



NJHEPS February 2006

NJHEPS

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From the Executive Director, John Cusack

These past few weeks have been very exciting. Much is happening in the world of sustainability, especially as it relates to higher education. For example, the national-level Association for the Advancement of Sustainability in Higher Education (AASHE) has been formed, with a kick-off national conference scheduled for 5-7 October at Arizona State University. I have been asked to serve on the AASHE Steering Committee as the regional director for New Jersey, and NJHEPS member institutions will have access to AASHE through their NJHEPS membership.

Another interesting event in sustainability was the publishing of the list of top 10 universities and colleges that purchase renewable power. University of Pennsylvania won the top prize with over 40 MWH purchased in 2005 (10% of their electricity use), and the top 10 schools purchased from 4% (Penn State) to 100% (Western Washington University) of their electricity in renewable form. Unfortunately, no New Jersey institution made the top 10 list- I hope we can change that for 2006! Finally, I recently had the honor of being asked to represent NJHEPS and be a participant in a recent workshop sponsored by the Association of College and University Housing Officers-International (ACUHO-I) on the 21st Century Project.

This Project is a collaborative effort to create a prototype design and guidelines for green, sustainable, and flexible residence halls for the 21st century student and higher education institution. Over 100 people

gathered for three days in Chicago, including students, residence directors, student life vice presidents, heads of facilities, architects, deans, academic affairs VPs, provosts, and even 2-3 presidents, to hash out what these criteria could be, and what the residence hall of the 2000's could look like. A report on the meeting's results and conclusions will be issued within a few months by ACHUBO-I, and when I receive it, I will distribute it to all our NJHEPS member institutions, as I am sure you will find the Project's results interesting.

Important issues addressed in Chicago included the needs of students, key elements of the campus experience, how to get commuter & distance learning students involved in campus life, and how sustainability issues interact with many residence life decisions, ranging from transportation/parking to food services and multiuse developments. Some interesting sustainability factoids that arose in the discussions included that the largest user of electricity in California is the University of California system (with the data from our GHG emissions reduction project, I hope to see how NJ's schools collectively rank as electricity users in our state!), that a recent survey said that 71% of students were willing to pay additional fees if they involved implementing sustainability concepts, and at least 250 campuses have sustainability coordinators or offices of sustainability (over 500 have campus-wide sustainability/environment committees). The good news is that the list of campuses with green, sustainable



John Cusack, Executive Director

or LEED-certified buildings is growing rapidly- the bad news is that the majority of new residence halls in planning or under construction are still not LEED certified, and many are designed without green features that could lower future operating costs and enhance the student's residence life experience.

So we have a lot of work to do, both here in New Jersey and in the nation. One way NJHEPS is trying to promote change is by encouraging that the \$2b+ NJ Higher Education Facilities Bond Act recently proposed by the New Jersey President's Council require that all buildings built under this bond act meet LEED standards and/or be LEED-certified. The NJPC has discussed this proposed bond act directly with Governor Corzine, and he promised to look for ways to try to get it done, despite the difficult financial times in state government.

As always, please feel free to contact me with any questions or comments.

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NWF Campus Ecology Teleconference Series:

- February 23 - 2:00pm - Ecological Building Design: New & Existing Buildings
- March 30 - 2:00pm- Renewable Energy
- April 27 - 2:00pm - Habitat Restoration
- Talk with experts and others working on campus sustainability projects.

For more information contact: Kristy Jones at 703-438-6262 or jonesk@nwf.org.



Women in Architecture, Past, Present, and Future



NJIT's Murray Center for Women in Technology.

Wednesday, March 1st
2:30 pm—4:00 pm
Weston Hall, 2nd Floor Gallery
School of Architecture, NJIT

NJIT's Murray Center for Women in Technology is celebrating it's 10th anniversary at NJIT by hosting a panel discussion celebrating Women's History Month at NJIT.
Moderator:

- Professor Gabrielle Esperdy, NJSOA
Panelists:
- Jan Bishop, AIA HOK

Architects

- Heidi Blau, AIA FXFowle Architects, PC
- Susan P. Bristol, NJSOA
- Annie Coggan, Coggan + Crawford Architecture Design
- Georgeen Theodore, Interboro Partners & NJSOA
- Beverly Willis, FAIA
Beverly Willis Architecture Foundation

*Reception to follow

Sponsored by the NJ School of Architecture & the Murray Center for Women in Technology.

