**

*By fall semester 2008, the unit's Sustainability Committee will write a sustainability policy and procedure manual. Included in the manual will be a policy to encourage the use of multiple-occupancy in vehicles for university business.*

## Curriculum

**C-1:** *By spring semester 2012, the unit will offer at least one course per year dedicated to issues related to sustainability, expanding beyond Interior Design.*

**C-2:** *During December 2007, the unit's Sustainability Committee will conduct a survey to identify how many and which departmental courses include sustainability content.*

**C-3:** *By spring semester 2012, the unit will increase the number of courses that include sustainability content by 10 percent over baseline levels identified in the fall 2007 survey.*

**C-4:** *During December 2007, the unit's Sustainability Committee will conduct a survey to identify which departmental courses encourage students to address sustainability issues in their assignments.*

**C-5:** *By spring semester 2012, the unit will increase the number of courses that include assignments that focus on sustainability issues by 10 percent over baseline levels identified in the fall 2007 survey.*

## Research

**R-1:** *During December 2007, the unit's Sustainability Committee will conduct a survey to identify how many faculty have conducted research that addresses sustainability issues.*

**R-2:** *By spring semester 2012, the unit will increase the number of faculty who have conducted research that addresses sustainability issues by 5 percent over baseline levels identified in the fall 2007 survey.*

**R-3:** *During December 2007, the Sustainability Committee conduct a survey to identify how many faculty have published on issues of sustainability in their discipline.*

**R-4:** *By spring semester 2012, the unit will increase the number of faculty who have published on issues of sustainability in their discipline by 5 percent over baseline levels identified in the fall 2007 survey.*

**R-5:** *During December 2007, the unit's Sustainability Committee will conduct a survey to identify how many faculty attend conferences that address issues of sustainability.*

**R-6:** *By spring semester 2012, the unit will increase the number of faculty who attend conferences that address issues of sustainability by 5 percent over baseline levels identified in the fall 2007 survey.*

**R-7:** *By spring 2009, the unit will host at least one workshop on issues of sustainability for Indiana Family and Consumer Sciences middle school and high school teachers.*

**R-8:** *By spring 2010, the unit will host at least one conference on issues of sustainability in the discipline.*

## Community Service and Outreach

**CS-1:** *During December 2007, the unit's Sustainability Committee will conduct a survey to identify how many faculties engage in public and/or outreach activities that address issues of sustainability.*

**CS-2:** *By spring semester 2012, the unit will increase the number of faculty who engage in public and/or outreach activities that address issues of sustainability by 5 percent over baseline levels identified in the fall 2007 survey.*

**CS-3:** *During December 2007, the unit's Sustainability Committee will conduct a survey to identify how many community partners faculty work with in the pursuit of sustainability.*

**CS-4:** *By spring semester 2012, the unit will increase the number community partners faculty work with in the pursuit of sustainability by 5 percent over baseline levels identified in the fall 2007 survey.*



## Implementation

We have aligned specific action items with the 5-year cycling of the Strategic Plan and anticipate being able to move forward in the respective categorical areas, as described below.

2008	
Action Items	Resource Needs
<b>Governance and Administration</b>	
<i>GA-1: Committee will establish provisions for addition of students to the committee membership.</i>	None
<i>GA-2: Re-examine the departmental mission statement to consider the inclusion of the concept of sustainability. Possible change: "Further, the mission is to empower individuals and families across the life span to manage the challenges of living and working in a diverse, sustainable, global society."</i>	None
<i>GA-3: Faculty and staff committee will explore internal and external awards recognizing sustainability and encourage/support nominations for faculty for these awards.</i>	None
<i>GA-4: Increase the number of departmental offerings that integrate sustainability concepts into current course materials (e.g., a lecture, a unit, an assignment) by 10% from baseline (collect via survey fall 2007) to 2012.</i>	Supplies and educational materials (audio-visual, references) (\$1000)
<i>GA-5: By May 2009, the appropriate department committees (e.g., P&amp;T, salary) will actively identify means of rewarding faculty through nominations for awards (internal and external) and other forms of recognition for accomplishments related to sustainability (e.g., research, presentations, course content, etc</i>	
<b>Operations</b>	
<i>O-1: By fall semester 2008, the unit's Faculty Advisory Committee will review the departmental paper policy to ensure reduced paper waste occurs without placing an undue burden on faculty, limiting faculty productivity, or reducing quality of classroom effectiveness.</i>	Summer stipend for three faculty (\$6000)

