

# **Campus Sustainability Assessment and Related Literature**

**An Annotated Bibliography and Resource Guide**

Andrew Nixon

February 2002

# Campus Sustainability Assessment and Related Literature: An Annotated Bibliography and Resource Guide

## Introduction

Everywhere around the world, institutions of higher learning are awakening to the urgent challenges of sustainability. This is only a recent development. Twenty years ago environmental stewardship in higher education was largely limited to regulatory compliance and scattered, often ad-hoc recycling programs. Today, formal recycling programs are commonplace, and some higher education institutions are beginning to adopt the systematic, holistic approaches to sustainability management characteristic of many companies in the private sector.

The literature on sustainability in higher education (SHE) has burgeoned similarly and increased in momentum over the past decade. In fact, almost all of this literature emerged after 1990, 70% of it within only the past 5 years. I have made a serious effort to be as exhaustive as possible in my review of the literature, but new literature related to SHE is emerging at such a rate that total comprehensiveness is virtually impossible.

The 204 works included in this bibliography were selected for their potential value to individuals or groups interested in the campus sustainability assessment (CSA) process. As the CSA ultimately involves all aspects and issues of SHE, I have tried to include literature that collectively provides sufficient information (to the extent that the existing literature can) to guide a person through the entire CSA process. The bibliography accordingly includes all works in English concerning campus “greening” that I identified and consider substantial, a representative selection of works addressing education for sustainability, and select literature from the private sector concerning environmental and sustainability management systems (EMS, SMS) and assessment methodology. Additional information provided includes important organizations, multi-institutional initiatives and campus programs related to sustainability in higher education. Collectively, the information contained and referred to in this document provides a representative overview of sustainability in higher education today.

### *Major themes and Issues*

I identified several common themes in the literature. The following items were most frequently cited as essential elements of successful campus “greening” initiatives:

- Involve staff throughout all stages of a campus greening initiative;
- Obtain institutional commitment—financial support, staff time, information access, public statements of commitment, and policy are all crucial to a long-term strategy;
- Involve students—this can have tremendous educational benefits; and
- Build positive relationships between stakeholders.























































- ☆ **Thomas, Charles, Tessa Tennant and Jon Rolls (2000). THE GHG INDICATOR: UNEP GUIDELINES FOR CALCULATING GREENHOUSE GAS EMISSIONS FOR BUSINESSES AND NON-COMMERCIAL ORGANIZATIONS. United Nations Environment Programme (UNEP).** [http://www.greenbiz.com/toolbox/tools\\_third.cfm?LinkAdvID=6023](http://www.greenbiz.com/toolbox/tools_third.cfm?LinkAdvID=6023)  
☞ greening the campus, climate protection, assessment tool, guidelines
- ★ **Thompson, Dixon and Serena van Bakel (1995). A PRACTICAL INTRODUCTION TO ENVIRONMENTAL MANAGEMENT ON CANADIAN CAMPUSES. Ottawa, Canada: National Round Table on the Environment and the Economy (NRTEE).**  
An outstanding guide to environmental management tools for higher education. Provides an overview of literature related to environmental management in higher education; discusses critical environmental management tools, including substantial material on assessment methodology; and discusses environmental management within the context of energy, water, solid waste, hazardous materials, and transportation. Institutional examples from Canada and the United States are provided throughout.  
☞ greening the campus, sustainability management systems (SMS), assessment, guidelines, best practice, case studies
- ☆ **Thompson, Gioia (1999). "SUCCESSES, MESSES AND PUBLIC RELATIONS: BUILDING COMMUNITY WITH AN ENVIRONMENTAL AUDIT." University of Vermont.** <http://esf.uvm.edu/envcncl/succmess.html>  
The coordinator of the University of Vermont Environmental Council relates the council's experiences with an innovative approach to campus sustainability assessment. Rather than spending countless hours collecting data, the CSA team chose to focus more of its resources on building relationships with staff and administration and involving them throughout the process. The relationships that developed along the way resulted in impressive levels of cooperation and a general enhancement of environmental awareness on campus, thereby making further efforts much easier and more ambitious follow-up projects more likely to succeed.  
☞ greening the campus, assessment, case study, staff involvement
- ☆ **UBC Campus Sustainability Office (2001). SUSTAINABILITY COORDINATOR TOOLKITS. University of British Columbia.** <http://www.sustain.ubc.ca/sctools/sctoolkitmainindex.htm>  
Sets of guidelines and other materials related to energy conservation, transportation, and materials efficiency, designed to facilitate the activities of volunteer departmental sustainability coordinators at the University of British Columbia. Part of an innovative program coordinated by the UBC Campus Sustainability Office.  
☞ greening the campus, sustainability management, staff involvement, guidelines, energy conservation, transportation, waste management
- Uhl, Christopher, Amy Anderson and Garrett Fitzgerald (2000). "HIGHER EDUCATION: GOOD FOR THE PLANET?" Bulletin of the Ecological Society of America 81(2): 152-156.**  
☞ sustainability in higher education (SHE), greening the campus
- ☆ **Uhl, Christopher and Amy Anderson (2001). "GREEN DESTINY: UNIVERSITIES LEADING THE WAY TO A SUSTAINABLE FUTURE." BioScience 51(1): 36-42.**  
☞ sustainability in higher education (SHE), greening the campus
- ☆ **Uhl, Christopher, et al. (1996). "SUSTAINABILITY: A TOUCHSTONE CONCEPT FOR UNIVERSITY OPERATIONS, EDUCATION, AND RESEARCH." Conservation Biology 10(5): 1308-1311.**  
☞ sustainability in higher education (SHE), greening the campus, assessment

