



Renewing the Campus Sustainability on College Campuses

**October 9, 2009
University of Notre Dame, South Bend, IN**

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Executive Director
National Catholic Rural Life Conference**

Background

National Catholic Rural Life Conference

- Membership-based organization – founded in 1923 by Bishop Edwin V. O'Hara
- Mission of NCRLC
- NCRLC Today
 - *Care of Community*
 - *Care of Creation*
 - *Networking Catholic Communities - Faith in Action*

SUS·TAIN'·A·BLE (s)

1. To keep in existence; maintain; *is environmentally sound*" or nourishment; provide for *economically viable*". 3. resolution of; encourage: *socially desirable*".



The Rise of Consumer Responsibility

“the only bright lights in the otherwise gloomy economic realities of late 2008 lie in those topics that intersect with sustainability”

Source: The Hartman Group 2008 Sustainability Survey

Survey of Catholic Institutions

- NCRLC sent sent out surveys to 300 Catholic institutions (schools, colleges, hospitals, and religious communities) in January 2009.
- Research funded in part by Catholic Coalition for Climate Change (CCCC) and the National Religious Partnership for Environment (NRPE)
- To-date NCRLC has received 54 surveys.

Catholic Institutions

- Over 720,000 students attend Catholic colleges and universities in the US
- Catholic college and university enrollment increased in the 1990's by 18.8%
- 19 Catholic colleges and universities have been named by the National Wildlife Federation as exemplary Green Schools

(James, Michael. "2005 Catholic College and University Statistics,"
Association of Catholic Colleges and Universities)

Aquinas College – Grand Rapids, MI

- Member of ACUPCC
- Committed to LEED ratings for all major renovations
- Water Efficiency – 32% less than a standard facility of similar size
- Energy Efficiency – Hired an energy coach
- Building Materials – 60% shipped from local sources (<500 miles)
- Indoor Envir. Quality – Comprehensive Green Cleaning Program
- Reducing Waste – Cleaning products concentrate, copy paper
- Food Service – Purchase local, seasonal foods
- Sustainability Committees

**Contact: Deborah Steketee, Ph.D., Executive Director, Center for Sustainability,
Aquinas College; 616-632-2930; <http://www.aquinas.edu/>**

Iona College – New Rochelle, NY

- Environmental Concerns Committee
- Partnerships With Other Organizations
- Facilities Department Designated an ECO
- Cleaning Products – switched to environmentally friendly
- Scientific and Technological Literacy (STL) Program

Contact: Fredrica Rudell, Ph.D., Chair, Department of Marketing and International Business, Hagan School of Business; 914-637-2748: <http://www.iona.edu/>

Georgian Court University – Lakewood, NJ

- Member of ACUPCC
- Water Use – 50% reduction through landscaping
- Energy Efficiency – purchased renewable energy certificates
- Construction Material – use of recycled products
- Achieved Recycling Rate of 40% - Recyclemania Competition & EPA WasteWise Partner
- Designated Committee to foster the care for the environment

**Contact: Andrew P. Christ, PE, Assistant Vice President for Operations;
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John Carroll University – University Heights, Ohio

- Water Efficiency – Water saving low flow shower heads
- Energy Efficiency – Changed light fixtures in buildings
- Material Content – New construction specifications
- Experiential Learning – Installing electric meters and establishing an on-line residence power usage monitoring system
- Generation Green – Student environmental group
- Food Service – Local, seasonal foods; tray-less dining room
- Transportation – Offers reduced prices for public transit passes

**Contact: Dr. Jonathan Smith, VP and Executive Asst to the President;
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King's College – Wilkes-Barre, PA

- Water Efficiency – Low flow devices for showers & toilets
- Energy Efficiency – New specs for light fixtures in buildings
- Construction Material – use of recycled products
- Cleaning Products – switched to Green Seal certified
- The Green Initiative (TGI) – committee of faculty, staff, & students
- Waste Reduction – focus on packaging reduction
- Food Service – Local, seasonal foods; tray-less dining room; recyclable products replaced styrofoam and plastic containers

Contact: Dr. Bridget Costello, Chair, The Green Initiative, Dept. of Criminal Justice & Sociology; 570.208.5900, x.5745; BridgetCostello@kings.edu