For more information contact Prof. Esperdy at eperdy@njit.edu.

"The nation behaves well if it treats the natural resources as assets which it must turn over to the next generation increased, and not impaired in value."

- Theodore Roosevelt

Ramapo to Host Solar Ovens Event

Ramapo College of New Jersey is going to host at Solar Ovens International event on April 6, 2006. The fundraiser will include a solar-cooked lunch (hot dogs, chicken) and then a lecture / presentation on solar oven technologies and role in developing countries.

The organization will be also be doing some promo work in the greater NYC area early – mid April.

They will be towing a HUGE solar oven, big enough to serve the needs of a school or orphanage, and also smaller, house-hold size solar ovens to Ramapo for the Event.

Paul Munsen, the founder of the organization, is very interested in working with schools and organizations to publicize the need for solar ovens in developing countries, and to show groups how they work.

Anyone else interested in having such an event/presentation, please contact Paul Munsen at: 800-408-7919 / 630-208-7273 or paul@sunoven.com
Website: www.sunoven.com.

Please RSVP with Carmela Federico via phone, (201) 684-7500, ext. 6227; or e-mail, cfederic@ramapo.edu

TCNJ's Energy Conservation Awareness Program



Members of TCNJ's Facilities Department

The College of New Jersey has developed an Energy Conservation Awareness Initiative to help mitigate the unprecedented escalation in energy prices that has occurred globally in recent months. The College anticipates an increase of \$2.5 million for energy related operating costs during this fiscal year alone. As we face this challenge, we are calling upon our campus community to support a campus initia-

tive titled "Knowledge is Power" by implementing simple changes in energy utilization behaviors that can positively affect operating costs, and the environment, while relieving some pressure on institutional resources. We have identified four major awareness components of this program below, but many other opportunities for energy conservation are detailed on the College's new energy conservation

awareness website, <http://www.tcni.edu/energy>.

Please read the full article and feel free to contact

Lori Winyard with any questions/comments at 609.771.2353



Sustainability in New Jersey; A Summit for Educators

Friday, March 31st
9 am to 3pm
Frist Hall, Princeton University

NJHEPS has been working on developing web quest modules funded by NSF over the last year and a half. NJHEPS would like to invite educators, students, and all of those interested in attending the unveiling of the NJHEPS web quests that educators can use in their classes.

Speakers addressing the critical issues in sustainability within in

New Jersey on the following topics:

- The Meadowlands
- The Highlands
- Renewable Energy
- Sustainable Communities

Speakers will be announced soon! All attendees will receive the Scott Dennis DVD on Building a Meadowlands.

Please confirm your attendance with Terra Meierdierck at (973) 642-7848 or tmeierdierck@njheps.org

This project has been supported by NJHEPS and The National Science Foundation.



This project was funded by the National Science Foundation.

NJHEPS Spring Green Design Workshop

Tuesday, April 18
9 am to 3pm
New Academic Building,
Montclair State University

NJHEPS and Montclair State University will be highlighting the new Academic Building at MSU this Spring and hosting the Annual Spring Green Design Workshop on April 18th at MSU.

Speakers and Topics include:

- Walter Kanzler, Montclair State University
- Daniel Harazim, S/L/A/M Collaborative
- Michael Buono, ESMG
- The Dome—Tech Group
- Post Construction Charette

Please register via Acteva:

<http://www.acteva.com/booking.cfm?bevaid=105718>

This event is Co-Sponsored by the NJ USGBC.

We hope to see you there!