**United Kingdom Department of the Environment, Transport and the Regions Energy Efficiency Best Practice Programme (1996). COMBINED HEAT AND POWER (CHP) IN UNIVERSITIES (Good Practice Guide 204). Watford, UK: BRECSU.**

A guide to assessing the potential for and installing combined heat and power systems at a college or university. Includes case studies. Part of a series of publications addressing energy efficiency best practice in higher education.

☞ greening the campus, sustainability management, energy conservation, guide/manual, best practice, case studies

**United Kingdom Department of the Environment, Transport and the Regions Energy Efficiency Best Practice Programme (1997a). THE BENEFITS OF INCLUDING ENERGY EFFICIENCY EARLY IN THE DESIGN STAGE: ANGLIA POLYTECHNIC UNIVERSITY (Good Practice Case Study 334). Watford, UK: BRECSU.**

Outlines an innovative strategy adopted by the management team at Anglia Polytechnic University for the construction of a new low energy building. Part of a series of publications addressing energy efficiency best practice in higher education.

☞ greening the campus, energy conservation, "green" building design, best practice, case study

**United Kingdom Department of the Environment, Transport and the Regions Energy Efficiency Best Practice Programme (1997b). ENERGY EFFICIENCY IN FURTHER AND HIGHER EDUCATION: COST-EFFECTIVE LOW ENERGY BUILDINGS (Energy Consumption Guide 54). Watford, UK: BRECSU.**

A brief guide to energy-efficient building design, intended for energy management staff and senior managers. Contains suggestions for realizing energy conservation through building design and retrofitting, strategic management, energy purchasing and maintenance, and provides a method for assessing energy usage and costs in a range of facility types. Part of a series of publications addressing energy efficiency best practice in higher education.

☞ greening the campus, energy conservation, sustainability management, guide/manual

☆ **United Kingdom Department of the Environment, Transport and the Regions Energy Efficiency Best Practice Programme (1998a). EDUCATED ENERGY: GOOD HOUSEKEEPING IN FURTHER AND HIGHER EDUCATION BUILDINGS (Good Practice Guide 232). Watford, UK: BRECSU.**

A brief guide for energy managers in higher education, using case studies to illustrate energy efficiency measures requiring little or no capital investment. Also includes a set of attractive posters containing energy conservation tips for their respective audiences, including catering services, laboratory technicians, libraries, maintenance staff, and others. Part of a series of publications addressing energy efficiency best practice in higher education.

