

**UW GREEN BAY SUSTAINABILITY COMMITTEE**  
**SURVEY OF CURRENT PRACTICES**

(The committee is grateful to the New Jersey Higher Education Partnership  
for Sustainability for the use of this survey)

**Solid Waste:**

1. Is there presently a recycling program on your campus?  
Yes.
2. If yes, which materials are targeted?  
Paper products, glass, plastic, alum, steel and bimetal cans, batteries, lamps, aerosol cans, oil, antifreeze, drums, scrap metal, tires, electronics, appliances, refrigerant
3. How would you rate compliance with the program?  
Fair in some areas, poor in others
4. Are there additional materials which could be targeted?  
Yes – toner cartridges
5. How would you rate the success of your recycling effort?  
Fair
6. Please briefly identify any improvements you would like to see:  
Presentation on proper recycling at new employee orientation
7. Has there ever been a waste composition or waste characterization study/analysis performed on your campus waste stream?  
Yes – UW extension - 6-7 years ago
8. How would you rank (from highest to lowest, starting with 1) the greatest generators of solid waste on your campus?  
1 offices; 2 classrooms; 3 other: lounges, public areas
9. What would you identify as the five largest categories of waste on your campus?  
1 trash; 2 co-mingled plastic, glass; 3 aluminum cans
10. Does your institution contract with an area hauler for solid waste disposal?  
No.
11. If yes, to #8 above, how are you charged?  
By volume  
  
How often is the contract renewed?  
5-7 years

12. Does your hauler offer incentives for reduction or recycling?  
No
13. Is there any compositing done of biodegradable materials?  
No
14. Are food wastes used in composting, or as an animal feed?  
No
15. Please identify any waster minimization/reduction and recycling efforts not covered in the preceding.  
Recycling of waste in building projects
16. Are there any hazardous wastes minimization programs on your campus?  
Yes.  
Changed to high flash point cleaning solvents.  
Modified cooling coils to eliminate anti-freeze use.  
Recycle bulbs instead of disposing as hazardous waste

**Energy:**

1. Has your institution undertaken any initiatives for energy conservation in heating, ventilation and air conditioning (hvac) systems?  
Yes
2. Has it been the practice at your institution to employ a thermal cycle so that energy consumption is reduced during the regular intervals that buildings are unoccupied?  
Yes
3. Has your institution undertaken any initiatives for energy conservation in lighting systems?  
Yes
4. Has the public utility which supplies your electricity and natural gas provided any energy conservation services?  
Yes
5. Has the public utility which supplies your electricity and natural gas offered to your institution a rate structure for energy conservation or rebates on energy conservation equipment?  
No
6. Please list the most frequently replaced light tubes or light bulbs (size, watts). Not yet completed

7. Please indicate for the items listed above their average life expectancy (# of weeks and unit cost).
8. Has there ever been an economic comparison made between the routine replacement of the conventional bulbs and tubes with highly efficient designs (these designs are typically more costly on a per unit basis but use less electricity while providing the same illumination)?  
Yes. Johnson Controls energy audit. Most lighting fixtures have been updated.
10. Are there any buildings/structures on your campus that are particularly inefficient from the standpoint of lighting and hvac?  
No
11. If yes, to #10 above, what efforts have been undertaken to correct the problem?
12. Are there any improvements that you can suggest which you believe may contribute to making your campus more energy efficient?  
Yes. Detailed in report to Division of State Facilities.
13. Is there a principle source of heat for all or most of campus buildings?  
Yes. Central steam plant.
14. If campus buildings have their own individual heating systems, what are the primary sources of fuel/energy?  
Residence Halls burn natural gas.
15. How is electricity metered at your campus? Through a single source? On a per building basis?  
Most campus buildings are supplied through a central billing meter. Some have individual campus meters.

Are there any renewable energy devices (wind, solar, hydro, etc) or forms of independently produced power (i.e. fuel cells, cogeneration, etc.) on your campus?  
Yes. Solar heated swimming pool. Passive solar heated academic building. Photovoltaic cells in one campus building.

