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Print and Electronic Resources

Books and Reports

Brown, Lester, et. al., 2001. *State of the World 2001*. Washington, D.C.: Worldwatch Institute. (Available through www.worldwatch.org.)

Collett, Jonathan and Stephen Karakashian, editors, 1996. *Greening the College Curriculum: A Guide to Environmental Teaching in the Liberal Arts*. Washington, DC: Island Press.

Cortese, Anthony D., 1997. *Engineering Education for a Sustainable Future*. Boston, MA: Second Nature. (See also: www.secondnature.org.)

Creighton, Sarah Hammond, 1998. *Greening the Ivory Tower: Improving the Environmental Track Record of Colleges and Universities*. Cambridge, MA: MIT Press.

Eagan, David J. and Julian Keniry, 1998. *Green Investment, Green Return: How Practical Conservation Projects Save Millions on America's Campuses*. Reston, Virginia: National Wildlife Federation. (See also: www.nwf.org/campusecology.)

Filho, Walter Leal, editor, 1999. *Sustainability and University Life*. Frankfurt am Main: Peter Lang. (Available through www.ulsf.org.)

Filho, Walter Leal, editor, and Richard M. Clugston, deputy editor. *International Journal of Sustainability in Higher Education*. Bradford, West Yorkshire: Emerald Partnerships. (Available through www.ulsf.org.)

Finlay, Jennifer and Judith Samuelson, 1999. *Beyond Grey Pinstripes: Preparing MBA's for Social and Environmental Stewardship*. Washington, DC: World Resources Institute. (Available through www.wri.org.)

Heinz Family Foundation, 1995. *Blueprint for a Green Campus: The Campus Earth Summit Initiatives for a Green Campus*. Washington, DC: Heinz Family Foundation. (Available through www.cgv.org.)

Intergovernmental Panel on Climate Change (IPCC), 2001. *Third Assessment Report: Climate Change 2001*. Cambridge: Cambridge University Press.

Keniry, Julian, 2000. *Campus Environmental Management Systems*. Vienna, Virginia: National Wildlife Federation. (See also: www.nwf.org/campusecology.)

Keniry, Julian, 1995. *Ecodemia: Campus Environmental Stewardship at the Turn of the 21st Century*. Reston, Virginia: National Wildlife Federation.

Koester, Robert J., editor, 1999. *Conference Proceedings: Greening of the Campus III: Theory and Reality*. Muncie, IN: Ball State University. (See also: www.bsu.edu/greening.)

Orr, David W., 1994. *Earth in Mind: On Education, Environment and the Human Prospect*. Washington, DC: Island Press.

Orr, David W., 1992. *Ecological Literacy: Education and the Transition to a Postmodern World*. Albany, NY: State University of New York Press.

Poinsatte, Françoise, and Will Toor, 1999. *Finding a New Way: Campus Transportation for the 21st Century*. Boulder, Colorado: University of Colorado Environmental Center. (See also: www.colorado.edu/cuenvironmentalcenter.)

Simpson, Walter, 2000. *UB Guide to Green Computing*. Buffalo, NY: SUNY Buffalo.

Smith, April and the Student Environmental Action Coalition, 1993. *Campus Ecology: A Guide to Assessing Environmental Quality and Creating Strategies for Change*. Los Angeles, CA: Living Planet Press.

Strauss, Benjamin H., 1996. *The Class of 2000 Report: Environmental Education, Practices, and Activism on Campus*. New York, NY: Nathan Cummings Foundation.

Wixom, Robert L., Lisa L. Gould, Susan Schmidt and Louis Cox, editors, 1996. *Environmental Challenges for Higher Education: Integrating Sustainability into Academic Programs*. Burlington, VT: Friends Committee on Unity with Nature.

Articles

Betts, Kellyn S., 2001. "Greening of the Campus." *Environmental Science and Technology Magazine*, Vol. 35, Issue 9, pp. 189A-202A.

Bogo, Jennifer, 1999. "Sustainability 101." *E Magazine*, Vol. X, No. 6.

Clark, Charles S, 2000. "Campuses Move Toward Sustainability." *AGB Priorities*, No. 14, Spring. (See also: www.agb.org.)

Garland, Charlene, 2001. "Reducing Greenhouse Emissions: Northeastern Campuses Demonstrate Varied Approaches." *Campus Ecology Connection*, Vol. 12, Issue 1. (Available through www.nwf.org/campus-ecology.)

"Green Building Report: Slowly, Campuses Are Going Green," 2001. *Building and Operating Management*, May. (Available through www.facilitiesnet.com/bom)

Herremans, Irene and David E. Allwright, 2000. "Environmental Management Systems at North American Universities: What Drives Good Performance?" *The Declaration*, Vol. 3, No. 3, February. (See also: www.ulsf.org.)

Kohn, Bruce S., Walter Simpson, Julie Barrett-O'Neill, and Joseph A. Gardella, Jr.. 1999. "Students Conduct Environmental Audits for Credit and Public Service." *The Declaration*, Vol. 3, No. 2, September.

Nicholson, Ben, Jonathan Bulkley, and Greg Keoleian, 2000. "Measuring Progress: Developing Standard Campus Performance Metrics." *Campus Ecology Connection*, Vol. 11, Issue 1.

Perrin, Noel, 2001. "The Greenest Campus: An Idiosyncratic Guide." *Chronicle of Higher Education*, April 6.

Petit, J.R., J. Jouzel, D. Raynaud, et. al., 1999. "Climate and Atmospheric History of the Past 420,000 Years from the Vostok Ice Core, Antarctica." *Nature*, Vol. 399, June.

Quigley, James, 2001. "All 56 Presidents Sign Environmental Plan." *New Jersey Higher Education Partnership for Sustainability*. (See also: www.ramapo.edu/content/units/tas/njheps/index.html.)

Savanick, Suzanne, 2001. "Campus Watershed Projects Abound." *Campus Ecology Connection*, Vol. 12, Issue 1.

Simpson, Walter, 1996. "Environmental Stewardship and the Green Campus." *Facilities Manager*, Vol. 12, No. 1, pp. 39-45. (Available through www.appa.org)

Stine, Jessica, 2001. "Demystifying 'Green' Purchasing." *NAEB Journal*, Summer, pp. 12-17.

Simpson, Walter, 1996. "Environmental Stewardship and the Green Campus." *Facilities Manager*, January. (See also: www.appa.org)

Sustainability Assessment Questionnaire (SAQ). Washington, DC: University Leaders for a Sustainable Future. (See also: www.ulsf.org)

Taylor, Robert W, 1999. "Environmental Sustainability in Higher Education: A Survey Analysis." *The Declaration*, Vol. 3, No. 2, September.

Toor, Will, 2000. "Making Earth Day Everyday on Campuses." *Campus Ecology Connection*, Vol. II., Issue 1.

Uhl, Christopher, Amy Anderson, and Garrett Fitzgerald, 2000. "Higher Education: Good for the Planet?" *Bulletin of the Ecological Society of America*, Vol. 81, No. 2, April.

Uhl, Christopher and Amy Anderson, 2001. "Green Destiny: Universities Leading the Way to a Sustainable Future." *BioScience*, Vol. 51, No. 1.