<b>2008</b>	
<b>Action Items</b>	<b>Resource Needs</b>
<i>O-2: By fall semester 2008, the unit's Sustainability Committee will develop an electronic "Recyclable Materials Primer" which clearly identifies what materials are recyclable and where they are to be placed.</i>	See O-1
<i>O-3: By the end of each fall semester between 2008 and 2012, the unit's Sustainability Committee will revise and update the electronic "Recyclable Materials Primer" as needed to keep in step with any revisions to the University's recycling options.</i>	Summer stipend for one faculty (\$1000/year, 2008-2012)
<i>O-4: During fall semester 2008, a member of the unit's Sustainability Committee will conduct a training to ensure faculty and staff know how to access the electronic "Recyclable Materials Primer" and use the information to recycle appropriate materials.</i>	None
<i>O-5: Beginning in the fall of 2008 through the fall of 2010, the unit's Sustainability Committee will conduct an annual training to ensure faculty and staff (especially new faculty/staff) know how to access the electronic "Recyclable Materials Primer" and use the information to recycle appropriate materials.</i>	See O-3
<i>O-7: By fall semester 2008, the unit's Sustainability Committee will write a sustainability policy and procedure manual. The manual will encourage faculty to use teleconferencing to limit travel; procedures to explain step by step where and how faculty can access and conduct a teleconference within our unit and in other locations across campus will be included.</i>	See O-2
<i>O-8: By fall semester 2008, the unit's Sustainability Committee will request the CAST travel request form be revised to allow faculty to request a hybrid vehicle.</i>	None

<b>2008</b>	
<b>Action Items</b>	<b>Resource Needs</b>
<p><i>O-9: By fall semester 2008, the unit's Sustainability Committee will write a sustainability policy and procedure manual. In the manual, faculty and staff will be encouraged to use washable dinner/service ware for its meetings/receptions.</i></p>	See O-2
<p><i>O 10: By fall semester 2008, the unit's Sustainability Committee will write a sustainability policy and procedure manual. In the manual, faculty and staff will be encouraged to use multiple-occupancy vehicles for university business.</i></p>	See O-2
<b>Curriculum</b>	
<p><i>C-1: By spring semester 2012, the unit will offer at least one course per year dedicated to issues related to sustainability.</i></p>	Supplies and educational materials (audio-visual, references) (\$1000)
<p><i>C-2: During December 2007, the unit's Sustainability Committee will conduct a survey to identify how many and which departmental courses include sustainability content.</i></p>	None
<p><i>C-3: By spring semester 2012, the unit will increase the number of courses that include sustainability content by 10 percent over baseline levels identified in the fall 2007 survey.</i></p>	See C-1
<p><i>C-4: During December 2007, the unit's Sustainability Committee will conduct a survey to identify which departmental courses encourage students to address sustainability issues in their assignments.</i></p>	None
<p><i>C-5: By spring semester 2012, the unit will increase the number of courses that include assignments that focus on sustainability issues by 10 percent over baseline levels identified in the fall 2007 survey.</i></p>	See C-1

2008	
Action Items	Resource Needs
<b>Research</b>	
<i>R-1 During December 2007, the unit's Sustainability Committee will conduct a survey to identify how many faculty have conducted research that addresses sustainability issues.</i>	None
<i>R-2: By spring semester 2012, the unit will increase the number of faculty who have conducted research that addresses sustainability issues by 5 percent over baseline levels identified in the fall 2007 survey.</i>	Access to grant information through OARSP
<i>R-3: During December 2007, the Sustainability Committee will conduct a survey to identify how many faculty have published on issues of sustainability in their discipline.</i>	None
<i>R-4: By spring semester 2012, the unit will increase the number of faculty who have published on issues of sustainability in their discipline by 5 percent over baseline levels identified in the fall 2007 survey.</i>	None
<i>R-5: During December 2007, the unit's Sustainability Committee will conduct a survey to identify how many faculty attend conferences that address issues of sustainability.</i>	None
<i>R-6: By spring semester 2012, the unit will increase the number of faculty who attend conferences that address issues of sustainability by 5 percent over baseline levels identified in the fall 2007 survey.</i>	\$2000 additional travel support