☞ greening the campus, sustainability management, energy conservation, guide/manual, case studies

**United Kingdom Department of the Environment, Transport and the Regions Energy Efficiency Best Practice Programme (1998b). STUDENT ENERGY AWARENESS SCHEME: UNIVERSITY OF EAST ANGLIA (Good Practice Case Study 367). Watford, UK: BRECSU.**

Documents a successful student-led energy efficiency campaign at the University of East Anglia. Written primarily for estate and finance departments and student union representatives. Part of a series of publications addressing energy efficiency best practice in higher education.

☞ greening the campus, energy conservation, best practice, case study

**United States Environmental Protection Agency (1990). GUIDESTO POLLUTION PREVENTION: RESEARCH AND EDUCATIONAL INSTITUTIONS. Washington, D.C.: U.S. Government Printing Office: EPA/625/7-90/010.**

A guide to assessing opportunities for hazardous waste minimization in a higher education institution. Includes assessment questionnaires and strategy checklists for hazardous waste minimization.

☞ greening the campus, assessment, guide/manual, hazardous substances, case studies, U.S. EPA

**United States Environmental Protection Agency (1997). CEMP SELF-ASSESSMENT MATRIX. Implementation Guide for the Code of Environmental Management Principles for Federal Agencies (CEMP). U.S. EPA.**

<http://es.epa.gov/oeca/cemp/cpgch8.pdf>

Self-assessment tool designed for U.S. government agencies seeking conformance to the EPA Code of Environmental Management Principles (CEMP). The well-designed matrix covers five principles (management commitment, compliance assurance and pollution prevention, enabling systems, performance and accountability, and measurement and improvement). Used by the Campus Consortium for Environmental Excellence (C<sup>2</sup>E<sup>2</sup>) in developing a higher education-specific environmental management self-assessment tool.

☞ sustainability management systems (SMS), assessment tool, U.S. EPA, C<sup>2</sup>E<sup>2</sup>

☆ **United States Environmental Protection Agency (1998). WATER CONSERVATION PLAN GUIDELINES. U.S. EPA.**

<http://www.epa.gov/owm/wecongjd.htm>

Excellent guidelines for developing a comprehensive water conservation plan, including extensive guidance and assessment tools for characterizing existing water systems, identifying conservation opportunities, selecting conservation measures, and developing an implementation strategy. Contains three separate sets of guidelines designed for water systems of different scales.

☞ sustainability management, water conservation, assessment, guidelines, U.S. EPA

☆ **United States Environmental Protection Agency (1999). ENERGY STAR PURCHASING TOOL KIT: A GUIDE TO BUYING ENERGY-EFFICIENT PRODUCTS. U.S. EPA.**

<http://www.epa.gov/nrgystar/purchasing>

A comprehensive on-line guide to the specification and purchase of energy-efficient products. Includes product information, specification language and source listings for high-efficiency products. Also available in hard-copy format.

☞ "green" purchasing, energy conservation, guide/manual, U.S. EPA

☆ **United States Environmental Protection Agency (2000a). ENVIRONMENTAL MANAGEMENT GUIDE FOR SMALL LABORATORIES. U.S. EPA.**

[http://www.epa.gov/sbo/smallabguide\\_500.pdf](http://www.epa.gov/sbo/smallabguide_500.pdf)

An excellent guide to developing and implementing a comprehensive environmental management program for small laboratories.

☞ sustainability management, hazardous substances, guide/manual, U.S. EPA

**United States Environmental Protection Agency (2000b). "TWENTY QUESTIONS FOR COLLEGE AND UNIVERSITY PRESIDENTS." U.S. EPA.**

[http://www.epa.gov/reg3ecej/compliance\\_assistance/questpres.htm](http://www.epa.gov/reg3ecej/compliance_assistance/questpres.htm)

A list of 20 self-assessment questions for presidents of higher education institutions regarding their institutions' environmental management performance and regulatory compliance.