**Water/Sewage:**

1. In your judgment, what are the major sources of water consumption at your campus by category (using 1 as the greatest, please rank the others).  
1 residence halls  
2 public restrooms  
3 food services

2. Have any water conservation efforts been undertaken at your campus?  
Yes. Replacing flush valves w/low flow, installed low flow showerheads in residence halls and sports center. Waterless urinals, prox switch valves. Rainwater cistern in courtyard of one building.
3. How would you characterize the effectiveness of any water conservation devices or programs which have been employed at your campus?
4. Have there been any actual measures or comparisons made between the “before” and “after” of any water conservation devices/programs?  
No.
5. In your judgment, what are the greatest causes of water loss, or waste at your campus?  
Restroom flush water
6. What recommendations can you make to address the loss described in #5 above?  
Continue to upgrade faucets and toilets.
7. What is the source(s) of water at your institution?  
Municipal water supply. Lake Michigan.
8. If your potable water is pretreated, please indicate with what, or how.  
Municipal water treatment.  
  
Does your water supplier offer any conservation incentives?  
No.
9. If yes, to #8, has your institution taken advantage of them?
10. Is there any recycling of “gray” or used water at your campus?  
No.
11. Where is campus sewage discharged?  
Municipal sewer.
12. Is campus sewage monitored in any fashion?  
No.
13. Does the sewage treatment facility/service offer any incentives for reducing flow, or minimizing certain types of discharges?  
No.
14. Can you make any recommendations for reducing sewage discharge or minimizing any of its environmental impact?

No.

**Transportation:**

1. Has a study ever been conducted of traffic in and around your campus?  
Yes. City and county traffic studies on adjacent roads. UW Green Bay parking.
2. How would you rate the accessibility of public transportation to your campus?  
Good.
3. Have any cooperative efforts been undertaken between mass transit providers and your institution to make public transportation more accessible for the campus?  
Yes.
4. Please rank by category to the best of your knowledge how people regularly transport themselves to campus (starting with 1):
  1. personal vehicle
  2. bicycle
5. How would you rate your campus in terms of it being pedestrian-friendly vs. vehicle-intrusive?  
Good if already parked on campus, poor if walking to campus.  
  
(Circle your choice) pedestrian-friendly 1 2 3 4 5 6 7 8 9 10 vehicle-intrusive  
2
6. What changes would you recommend to make your campus more pedestrian-friendly?  
Create bike lane on South Circle Drive.
7. How would you characterize the use of, and accessibility for, bicycles on your campus?  
Fair.
8. Please provide (or estimate) the number of vehicles owned and operated by your campus?  
7 autos  
11 vans  
6 light trucks  
14 heavy trucks  
0 miniature vehicles  
0 scooters/motorcycles  
0 bicycles  
0 other
9. How would you rate the overall “fleet” fuel efficiency of this vehicle inventory?  
Fair.
10. How would you rate the overall use efficiency of this vehicle inventory?

Good.

11. Are there any recommendations you can make for improving the efficiency of how vehicles are operated?  
No.
12. Are any “alternate fuel” vehicles (those not run on conventional fuels) owned and operated by your campus?  
Yes. Two natural gas powered maintenance vans. Several FFV motor pool vehicles.
13. Has your institution explored the possibility of acquiring any alternate fuel or electric vehicles?  
Yes. See above.
14. Are there any recommendations you can make for improving transportation efficiency at your campus?  
Yes. Construct an inner loop road. Widen South Circle Drive to allow bike/pedestrian lane.
15. Are fees charged at your campus for issuance of parking permits?  
Yes.
16. Are any fees assessed for parking used to mitigate the problems associated with campus traffic and/or access to public transportation?  
No.

**Indoor Air Quality:**

1. Has an analysis of indoor air ever been performed for any of the buildings on your campus?  
Yes. SS, IS, TH, dance studio, pool.
2. Are all the buildings on your campus “smoke-free” (smoking of tobacco products prohibited within)?  
Yes.
3. How would you characterize compliance with any no-smoking restrictions in the buildings of your campus?  
Excellent.
4. Have there been any significant complaints about your institution’s actions in enforcing its no-smoking policies?
5. Exhausts from idling engines of motor vehicles parked outside campus buildings sometimes make its way into interior spaces. Has this been a problem at our campus?  
Yes. Unloading at University Union dock.