<b>2008</b>	
<b>Action Items</b>	<b>Resource Needs</b>
<p><i>R-7: By spring 2009, the unit will host at least one workshop on issues of sustainability for Indiana Family and Consumer Sciences middle school and high school teachers.</i></p> <p><i>R-8: By spring 2010, the unit will host at least one conference on issues of sustainability in the discipline.</i></p>	
<b>Community Service and Outreach</b>	
<p><i>CS-1: During December 2007, the unit's Sustainability Committee will conduct a survey to identify how many faculties engage in public and/or outreach activities that address issues of sustainability.</i></p>	None
<p><i>CS-2: By spring semester 2012, the unit will increase the number of faculty who engage in public and/or outreach activities that address issues of sustainability by 5 percent over baseline levels identified in the fall 2007 survey.</i></p>	None
<p><i>CS-3: During December 2007, the unit's Sustainability Committee will conduct a survey to identify how many community partners faculty work with in the pursuit of sustainability.</i></p>	None
<p><i>CS-4: By spring semester 2012, the unit will increase the number community partners faculty work with in the pursuit of sustainability by 5 percent over baseline levels identified in the fall 2007 survey.</i></p>	None

<b>2009</b>	
<b>Action Items</b>	<b>Resource Needs</b>
<b>Governance and Administration</b>	
<p><i>GA-3: Faculty and staff committee will explore internal and external awards recognizing sustainability and encourage/support nominations for faculty for these awards.</i></p> <p><i>GA-4: Increase the number of departmental offerings that integrate sustainability concepts into current course materials (e.g., a lecture, a unit, an assignment) by 10% from baseline (collect via survey Fall 2007) to 2012.</i></p>	<p>None</p> <p>Supplies and educational materials (audio-visual, references)</p>
<b>Operations</b>	
<p><i>O-3: By the end of each fall semester between 2008 and 2012, the unit's Sustainability Committee will revise and update the electronic "Recyclable Materials Primer" as needed to keep in step with any revisions to the University's recycling options.</i></p> <p><i>O-5: Beginning in the fall of 2008 through the fall of 2010, the unit's Sustainability Committee will conduct an annual training to ensure faculty and staff (especially new faculty/staff) know how to access the electronic "Recyclable Materials Primer" and use the information to recycle appropriate materials.</i></p>	<p>Summer stipend for one faculty (\$2000/year, 2008-2012)</p> <p>None</p>
<b>Curriculum</b>	
<p><i>C-1: By spring semester 2012, the unit will offer at least one course per year dedicated to issues related to sustainability.</i></p> <p><i>C-3: By spring semester 2012, the unit will increase the number of courses that include sustainability content by 10 percent over baseline levels identified in the fall 2007 survey.</i></p>	<p>Supplies and educational materials (audio-visual, references) (\$1000)</p> <p>See C-1</p>

<b>2009</b>	
<b>Action Items</b>	<b>Resource Needs</b>
<b>Research</b>	
<i>R-2: Encourage faculty to conduct research that addresses sustainability issues.</i>	Access to grant information (OARSP)
<i>R-4: Encourage faculty to publish research that addresses sustainability issues.</i>	None
<i>R-6: Encourage faculty to attend conferences that address issues of sustainability.</i>	\$2000 additional travel support/year
<i>R-7: By spring 2009, the unit will host at least one workshop on issues of sustainability for Indiana Family and Consumer Sciences middle school and high school teachers.</i>	\$2000 to support food and supplies
<b>Community Service and Outreach</b>	
<i>CS-2: Encourage faculty to engage in public and/or outreach activities that address issues of sustainability.</i>	None
<i>CS-4: Encourage faculty to increase the number of community partners in pursuit of sustainability.</i>	None