☞ greening the campus, sustainability management systems (SMS), regulatory compliance, guidelines, U.S. EPA

☆ **United States Environmental Protection Agency (2000c). WASTE REDUCTION MODEL (WARM). U.S. EPA.**

<http://www.epa.gov/globalwarming/actions/waste/warm.htm>

Assessment tool created to help solid waste managers estimate greenhouse gas (GHG) emissions associated with different waste management options. Available on-line in web-based calculator format and as a downloadable Microsoft Excel spreadsheet.

☞ sustainability management, climate protection, assessment tool, U.S. EPA

**United States Environmental Protection Agency (2000d). COMPREHENSIVE PROCUREMENT GUIDELINES III. U.S. EPA.**

<http://www.epa.gov/cpg>

Final version of the U.S. EPA's comprehensive procurement guidelines for waste minimization. On-line materials provide brief descriptions, item availability, performance, relevant specifications, and other pertinent information for each recommended product.

☞ "green" purchasing, waste management, guidelines, U.S. EPA

**United States Environmental Protection Agency (2000e). OPERATION AND MAINTENANCE BEST PRACTICES SERIES. Washington, D.C.: U.S. Government Printing Office.**

A set of six guides to energy conservation through the implementation of operation and maintenance (O&M) best practices. Topics covered include: 15 O&M best practices for energy-efficient buildings, obtaining best-practice service contracts, diagnostic monitoring tools for energy-efficient building operation, conducting O&M energy efficiency assessments, energy management systems, and best practices in preventive operations, tracking, and scheduling.

☞ sustainability management, energy conservation, U.S. EPA

**United States Environmental Protection Agency (2000f). "QUESTIONS THAT COLLEGE AND UNIVERSITY ATHLETIC DIRECTORS NEED TO CONSIDER REGARDING THE SCHOOL'S SPORTS FACILITIES." U.S. EPA.**

[http://www.epa.gov/reg3ecej/compliance\\_assistance/questsports.htm](http://www.epa.gov/reg3ecej/compliance_assistance/questsports.htm)

A list of 20 self-assessment questions for athletic directors regarding environmental performance and regulatory compliance of an institution's athletic facilities and programs.

☞ greening the campus, sustainability management, regulatory compliance, guidelines, U.S. EPA

⊛ **United States Environmental Protection Agency (2001a). COLLEGE AND UNIVERSITY ENVIRONMENTAL MANAGEMENT SYSTEM GUIDE, DRAFT. U.S. EPA.**

<http://www.epa.gov/region02/ff/ems/index.html>

☞ greening the campus, sustainability management systems (SMS), guide/manual, U.S. EPA

☆ **United States Environmental Protection Agency (2001b). ENERGY STAR FOR HIGHER EDUCATION. U.S. EPA.**

<http://yosemite1.epa.gov/estar/business.nsf/webmenus/HigherEducation>

A higher education-specific energy conservation assistance program, including a set of sophisticated on-line and downloadable tools for tracking and comparing energy use in buildings.