Loyola Marymount University – Los Angeles, CA

- Member of ACUPCC
- Water Efficiency – Recycled water for irrigation on 60% of campus
- Energy Efficiency – Installed digital controls on HVAC systems
- Content & Source Material – use of recycled material (10% of construction cost); 10% of new materials sourced locally
- Indoor Air Quality Plan
- Environmental Stewardship & Sustainability Committee
- New Environmental Studies Minor; BS in Envir. Science
- Waste Reduction – new library, ATM machines, office paper
- Food Service – Local, seasonal foods; tray-less dining room; on-campus farmers' market

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Marquette University – Milwaukee, WI

- Sustainability Task Force
- LEED Certification for New Construction and Renovation Projects
- Water Efficiency – Storm water runoff minimized by rain garden
- Energy Efficiency – Participates in the State of WI's Focus on Energy Program; switching to CFL lighting and LED lighting
- Construction Materials – Environmentally responsible materials
- Indoor Envir. Quality – Use Green Seal certified cleaning products
- Experiential Learning – Students developing landscaping policy
- Recycling – Diversion rate 19.3%, move to 30% by 2011
- Food Service –Tray-less pilot program; local food when possible

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michael.whittow@marquette.edu; <http://www.marquette.edu/sustainability/index.shtml>**

Mercyhurst College – Erie, PA

- Member of ACUPCC
- Green Team – Student, Faculty, and Staff
- Energy Efficiency – Increased purchase of wind energy from 10% to 30% of the college's electricity
- Inventory of the Greenhouse Gases Emitted by the College
- Integrated into Curriculum – Minor in Sustainability Studies
- Recycling – Annual recycling rate of 50% of its waste stream; Trash-to-Treasure program

**Contact: Chris Magoc, Ph.D., Green Team; 814.824.2075;
cmagoc@mercyhurst.edu; <http://sustainability.mercyhurst.edu/>**

Mount St. Mary's University, Emmitsburg, MD

- Member of ACUPCC
- Energy Efficiency in New Construction Projects
- Construction Materials – Certified sustainable lumber and regionally-sourced material when available
- Indoor Envir. Quality – Low VOC emission paints and carpets; smart thermostats
- Environmental Stewardship and Sustainability Committee – Faculty, staff and students

**Contact: Jeffrey Simmons, Associate Professor of Environmental Science;
simmons@msmary.edu ; 301-447-5820 ext.4863**

St. Norbert College – De Pere, WI

- Member of ACUPCC
- Environmental Sustainability Committee
- Energy Efficiency - Incorporates environmental heat wheel recovery systems in HVAC; purchase computers with gold rating by EPEAT
- Indoor Envir. Quality – Use Green Seal certified cleaning products
- Recycling – Employs 2 full-time staff dedicated to recycling & waste mgmt; almost all toners used in copiers are biodegradable

Contact: Mark Bockenbauer, Chair, Environmental Sustainability Advisory Committee (ESAC), 920.403.3445; mark.bockenbauer@snc.edu; <http://www.snc.edu/green/>

University of Notre Dame, Notre Dame, IN

- Office of Sustainability – established in 2008
- Energy Efficiency – HVAC and/or lighting renovations in 24 bldgs, Dorm energy competition
- Water Efficiency – 25-35% savings new using sprinkler system
- Construction Materials – Purchase materials w/ recycled content
- Indoor Envir. Quality – Low VOC emission adhesives, paints, carpets; smart thermostats; green cleaning products
- GreenND Student Club
- Energy and Environmental Issues Committee
- Recycling – Old-to-Gold Campaign
- Food Service –40% of food on campus is locally sourced

Contact Rachel Novick, PhD, Education & Outreach Coordinator, Office of Sustainability; 574.631.1439; sustainability@nd.edu; <http://green.nd.edu>

Rosemount College – Rosemount, PA

- Member of ACUPCC
- Completed a Greenhouse Gas Emissions Inventory
- Water Efficiency – Low flow showerheads and toilets required; and native plant species used in landscaping
- Energy Efficiency – Established targeted interior space temperature ranges; energy tip-of-the week sent by facilities
- Indoor Envir. Quality – Use Green Seal certified cleaning products
- Experiential Learning – Introduced a “No Mow Zone”
- President’s Climate Committee – Faculty, staff, and students
- Food Service –Tray-less program reduced waste by 70%

Contact: Thomas Szatkowski, Director of Facilities; 610-527-0200 ext. 2152; tszatkowski@rosemont.edu