6. Have any actions been taken to deal with the problem identified in #5 above?  
Yes. Design consideration in Union renovation.
7. Are campus buildings regularly treated through any pest control programs, or with pest control substances?  
No. As needed.
8. Have any health complaints coincided with the application of pest control substances in campus buildings?  
No.
9. Please briefly describe air quality protection measures employed in any campus buildings that routinely experience air degradation problems (labs, workshops, printshops, etc.)  
Extensive use of local ventilation (SA, LS, TH, Facilities).
10. Are cleaners, polishes and other projects regularly used by housekeeping staff assessed for their impact on indoor air quality?  
No. No formal program.
11. Do housekeeping staff ever complain about health problems associated with the use of certain products used in fulfilling their housekeeping duties?
12. Are any precautions taken when repairs and maintenance of indoor areas require application of paints and solvents, or the use of adhesives and other chemicals which contain alerts and warnings on container labels?  
No. Nothing formal.
13. Do any of your institution's structures still have asbestos problems?  
No
14. In your judgment, has asbestos removal been satisfactorily completed at our institution?  
Yes.
15. How frequently are air filters changed in campus ventilation systems?  
Annually.
16. Have any campus structures ever been tested for radon?  
Yes. Man years ago. No known problems.
17. Are any campus structures equipped with carbon monoxide detection devices?  
Yes. All rooms with generators and furnaces, kilns.

## **Landscape:**

1. Are herbicides ever applied to campus lawns or landscapes?  
Yes. Roundup, Preen Speed Zone, Trimonic Plus 992, 24D MLPP, Drive Herbicide/once per year.
2. What precautions are taken in the use of any chemicals noted in #1 above?  
We follow the label instructions, period!
3. Are warning signs posted after the application of herbicides?  
Yes. Signs posed at until the next day/24 hours.
4. Are pesticides ever applied to campus lawns or landscapes?  
Yes. BT for Gypsy Moth, Dormant oil/pine scale. All once a year.
5. Are warning signs posted after the application of pesticides?  
Yes. Signs posted if labels require.
6. Is “integrated pest management” practiced in the maintenance of your campus grounds?  
Yes. Grounds crew only sprays when other practices fail or are obsolete.
7. If your answer was “yes” to the previous question, briefly define your understanding of “integrated pest management”.  
All grounds personnel are commercially certified applicators; all applicators know most practices involved in IPM.
8. How would you rate your institution’s tolerance for weeds on campus lawns?  
Medium tolerance  
6-7 for highly intolerant
9. In the cultivation of any flowers, shrubs, trees, grasses and other plants on campus grounds, are any “organic” (non-chemical) practices employed?  
Yes. Hand weeding and planting of resistant plant varieties when possible.
10. When campus lawns are cut, are grass clippings left behind?  
Yes. The only time we pick up grass (if we get behind cutting and grass clippings are smothering grass).
11. In your inventory of machines for campus maintenance (lawn mowers, blowers, trimmers, etc.) what proportion of them operate by internal combustion engines?  
Very high.
12. What proportion of the machines referred to in the previous question do you believe could be replaced by electric power?

Less than half.

13. What proportion of the machines referred to in #11 above do you believe could reasonably be replaced by hand or manually operated tools?  
Less than half.
14. Are any materials (wood chips, mulch, compost, etc.) used in the maintenance of campus landscapes generated on your campus?  
Yes. About 80% of plant beds are wood chip mulch.
15. Is rain water collected by any campus facility for use in irrigating campus landscapes, or for other purposes?  
Yes. Golf course pond; rainwater cistern in MAC Hall.
16. Are leaves, brush, grass clippings and other vegetative wastes disposed as part of the campus solid waste stream?  
No. We haul our waste to the city's recycling center for treatment.
17. If there is no composting of the materials referred to in the previous question, do you believe there is sufficient space on the campus to establish a compost process?  
Yes. Space available, but desire is questionable.
18. What substances are used during conditions of ice and snow on campus? Have alternatives been explored?  
Road salt, sand salt mixtures, calcium chlorine. Budget restraints dictate most materials used.

**Structures/Renovations:**

1. Are there any buildings under construction on your campus?  
Yes, Kress Event Center.
2. Are there any buildings/structures under renovation on your campus?  
Yes. Instructional Services
3. Are there any building/renovation projects being planned on your campus?  
Yes. University Union, Student Services.
4. When RFPs (requests for proposals), or RFQS (requests for qualifications) are issued by your institution to solicit bids from architects and other contractors for the construction of new buildings, or the renovation of existing structures, is there any language inserted in these documents which attempt to solicit a comparison between the immediate costs of construction vs. the long-term costs of operating the structure over its life expectancy?  
No.