☞ greening the campus, energy conservation, assessment tool, U.S. EPA

- ★ **University Leaders for a Sustainable Future, Association of (ULSF) (1999). SUSTAINABILITY ASSESSMENT QUESTIONNAIRE (SAQ) FOR COLLEGES AND UNIVERSITIES. ULSF.**  
<[http://www.ulsf.org/programs\\_saq.html](http://www.ulsf.org/programs_saq.html)>  
A simple assessment tool designed to help colleges and universities evaluate the extent to which they are sustainable in teaching and practice. Developed through extensive consultation with leaders in the field and through pilot tests at various institutions.  
☞ greening the campus, sustainability management, assessment tool, ULSF
- ☆ **University Leaders for a Sustainable Future, Association of (ULSF) (2000). TALLOIRES DECLARATION RESOURCE KIT: A GUIDE TO PROMOTING AND SIGNING THE TALLOIRES DECLARATION.**  
<[http://www.ulsf.org/programs\\_talloires.html](http://www.ulsf.org/programs_talloires.html)>  
☞ sustainability in higher education (SHE), greening the campus, declaration, guidelines, ULSF
- ★ **University Leaders for a Sustainable Future (ULSF) and University of Michigan School of Natural Resources and the Environment (2001). CAMPUS SUSTAINABILITY SURVEY, DRAFT 2. ULSF.**  
☞ sustainability in higher education (SHE), greening the campus, assessment tool, survey, ULSF
- University of Colorado Environmental Center (2001). GREEN PRODUCTS GUIDE: A PURCHASER'S GUIDE TO ENVIRONMENTALLY FRIENDLY PRODUCTS. University of Colorado-Boulder.**  
<<http://www.Colorado.EDU/cuenvironmentalcenter/news/publications/publications.html>>  
☞ greening the campus, "green" purchasing, guidelines
- UNSW Environmental Management Program (2000). GREEN-OFFICE RATING QUESTIONNAIRE. University of New South Wales.**  
<<http://www.emp.unsw.edu.au/GOP/GreenOfficeRating/Questionnaire.html>>  
A self-assessment instrument for measuring office environmental performance. An on-line version is available that automatically calculates and scores assessment responses.  
☞ greening the campus, assessment tool, office practices
- ☆ **U.S. Green Building Council (2000). LEED GREEN BUILDING RATING SYSTEM, VERSION 2.0. U.S. Green Building Council.**  
<<http://www.usgbc.org>>  
Most recent version of Leadership in Energy and Environmental Design (LEED) green building standards.  
☞ "green" building design, guidelines
- ☆ **Van Bakel, Serena (1994). INTRODUCTION OF ENVIRONMENTAL AUDITING AS AN ENVIRONMENTAL MANAGEMENT TOOL FOR THE UNIVERSITY OF CALGARY (master's thesis). Faculty of Environmental Design. Calgary, Canada: University of Calgary.**  
A master's thesis project drawing on environmental auditing literature and the results of a survey of environmental management at 49 Canadian higher education institutions to develop and conduct a partial campus sustainability assessment of the University of Calgary.  
☞ greening the campus, sustainability management systems (SMS), best practice, guidelines, assessment, survey, thesis project
- ☆ **Venetoulis, Jason (2001). "ASSESSING THE ECOLOGICAL IMPACT OF A UNIVERSITY: THE ECOLOGICAL FOOTPRINT FOR THE UNIVERSITY OF REDLANDS." International Journal of Sustainability in Higher Education 2(2): 180-197.**  
☞ greening the campus, assessment, case study

- ☆ **Viebahn, Peter (2000). "OSNABRUCK'S MODEL OF ENVIRONMENTAL MANAGEMENT FOR UNIVERSITIES: ITS TEN BUILDING BLOCKS AND THEIR IMPLEMENTATION." University of Osnabruck.**  
<<http://www.usf.uni-osnabrueck.de/projects/sue/UM-Modell/index.en.html>>  
Discusses the elements of an environmental management system (EMS) model for colleges and universities, developed and later implemented at the University of Osnabruck. Authors maintain that although examples of environmental protection measures can be found throughout the sector, a systematic, professional approach to environmental management is lacking. The proposed EMS model introduces 10 "Environmental Management Building Blocks" general enough to be appropriate for many different institutional contexts.  
☞ greening the campus, sustainability management systems (SMS), ISO 14000, EMAS, guidelines, staff involvement
- Viederman, Stephen (1994). "ECOLOGICAL LITERACY: CAN COLLEGESAVE THE WORLD?" Second Nature.**  
<[http://www.secondnature.org/resource\\_center/resource\\_center\\_biblio.html](http://www.secondnature.org/resource_center/resource_center_biblio.html)>  
Offers a skeptical view of higher education's ability to respond adequately to the ecological crisis. Higher education plays an essential role in sustainable development, in that it is both a major source of our unsustainable cultural patterns and capable of bringing about deep paradigmatic change. Yet, many barriers to this exist, including academia's own strong tradition of resistance to change. The article concludes pessimistically about the likelihood that higher education will rise to the occasion.  
☞ sustainability in higher education (SHE), education for sustainability (EFS), conference proceedings
- ☆ **Vision for an International Charter on the Environment for Students (VOICES) (1998). GLOBAL STUDENT ENVIRONMENTAL CHARTER. Istanbul: VOICES.**  
International declaration created in Istanbul, Turkey by student representatives from every continent of the world, outlining the role of students of higher education institutions in sustainable development.  
☞ sustainability in higher education (SHE), declaration, guidelines
- Walton, Julia (1995). RECOMMENDATIONS FOR ENVIRONMENTAL REPORTING IN INSTITUTIONS OF HIGHER EDUCATION (consultation document). Talloires Secretariat.**  
☞ greening the campus, sustainability management, reporting, guidelines
- ☆ **Walton, Julia (2000). "SHOULD MONITORING BE COMPULSORY WITHIN VOLUNTARY ENVIRONMENTAL AGREEMENTS?" Sustainable Development (8): 146-154.**  
Uses survey evidence from the private and higher education sectors to demonstrate that compulsory monitoring within voluntary agreements is important to their effectiveness and long term credibility. Discusses the Internet as a useful medium for supporting these communications.  
☞ greening the campus, sustainability management, reporting
- Walton, Julia and Tony Alabaster (1996). "INSTITUTIONAL ENVIRONMENTAL REPORTING USING THE WORLD WIDE WEB." Industry and the Environment: Practical Applications of Environmental Management Approaches in Business. John P. Ulhoi and Henning Madsen, eds. Aarhus School of Business: 29-39.**  
Discusses the benefits of institutional environmental reporting and the advantages of using the Internet as a medium for communicating environmental information.  
☞ sustainability management, reporting

