

*The AASHE Bulletin will be taking a two week break for the holidays.
Season's greetings from the AASHE staff!*

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News

1. [City College of New York, EPA Sign MOU for Curriculum Development](#)

The City College of New York and the U.S. Environmental Protection Agency have signed a five year renewable Memorandum of Understanding to create a long-term recruitment and education program that aims to: bring qualified employees into EPA's workforce; promote awareness for the EPA's work; and facilitate information and technology transfer from EPA to CCNY to assist in curriculum development and to foster an exchange of ideas with faculty. Components of the program include summer internship opportunities for CCNY students; a Student Educational Employment Program that will enable the EPA to recruit CCNY students majoring in engineering, physical and social sciences, economics, computer science or public administration; and a Visiting Environmental Professional Program that will bring EPA officials to campus to speak to classes and conduct mini courses, lectures and seminars on current environmental topics.

2. [Michigan Tech Launches Green Campus Enterprise](#)

The Michigan Institute of Technology has launched a new enterprise dedicated to making the campus more sustainable. The Green Campus Enterprise (GCE) is charged with developing the analytical tools and knowledge necessary to make decisions based on sustainability and, with other groups, to design and implement projects to improve the sustainability of the Michigan Tech campus. The GCE will also keep the campus community updated on its activities. Initially, the GCE will focus on identifying the most significant sources of carbon emissions from all campus activities. The GCE and other campus groups will then develop improvement projects. GCE students will work on possible carbon-reducing strategies in activities relating to electricity and heating, transportation, agriculture, solid waste and refrigerants and other chemicals.

3. U Guelph Partners to Build Model Biodiesel Production Plant

The Centre for Agricultural Renewable Energy and Sustainability at the University of Guelph's (ON) Ridgetown Campus has begun a project to work with local farmers to build a model farm-scale oilseed processing and biodiesel production plant on campus. The facility is intended to demonstrate how soybean and pork producers might work together to produce biodiesel and feed hogs without having to leave the farm. The facility will help researchers to understand the correct scale for an on-farm biodiesel operation, including how many acres of oilseed crops would be needed to supply feedstocks for biodiesel production and how many hogs would be needed to consume the resulting meal.

4. Louisiana State U Offers Coastal Environmental Science Degree

Louisiana State University has begun offering a Bachelor's of Science in Coastal Environmental Science. Students in the program are required to take an interdisciplinary science curriculum that includes chemistry, biology, physics, and mathematics courses. Specific program course offerings will include Aquatic Pollution, Mathematical Methods in Science, Global Environmental Cycles, and Hurricanes and Typhoons.

See also: [Coastal Environmental Science degree homepage](#)

5. Coastal Carolina CC Launches Biofuels Degree Program

Coastal Carolina Community College (NC) has launched an Associate's degree in Alternative Energy Technology: Biofuels. The biofuels degree curriculum includes biofuels analytics, biofuels waste management, bioprocessing practices, chemistry, math, and renewable energy technology. Its interdisciplinary approach also requires students to take courses in electrical control systems, welding, pumps and piping systems, and small business development. The program's first classes started in fall 2008 and the five-semester program will graduate its first class in spring 2010.

6. Central CC to Install Renewable Energy Systems

Central Community College's (NE) Hastings Campus has announced plans to install a small wind turbine, geothermal energy, and solar panels on its campus. The goal of the new installations is to give students experience installing renewable energy systems. The renewable energy sources will not be used to power any buildings on campus.

7. Harvard U Partners to Research Inexpensive Solar Power

Harvard University (MA) has partnered with IBM to launch the World Community Grid project. The research hopes to discover and isolate organic molecules that when combined can convert sunlight into electricity. They hope this research will reduce the cost of producing solar cells. The effort will allow volunteers to donate idle computer power to aid the research.

8. U British Columbia Campus to Receive Rapid Transit Line

The University of British Columbia has announced that the provincial government will install a rapid transit line to its campus. The government decided to install the new line after UBC increased its daily ridership from 19,000 to 50,000 through the introduction of the U-Pass, improved cycling facilities, and a 33 percent reduction of parking spaces on campus.

9. U Illinois Cancels Plans to Install Wind Turbine

The University of Illinois has decided to cancel its plans to install a 1.5 MW wind turbine on campus due to UI's weakening fiscal status. The original project, as it was announced in 2005, called for three turbine installations. The University reduced the project to one turbine a few years later after the price of wind turbines increased. The wind energy project would have been funded by \$300,000 raised by a student-implemented \$2 per semester fee and a \$2 million grant from the Illinois Clean Energy Foundation.