College of Saint Benedict/ St. John's University – Collegeville, MN

- Members of ACUPCC
- Members of AASHE
- Members of NCSE
- EPA Energy Star Partner Schools
- New Construction and Renovations follow LEED Guidelines
- Stewardship Committee – Faculty, staff and students
- Service Learning – St. John's Arboretum
- Food Service – Local, seasonal foods; food waste goes to local farmer as hog feed; piloting "tray-less Tuesdays"

Contact: Dr. Derek Larson, Associate Professor of History and Environmental Studies; dlarson@csbsju.edu; 320-363-3247

University of St. Mary - Leavenworth, KS

- Water Efficiency – Developed a rain garden filtration and retention area for storm-water runoff in partnership with Kansas State University and the Kansas Department of Health and Environment
- Energy Efficiency – Changed light fixtures in buildings
- Construction Materials – Purchase materials w/ recycled content, and from local sources when possible
- Service Learning Project – Students worked on the storm-water runoff project, students are sharing the results with community

**Contact: Mark Gieseeman, Director of Facilities;
giesemanm@stmary.edu; 913 758-6526**

Santa Clara University – Santa Clara, CA

- Member of ACUPCC
- Member of AASHE
- Member of USGBC
- Water Efficiency – 85% of campus is irrigated with recycled water, low-flow shower heads installed in 95% of residence halls
- Energy Efficiency – students involved in energy innovation
- Indoor Envir. Quality – Use Green Seal certified cleaning products and purchase low VOC adhesives and paints.
- Experiential Learning – Sustainable Living Undergraduate Research Project (SLURP)
- Sustainability Council – Faculty, staff, and students

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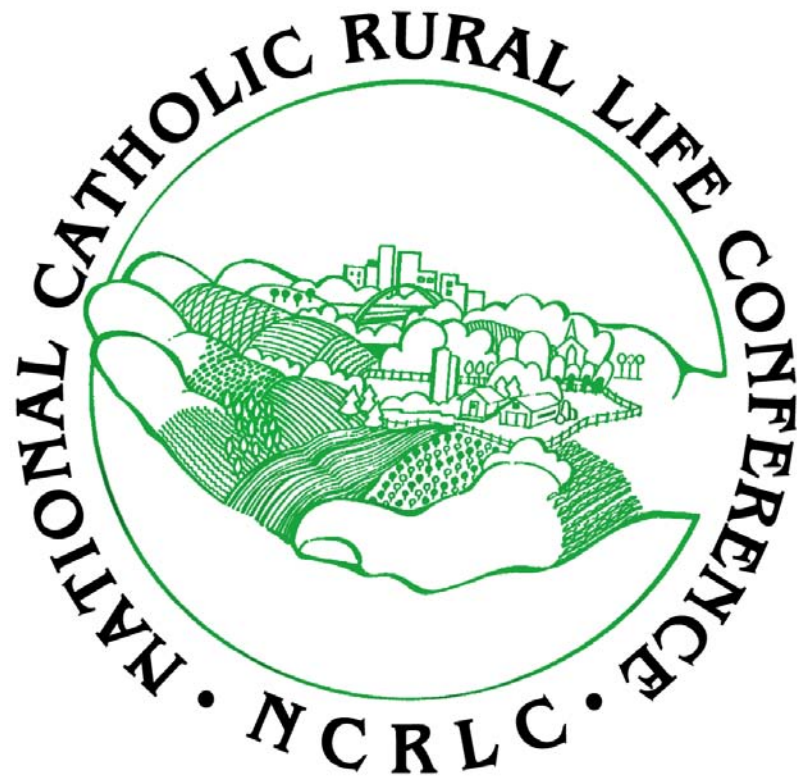
Observations of Models

- Members of Associations – ACUPCC, AASHE
- Pursuing LEED Certification and Follow USGBC Guidelines
- Developing Targets, Tracking Results, Measuring Savings
- Involving Students, Faculty and Staff
- Established a Center to Coordinate Efforts
- Hired Staff to Coordinate the Program
- Incorporated Projects into Curriculum/Engaged Students
- Developed a Sustainability Minor/Major
- Pursued Comprehensive Plan (facilities, food service, waste mgmt, building materials, etc.)
- Involved the Broader Community/Partnerships

Our Calling, Our Responsibility

“God destined the earth and all peoples so that all created things would be shared fairly by all mankind under the guidance of justice tempered by charity.”

Pope John Paul II, Oct. 4, 1979, Des Moines IA



www.ncrlc.com

Thank You!