- ☆ **Walton, Julia, Tony Alabaster and Kathryn Jones (2000).** “ENVIRONMENTAL ACCOUNTABILITY: WHO'S KIDDING WHOM?” *Environmental Management* 26(5): 515-526.  
Discusses the results of an international survey of Talloires Declaration signatories, and critically examines the extent to which the declaration has stimulated environmental responsibility in higher education institutions.  
☞ greening the campus, sustainability management, reporting
- Walton, Julia, et al. (1997).** “ENVIRONMENTAL REPORTING FOR GLOBAL HIGHER EDUCATION INSTITUTIONS USING THE WORLD WIDEWEB.” *The Environmentalist* 17(September): 197-208.  
Discusses the many advantages of environmental reporting by higher education institutions using the Internet.  
☞ greening the campus, sustainability management, reporting
- Worcester, Susan and Rikk Kvitek (1997).** “THE VALUE OF GREEN CAMPUS PROJECTS: A CASE STUDY FROM CALIFORNIA STATE UNIVERSITY MONTERREY BAY.” *Greening of the Campus II: The Next Step.* Robert J. Koester, ed. Muncie, IN: Ball State University: 36-41.  
Describes the successes and messes of the first two semesters of a campus greening course at California University at Monterey Bay. Emphasizes the importance of gauging the character of a project (e.g., scope, difficulty) by the character of the students (e.g., motivational level, class size, major/minor status).  
☞ greening the campus, education for sustainability (EFS), course-based projects, assessment, case study, conference proceedings
- ☆ **Wright, Tarah Sharon Alexandra (in press).** “A REVIEW OF DEFINITIONS AND FRAMEWORKS FOR SUSTAINABILITY IN HIGHER EDUCATION.” *Higher Education Policy and International Journal of Sustainability in Higher Education* (June/July 2002).  
☞ sustainability in higher education (SHE), greening the campus, declarations

## Additional CSA Resources

### I. SUSTAINABILITY IN HIGHER EDUCATION ORGANIZATIONS AND INITIATIVES

#### *Key Higher Education-specific Organizations*

**Association of University Leaders for a Sustainable Future (ULSF)**

<http://www.ulsf.org>

**Australian University Environmental Management Network**

<http://www.emp.unsw.edu.au/AUEMN/index.htm>

**Campus Consortium for Environmental Excellence (C<sup>2</sup>E<sup>2</sup>)**

<http://esf.uvm.edu/c2e2/>

**Center for Respect of Life and Environment (CRLE)**

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

**College and University Recycling Council (CURC)**

<http://www.earthsystems.org/curc/curc.html>

**Cooperation Programme in Europe for Research on Nature and Industry through Coordinated University Studies (COPERNICUS)**