5. Are there any structures on your campus which employ energy saving designs (i.e. deliberate use of passive solar gain for lighting and temperature control)?  
Yes. MAC Hall, photovoltaic generation.
6. Have any building renovation projects been undertaken on your campus which have included energy saving design choices (i.e., high efficiency glazing, advanced forms of insulation materials, thermal storage, etc.)?  
Yes.
7. Have any new building construction projects been undertaken on your campus which have included energy saving design choices (i.e. high efficiency glazing, advanced forms of insulation materials, thermal storage, etc.)?  
Yes.
8. Has any contractor engaged in any building/renovation project on your campus been asked to assess design and material choice to minimize energy consumption, minimize selection of materials containing toxic substances, or minimize environmental harm in the event of fire, or in the process of building demolition?  
Yes. DSF contracts.
9. Has any incentive been offered to your institution by any agencies of local, state or federal government to design structures for minimal environmental impact?  
No.
10. Have any awards or other forms of recognition ever been bestowed upon your institution for environmentally appropriate design of campus structural or landscape architecture/design?  
Yes. MAC Hall.

**Food Service:**

1. What proportion of meals prepared by campus kitchens, dining, vending and food services is in your estimate served on/in/with single-use, disposable cups, plates, trays, containers and assorted eating utensils?  
Most.
2. Is the cost of solid waste disposal of these single-use items borne by the food services contractor, by your institution, or shared?  
Shared. Institution covers wastes recyclables. Vendor covers waste oil.
3. Has an analysis ever been performed which compares the costs and benefits of single-use service vs. the washing and replacement of broken and stolen reusable food service items (i.e. plates, saucers, bowls, cups, glasses, eating utensils, etc.)?  
No.
4. Has a food service contractor, or its competitors, ever been asked by your institution to

perform an analysis like the one referred to in the previous question?  
No.

5. What proportion of food prepared by campus kitchens, dining, vending and food services, or food brought to the campus by caterers and the campus community at-large, is by your estimate disposed as uneaten wastes?  
5%
6. Is any proportion of food wastes recovered for composting, animal feed, or for other purposes?  
No.
7. Are any foods or produce procured by food services at your institution cultivated locally?  
No.
8. Are any foods or produce procured by food services at your institution cultivated organically (without chemicals)?  
No.
9. Are there any meat or dairy products procured by food services at your institution which are produced without the use of growth hormones, routine antibiotic applications or other biologically sensitive practices?  
Yes. Vendor depends on specific suppliers, does not control directly.
10. Has your institution ever requested that food service vendors consider the procurement of the types of food or produce referred to in questions 7, 8 and 9?  
No.
11. Has your food service vendor ever been asked to offer meal choices to its customers which allow for organically produced, chemical-free foods?  
No.
12. Does your food service vendor, or any operator/contractor servicing campus vending machines, receive monetary or other incentives for strategic placement of certain brand name or food products?  
No.
13. Has your food service vendor, or any operator/contractor servicing campus vending machines, ever been asked to account for whether certain rewards are offered for the strategic placement of certain brand name or food products?  
No.
14. Are there any recommendations which you could make for improving the healthfulness and environmental-ecological impact of food services?  
Not at this time!

## **Procurement:**

1. Do any contracts or purchases by which your institution procures the products and services to meet its ongoing needs, request of the vendor recommendations for minimizing waste and environmental impact?  
No.
2. Does your institution buy any recycled products or products containing recycled materials?  
Yes. We use recycled paper on campus, with few exceptions, also some remanufactured toner cartridges.
3. Does your institution buy any products or materials which it requires the vendor to take back for recycling or reuse?  
Yes. Cell phones and a small percentage of toner cartridges.
4. Has your institution requested any of its vendors to consider taking back any products or materials for recycling or reuse?  
Yes. Talked at length with Gateway Computers about trading in monitors, but proved to be costly.
5. Has your institution been able to demonstrate any cost savings through procurement practices which are deliberately intended to minimize environmental impact?  
Yes. The DOA has been working in conjunction with Johnson Controls in an effort to better control our energy usage. This would have an indirect impact on the environment.
6. Are your institution's procurement officials directed to examine the purchasing and contracting process so as to both minimize cost and environmental impact?  
Yes. However, there are no such mandates. It usually comes down to cost.
7. Are any purchases made by your institution in collaboration with other institutions or minimizing cost and environmental impact?  
Yes. There is a great deal of consolidation with other state universities and the State of Wisconsin Department of Administration.
8. Are there recommendations you can make for minimizing cost and environmental impact through your institution's purchasing and contracting processes?  
Yes. We work closely with the Waste Haulers and review their dumping and landfill selection. We are very interested in their dump sights and its effect on the environment.