See also: [Chronicle of Higher Education blog post](#)

10. Western Kentucky U Purchases Land for Educational Preserve

Western Kentucky University has purchased Cave Spring Caverns to establish the Cave Springs Caverns Educational Preserve. The land contains a cave that houses the endangered gray bat, and WKU scientists plan to work with bat biologists to monitor the bats and determine if management strategies might actually increase the numbers of gray bats that utilize the cave.

11. [Davidson College Residence Hall Receives LEED Certification](#)

Duke Dormitory at Davidson College (NC) has received LEED certification. The structure, which was renovated in 2006 and 2007, features low-flush toilets, heat-reflecting roofing materials, low-VOC paints, and air quality monitors. In addition, eighty percent of the waste generated by the renovation was recycled or reused.

See also: [List of Green Residence Halls](#)

12. [Eastern Connecticut State U Opens Green Science Building](#)

Eastern Connecticut State University has opened its new green Science Building on campus. The \$46 million, 174,000 square-foot building features waterless urinals, air quality sensors, room occupancy sensors, natural daylighting, and furniture made from recycled materials.

See also: [List of Green Science Buildings](#)

13. [UNLV Opens Environmentally Friendly Classroom Building](#)

The University of Nevada, Las Vegas has opened Greenspun Hall, a 120,000 square foot green classroom building. Construction was completed in the summer of 2008 and faculty and staff moved into the building in September. The structure, which is registered for LEED Gold certification, features a photovoltaic array, a chilled-beam heating and cooling system, low-flow water fixtures, and bicycle storage.

14. [Humboldt State U, Kettering U to Build Green Science Buildings](#)

Humboldt State University has announced plans to construct the Schatz Energy Research Center. The 6,000 square foot structure will be registered for LEED Gold certification and will house an exterior laboratory and two indoor labs. Construction will begin in January 2009 and the expected completion date is June 2010. Likewise, Kettering University (MI) has announced plans to construct a new green Science and Technology Incubator. The University is seeking LEED certification for the 9,000 square foot building, which is slated for completion in 2009.

See also: [KU press release](#)

15. [Los Angeles CC District Implements Waste Reduction Program](#)

The Los Angeles Community College District (CA) has begun an initiative to reduce the amount of furniture and equipment that it sends to the landfill. The LACCD has started selling a portion of its PC equipment and used furniture on an online auction site or to certified waste-recyclers. The remaining items are donated to charter schools, shelters and nonprofit groups. Previously, the unwanted items were sent to the landfill.

16. [UW Eau Claire Group Sells Book to Fund Green Initiatives](#)

A University of Wisconsin, Eau Claire professor, with help from several staff and students, has written a Christmas book with an environmental message. The foreign language department translated the book, and art and design students designed the illustrations. \$10 from each "Riding with Santa" sale will be used to support sustainability efforts on campus.

17. [SUNY Delhi, Carteret CC Decorate Holiday Tree with LED lights](#)

The State University of New York at Delhi has decorated this year's holiday tree with recycled items, LED lights, and old ornaments that would have been thrown away. A group of SUNY Delhi faculty members are currently working to power the tree with a photovoltaic array. Likewise, Carteret Community College (NC) trimmed its holiday tree with 400 multi-colored LEDs and gave a theme to the initiative, "Tis a Green Christmas" to provide awareness about products that are sustainable or reduce energy usage.

See also: [CCC article](#)

18. [Emory U Completes Building Energy Competition](#)

Emory University (GA) has completed its second annual building energy competition. The Black Student Alliance House won the competition by reducing its energy use by 31.85 percent. The BSA will receive a \$1,000 prize from Emory's Office of Sustainability.

19. [Humboldt State U Wins Water Management Solutions Grant](#)

A team of Humboldt State University (CA) faculty and graduate students has won a \$620,000 federal grant to develop water management solutions in the face of soaring population growth and rapid changes in water and land use in the rural West. Scientists and students will develop quantitative

models of ground and surface water flows and identify physical, economic and regulatory mechanisms to foster conservation and efficient water management on developed land. Based on this research, they will provide planners, decision makers and stakeholders with findings about the watershed's hydrologic system and alternative conservation strategies.

20. [U Idaho Receives Environmental Summit Excellence Award](#)

The University of Idaho McCall Outdoor Science School (MOSS) received the Idaho Environmental Summit Excellence Award for 2008. The award recognizes long-term dedication to environmental excellence and achievement.