<http://www.copernicus-campus.org/>

**Environmental Association for Universities and Colleges (EAUC)**

<http://www.eauc.org.uk>

**German Network for an Environmentally Sound Development of Universities**

<http://www.eco-campus.net/index.en.html>

**Global Higher Education for Sustainability Partnership (GHESP)**

<http://www.unesco.org/iau/ghesp/ghesp.html>

**Higher Education Network for Sustainability in the Environment (HENSE)**

<http://www.hense.org>

**International Association of Universities (IAU)**

[http://www.unesco.org/iau/tfsd\\_first.html](http://www.unesco.org/iau/tfsd_first.html)

**National Wildlife Federation, Campus Ecology Program**

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

**New Jersey Higher Education Partnership for Sustainability (NJHEPS)**

<http://orion.ramapo.edu/~jquigley/NJHEPS/>

**North American Alliance for Green Education (NAAGE)**

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

**Second Nature**

<http://www.secondnature.org>

**Sustainable Higher Education**

<http://www.dho21.nl/english>

*Noteworthy Initiatives Related to Sustainability in Higher Education*

**Associated Colleges of the South (ACS) – Environmental Program**

<http://www.colleges.org/~enviro/>

**Association of Canadian Community Colleges (ACCC) – Energy Efficiency Program**

<http://www.accc.ca/energyefficiency/index.htm>

**Auditing Instrument for Sustainable Higher Education (AISHE)**

<http://www.dho21.nl/english/network/criteria.html>

**Center for Sustainable Systems – Campus Ecology: Environmental Performance Assessment and Reporting (Economicology)**

<http://css.snre.umich.edu/>

**Clean Air, Cool Planet – Northeast Higher Education Initiative**

<http://www.cleanair-coolplanet.org>

**College and University Recycling Council (CURC) – Reporting Standards Project**

[http://www.brown.edu/Departments/Brown\\_Is\\_Green/curc/](http://www.brown.edu/Departments/Brown_Is_Green/curc/)

**COPERNICUS – European Solar Campus Initiative**

[http://www.copernicus-campus.org/sites/project\\_index3.html](http://www.copernicus-campus.org/sites/project_index3.html)

**COPERNICUS – Low-Energy University Initiative**

[http://www.copernicus-campus.org/sites/project\\_index2.html](http://www.copernicus-campus.org/sites/project_index2.html)

**EcoCampus Environmental Management System and Award Scheme**

[http://www.encams.org/pages/programmes/programmes\\_education/programmes\\_education\\_ecoamp.asp](http://www.encams.org/pages/programmes/programmes_education/programmes_education_ecoamp.asp)

**Environmental Management Systems at Universities in North-Rhine Westphalia, Germany**

[http://www.oeve.uni-essen.de/KoUMS/index\\_engl.htm](http://www.oeve.uni-essen.de/KoUMS/index_engl.htm)

**Laboratory Project XL – New England Universities**

<http://esf.uvm.edu/c2e2/labxl/index.html>

**Leonardo Academy – Cleaner and Greener**

<http://www.cleanerandgreener.org/colleges.htm>

**Sierra Youth Coalition – Sustainable Campuses**

[http://www.sierrayouthcoalition.org/en\\_CA/SusCamp/Campus.htm](http://www.sierrayouthcoalition.org/en_CA/SusCamp/Campus.htm)

**South Carolina Sustainable Universities Initiative (SUI)**

<http://www.sc.edu/sustainableu/>

**UK Energy Efficiency Best Practice Programme – Further and Higher Education Focal Point**

[http://www.energy-efficiency.gov.uk/eebpp/eebpp\\_template.cfm?identification=150](http://www.energy-efficiency.gov.uk/eebpp/eebpp_template.cfm?identification=150)

**University-EMS.net**

<http://www.university-ems.net> (under construction)