<b>2010</b>	
<b>Action Items</b>	<b>Resource Needs</b>
<b>Governance and Administration</b>	
<p><i>GA-3: Faculty and staff committee will explore internal and external awards recognizing sustainability and encourage/support nominations for faculty for these awards.</i></p> <p><i>GA-4: Increase the number of departmental offerings that integrate sustainability concepts into current course materials (e.g., a lecture, a unit, an assignment) by 10% from baseline (collect via survey Fall 2007) to 2012.</i></p>	<p>None</p> <p>Supplies and educational materials (audio-visual, references) (\$1000)</p>
<b>Operations</b>	
<p><i>O-3: By the end of each fall semester between 2008 and 2012, the unit's Sustainability Committee will revise and update the electronic "Recyclable Materials Primer" as needed to keep in step with any revisions to the University's recycling options.</i></p> <p><i>O-5: Beginning in the fall of 2008 through the fall of 2010, the unit's Sustainability Committee will conduct an annual training to ensure faculty and staff (especially new faculty/staff) know how to access the electronic "Recyclable Materials Primer" and use the information to recycle appropriate materials.</i></p>	<p>Summer stipend for one faculty (\$2000/year, 2008-2012)</p> <p>None</p>
<b>Curriculum</b>	
<p><i>C-1: By spring semester 2012, the unit will offer at least one course per year dedicated to issues related to sustainability.</i></p> <p><i>C-3: By spring semester 2012, the unit will increase the number of courses that include sustainability content by 10 percent over baseline levels identified in the fall 2007 survey.</i></p>	<p>Supplies and educational materials (audio-visual, references) (See GA-4)</p> <p>See C-1</p>



<b>2010</b>	
<b>Action Items</b>	<b>Resource Needs</b>
<b>Research</b>	
<i>R-2: Encourage faculty to conduct research that addresses sustainability issues.</i>	Access to grant information (OARSP)
<i>R-4: Encourage faculty to publish research that addresses sustainability issues.</i>	None
<i>R-6: Encourage faculty to attend conferences that address issues of sustainability.</i>	\$2000 additional travel support/year
<i>R-8: By spring 2010, the unit will host at least one conference on issues of sustainability in the discipline.</i>	\$2000 to support food and supplies
<b>Community Service and Outreach</b>	
<i>CS-2: Encourage faculty to engage in public and/or outreach activities that address issues of sustainability.</i>	None
<i>CS-4: Encourage faculty to increase the number of community partners in pursuit of sustainability.</i>	None

<b>2011</b>	
<b>Action Items</b>	<b>Resource Needs</b>
<b>Governance and Administration</b>	
<p><i>GA-3: Faculty and staff committee will explore internal and external awards recognizing sustainability and encourage/support nominations for faculty for these awards.</i></p> <p><i>GA-4: Increase the number of departmental offerings that integrate sustainability concepts into current course materials (e.g., a lecture, a unit, an assignment) by 10% from baseline (collect via survey Fall 2007) to 2012.</i></p>	<p>None</p> <p>Supplies and educational materials (audio-visual, references) (\$1000)</p>
<b>Operations</b>	
<p><i>O-3: By the end of each fall semester between 2008 and 2012, the unit's Sustainability Committee will revise and update the electronic "Recyclable Materials Primer" as needed to keep in step with any revisions to the University's recycling options.</i></p> <p><i>O-5: Beginning in the fall of 2008 through the fall of 2010, the unit's Sustainability Committee will conduct an annual training to ensure faculty and staff (especially new faculty/staff) know how to access the electronic "Recyclable Materials Primer" and use the information to recycle appropriate materials.</i></p>	<p>Summer stipend for one faculty (\$2000/year, 2008-2012)</p> <p>None</p>
<b>Curriculum</b>	
<p><i>C-1: By spring semester 2012, the unit will offer at least one course per year dedicated to issues related to sustainability.</i></p> <p><i>C-3: By spring semester 2012, the unit will increase the number of courses that include sustainability content by 10 percent over baseline levels identified in the fall 2007 survey.</i></p>	<p>Supplies and educational materials (audio-visual, references) (See GA-4)</p> <p>See C-1</p>