21. [Emory U Announces Winners of its Sustainability Grant Program](#)

Emory University (GA) has announced the winners of its Sustainability Grant Program, an initiative that awards grants to students, faculty, and staff for creative plans to promote sustainability on campus. This year's grants will fund the expansion of Emory's educational food garden, research project to study the factors that lead to the purchase and consumption of organic and sustainable foods, and a campaign that aims to make it easier to practice sustainability in more than 11 departments at Emory.

Kettering University

[Home](#) > [Visitors](#)

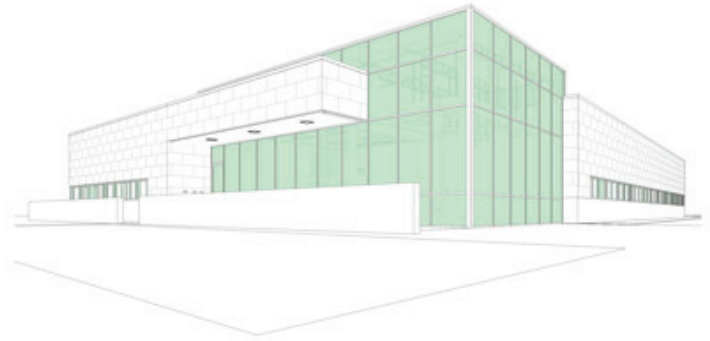
News and Information about Kettering



Nov. 21, 2008

Breaking ground in many ways

The SHW Group's Detroit studio will design the new Science and Technology Incubator at Kettering University, in Flint, Mich. The incubator is the first building in Kettering University's Technology Park and will be the first seeking LEED certification in Flint, according to the U.S. Green Building Council (USGBC).



"The mission of Kettering's new Science and Technology Incubator is to provide resources and opportunities to encourage and grow high-tech entrepreneurship as a core strategy for the economic development in mid-Michigan," said Kettering University President Stan Liberty.

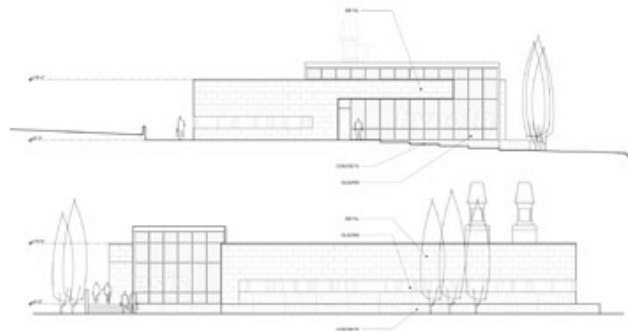
"This mission also supports the University's direction for the development of an entrepreneurial culture through not only educational programs but also faculty and student spin-off commercialization opportunities," Liberty added.

Slated for completion in 2009, the 9,000-square-foot, stand-alone structure will be located on Bluff Street overlooking the Flint River and is orientated to anchor the future park as it looks back to the main Kettering campus, just east of the corner of Chevrolet Avenue and Bluff Street.

As Kettering Technology Park's first building, the project sets the direction for infrastructure, building materials, planning flexibility, and tenant adaptability for future facilities.

It also establishes a benchmark for LEED certified construction in Flint. LEED Certification is the nationally accepted standard for the design, construction, and operation of high-performance green buildings.

It promotes a whole-building approach to sustainability by recognizing performance in five key areas of human and environmental health: sustainable site development, water savings, energy efficiency, materials selection, and indoor environmental quality.



SHW Group designed the facility to be divided into public and private functional space, each supporting scientific and technologically-based 'start-up' companies that need dedicated laboratory space during their first three to four years of business.

Amenities in the public space include a business center, furnished executive and administrative offices, a conference room with high-tech audio/video systems, a café vending and seating area, and a reception area. The private space

will be home to six state-of-the-art wet and dry research laboratories. Each lab will be approximately 700 square feet and designed for easy division and addition.

Kettering's Technology Park is home to Michigan's Region 6 Small Business and Technology Development Center™, a program funded by the U.S. Small Business Administration to enhance Michigan's economic well-being by providing counseling, training, research and advocacy for new ventures, existing small businesses and innovative technology companies.

About SHW Group

SHW Group is one of the world's largest educational architecture and design firms, as ranked in the BD World Architecture's 2008 *The Big List*. More than just an architecture firm, the company is known for its comprehensive collaboration with educators, cognitive researchers and strategic planners to design innovative facilities that support the learning process. Founded in 1945, SHW Group has grown to over 400 employees and seven studios nationwide. For more information, please visit www.shwgroup.com.

Information provided by SHW Group and Kettering University

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