**U.S. Environmental Protection Agency – EMS Pilot Project for Colleges and Universities**

<http://www.epa.gov/region01/steward/univ/pilotproject.html>

## Campus Sustainability Assessment Review Project

### **U.S. Environmental Protection Agency – Energy Star for Higher Education**

<http://yosemite1.epa.gov/estar/business.nsf/webmenu/HigherEducation>

### **U.S. Environmental Protection Agency – Energy Star Institutional Purchasing for Higher Education**

[http://www.epa.gov/nrgystar/purchasing/higher\\_ed.html](http://www.epa.gov/nrgystar/purchasing/higher_ed.html)

### **U.S. Environmental Protection Agency – Environmentally Preferable Purchasing**

<http://www.epa.gov/opptintr/epp/>

### **U.S. Environmental Protection Agency – Green Chemistry Program**

<http://www.epa.gov/opptintr/greenchemistry/>

### **U.S. Environmental Protection Agency – WasteWise**

<http://www.epa.gov/wastewise/>

### **U.S. Environmental Protection Agency – Water Alliances for Voluntary Efficiency (WAVE)**

<http://www.epa.gov/owm/faqw.htm>

### **U.S. Environmental Protection Agency – Working With Colleges and Universities to Improve Environmental Compliance**

<http://www.epa.gov/region02/p2/college/>

### **Workplace Eco-Auditing Initiative**

<http://www.cfe.cornell.edu/wei/ecoaudit%20generic2.htm>

### **Outstanding Individual Institutional Programs and Initiatives** (alphabetized by institution)

#### **ANU Green**, *Australian National University*

<http://www.anu.edu.au/facilities/anugreen/>

#### **Green Committee 2**, *Ball State University*

<http://www.bsu.edu/provost/ceres/g2/0main/>

#### **Brown Is Green (B.I.G.)**, *Brown University*

[http://www.brown.edu/Departments/Brown\\_Is\\_Green/](http://www.brown.edu/Departments/Brown_Is_Green/)

#### **Harvard Green Campus Initiative**, *Harvard University*

<http://www.Green-campus.harvard.edu/>

#### **Environmental Management**, *Lund University*

<http://www.lu.se/green-campus/GreenPages/index.html>

#### **Green Destiny Council**, *Penn State University*

<http://www.sustainable.ufl.edu/>

#### **UB-Green**, *State University of New York at Buffalo*

<http://wings.buffalo.edu/services/recycling/>

#### **Tufts Climate Initiative**, *Tufts University*

<http://www.tufts.edu/tie/tci/>

#### **Green Tulane**, *Tulane University*

<http://green.tulane.edu/>

## Campus Sustainability Assessment Review Project

**UBC Campus Sustainability Office**, *University of British Columbia*  
<http://www.sustain.ubc.ca/>

**Environmental Management Committee**, *University of Calgary*  
<http://www.ucalgary.ca/UofC/departments/UEMC/>

**Sustainable UF**, *University of Florida*  
<http://www.sustainable.ufl.edu/>

**Sustainable University of Michigan**, *University of Michigan*  
<http://www.umich.edu/~usustain/>

**UO Sustainability**, *University of Oregon*  
<http://darkwing.uoregon.edu/~recycle/sustain.htm>

**Environmental Management**, *University of Osnabruck, Germany*  
<http://www.usf.uni-osnabrueck.de/projects/sue/index.en.html>

**Environmental Management**, *University of Vermont*  
<http://esf.uvm.edu/envcncl/>

**U-Vic Sustainability Project (UVSP)**, *University of Victoria*  
<http://uvsp.uvic.ca>

**WATgreen**, *University of Waterloo*  
<http://www.adm.uwaterloo.ca/infowast/watgreen/>

## II. KEY PERIODICALS RELATED TO SUSTAINABILITY IN HIGHER EDUCATION

**Copernicus News**. Duurzaam Hoger Onderwijs (DHO 21)  
<http://www.dho21.nl/publicaties/>

**The Declaration**. Association of University Leaders for a Sustainable Future (ULSF)  
[http://www.ulsf.org/publications\\_declaration.html](http://www.ulsf.org/publications_declaration.html)

**International Journal of Sustainability in Higher Education (IJSHE)**.  
<http://www.emeraldinsight.com/ijshe.htm>