<b>2011</b>	
<b>Action Items</b>	<b>Resource Needs</b>
<b>Research</b>	
<i>R-2: Encourage faculty to conduct research that addresses sustainability issues.</i>	Access to grant information (OARSP)
<i>R-4: Encourage faculty to publish research that addresses sustainability issues.</i>	None
<i>R-6: Encourage faculty to attend conferences that address issues of sustainability.</i>	\$2000 additional travel support/year
<b>Community Service and Outreach</b>	
<i>CS-2: Encourage faculty to engage in public and/or outreach activities that address issues of sustainability.</i>	None
<i>CS-4: Encourage faculty to increase the number of community partners in pursuit of sustainability.</i>	None

<b>2012</b>	
<b>Action Items</b>	<b>Resource Needs</b>
<b>Governance and Administration</b>	
<i>GA-4: Increase the number of departmental offerings that integrate sustainability concepts into current course materials (e.g., a lecture, a unit, an assignment) by 10% from baseline (collect via survey Fall 2007) to 2012.</i>	Supplies and educational materials (audio-visual, references)
<b>Operations</b>	
<i>O-3: By the end of each fall semester between 2008 and 2012, the unit's Sustainability Committee will revise and update the electronic "Recyclable Materials Primer" as needed to keep in step with any revisions to the University's recycling options.</i>	Summer stipend for one faculty (\$2000/year, 2008-2012)
<i>O-5: Through the fall of 2010, the unit's Sustainability Committee will conduct an annual training to ensure faculty and staff (especially new faculty/staff) know how to access the electronic "Recyclable Materials Primer" and use the information to recycle appropriate materials.</i>	See O-3
<b>Curriculum</b>	
<i>C-1: By spring semester 2012, the unit will offer at least one course per year dedicated to issues related to sustainability.</i>	Supplies and educational materials (audio-visual, references) (\$1000)
<i>C-3: By spring semester 2012, the unit will increase the number of courses that include sustainability content by 10 percent over baseline levels identified in the fall 2007 survey.</i>	See C-1
<i>C-5: By spring semester 2012, the unit will increase the number of courses that include assignments that focus on sustainability issues by 10 percent over baseline levels identified in the fall 2007 survey.</i>	See C-1

<b>2012</b>	
<b>Action Items</b>	<b>Resource Needs</b>
<b>Research</b>	
<p><i>R-2: By spring semester 2012, the unit will increase the number of faculty who have conducted research that addresses sustainability issues by 5 percent over baseline levels identified in the fall 2007 survey.</i></p>	Access to grant information through OARSP
<p><i>R-4: By spring semester 2012, the unit will increase the number of faculty who have published on issues of sustainability in their discipline by 5 percent over baseline levels identified in the fall 2007 survey.</i></p>	None
<p><i>R-6: By spring semester 2012, the unit will increase the number of faculty who attend conferences that address issues of sustainability by 5 percent over baseline levels identified in the fall 2007 survey.</i></p>	\$2000 additional travel support (annually)
<b>Community Service and Outreach</b>	
<p><i>CS-2: By spring semester 2012, the unit will increase the number of faculty who engage in public and/or outreach activities that address issues of sustainability by 5 percent over baseline levels identified in the fall 2007 survey.</i></p>	None
<p><i>CS-4: By spring semester 2012, the unit will increase the number community partners faculty work with in the pursuit of sustainability by 5 percent over baseline levels identified in the fall 2007 survey.</i></p>	None

**FINANCIAL SUMMARY**  
**Department of Family and Consumer Sciences**

	<b>Estimated Cost</b>
<b>2008</b>	\$11,000
<b>2009</b>	\$7,000
<b>2010</b>	\$7,000
<b>2011</b>	\$5,000
<b>2012</b>	\$5,000
<b>TOTAL</b>	<b>\$35,000.00</b>