*"The ultimate test of a moral society is the kind of world that it leaves to its children."
- Dietrich Bonhoeffer*

NJHEPS Spring Energy Workshop

Friday, May 5
8:30 am to 3 pm
Rutgers EcoComplex

Workshop Schedule:

8:30 – 9 Breakfast and Welcome from Rhea Brekke and John Cusack

9 – 9:30 Rowan Energy Master Plan: featuring Concord Engineering and AJL Resources

9:30 – 10 Aquifer Thermal Storage at Richard Stockton College of New Jersey: Lynn Stiles

10 – 10:30 Thermal and Ice Storage: Ted Borer and Ken Olsen

10:30 – 11 Campus Environmental and Energy Conservation: Carmine Battafarano, Burns & Roe

11 – 11:30 RECS: Joe Sullivan and Guest Speaker

11:30 – 12 Nuts and Bolts

12 – 1 Lunch

1 – 2 Biofuels

2 – 2:20 New Jersey Hydrogen Learning Center Update

2:20 – 3 Tour of the Rutgers EcoComplex!

Please register at:

<http://www.acteva.com/booking.cfm?bevaid=101805>

We hope to see you there!



The Rutgers EcoComplex Conference Room.



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transform the higher education community, to consistently practice sustainability, and to more effectively contribute to the world's emerging understanding of sustainability, through teaching, research, outreach, operations, and community life.



www.njheps.org

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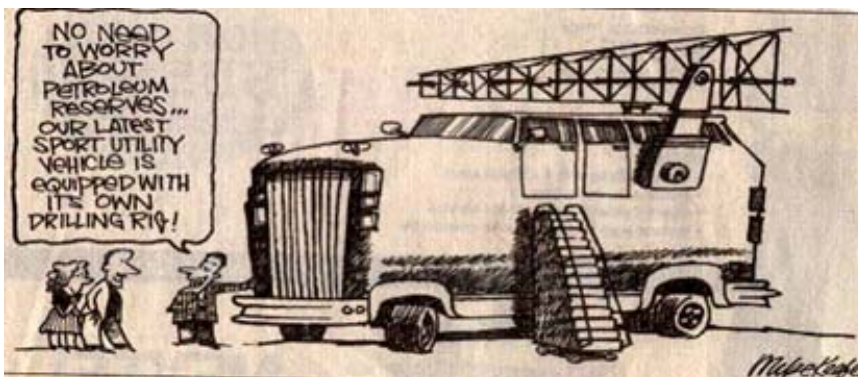
Want to share progress towards sustainability on your campus? Please send news items to Terra Meierdierck (973-642-7848; tmeierdierck@njheps.org) for inclusion in our newsletter.

This newsletter is available online (from www.njheps.org/press.html). This newsletter is sent out monthly by NJHEPS via an announcements-only listserv, NJHEPS-news@listserv.njit.edu. If you no longer wish to subscribe to this listserv, please use the tools available on the listserv's home page, at http://listserv.njit.edu/mailman/options/njheps-news/* (replace the "*" with your email address), or notify [Terra Meierdierck](mailto:Terra.Meierdierck), NJHEPS Research Analyst.

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Cartoon by Mike Keefe



NJHEPS Sponsors Globalcon 2006

Decision makers from business, industry and government must now seek integrated energy solutions — solutions which assure both a secure and affordable power supply, and effective management of both energy and overall operational costs. Globalcon 2006, presented by the Association of Energy Engineers, is designed specifically to facilitate those who need to get up to speed on the latest developments in the energy field, explore promising new technologies, compare energy supply options, and learn about innovative

and cost-conscious project implementation strategies. The multi-track conference covers a variety of topics, and gives you the opportunity to hear first-hand from some of the major players in the energy field. The Globalcon Expo will emphasize four critical areas of leading edge technology and related services:

- HVAC and Building Systems
- Lighting Efficiency
- Combined Heat & Power /

Distributed Generation

- Plant and Facilities Management

NJHEPS would like to encourage their member institutions to take advantage of the knowledge available at this event. NJHEPS along with the NJBPU, the NJ Clean Energy Council and others are sponsoring this event to help make this learning experience possible. Please see: www.globalconevent.com/ for registration and further information.



This years Globalcon Conference is being held on March 29—30, at the Pennsylvania Convention Center