



NJHEPS September 2006

NJHEPS

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News from the Front Line of Sustainability: Executive Director, John Cusack

As the summer nears its end, lots of exciting things are happening at NJHEPS and out member institutions. We are especially proud to announce the signing of a new grant agreement with the Clean Energy Program of NJBPU, entitled "New Jersey Clean Energy Education and Outreach Grant Program: Continuous Improvement in Energy Efficiency, Renewable Energy and Energy Education in New Jersey Higher Education and Beyond". This contract, extending through 31 July 2007, will allow NJHEPS to continue our work with higher education institutions on assisting campuses with Energy Planning Meetings on-campus, scheduling a meeting with the CFO's of NJ higher education institutions to discuss the new NCUBO book (of which NJHEPS was a Lead Sponsor, with funding from NJBPU) on the "Business Case for Renewable Energy, a Guide for Colleges and Universities", disseminating information on clean energy best practices on our website/newsletters and in seminars/workshops, continuing to highlight NJ's national leadership position on Clean Energy, and providing seed money for "mini-grants" of about \$5,000 each to a number of NJ colleges and universities for innovative projects that promote clean energy & a clean environment by improving energy-efficiency, reducing greenhouse gas emissions, and encouraging the use of clean renewable energy (and especially NJ CleanPower Choice renewable energy!). NJHEPS will be posting on our website and distributing to our campus NJHEPS liaison coordinators a document describing the goals, procedures and deadlines for the NJHEPS Mini-Grant program within the coming weeks, so be on the lookout for that information. Priority will be given to Mini-grant proposals that actually lead to quantifiable energy use reductions, greenhouse gas emission reductions and/or purchase of renewable energy on campuses in New Jersey, and have matching funds from the college/university making the submittal (or from third parties working with that college/university on the project). Special thanks to Anne Marie

McShea at NJBPU, who will be our BPU Project Manager, in getting this contract signed and started.

In August, Terra Meierdierck and I also participated in a planning meeting for the conference on sustainable jobs in a sustainable economy that St. Peter's College has scheduled for 25 April 2007- NJHEPS will be a co-sponsor of this event. We should also congratulate St. Peter's for starting a College-wide sustainability committee, and welcome to New Jersey the new Sustainability Coordinator at Princeton University, Ms. Shanna Weber. We also had our NJHEPS interns working diligently on revising our NJHEPS website (to be re-launched soon!) and assembling data from our member institutions on various NJHEPS projects, such as our 1990-2005 GHG emissions reduction commitment and our survey of whether NJHEPS' member school endowments used social or environmental investment criteria to guide the endowment's investment decisions.

Other exciting NJHEPS' happenings include, just in September alone, co-sponsoring the Fairleigh Dickinson University's Institute for Sustainable Enterprise/Center for Human Resource Management Studies breakfast seminar on 15 September featuring Ray Anderson, the CEO of Interface Inc., co-sponsoring (and having an exhibit at) the BPU Clean Energy Conference in New Brunswick on 18 September, co-sponsoring on 27 September a boat tour for faculty and students of the Meadowlands Research Institute as part of our work for NSF on developing Webquest sustainability seminars for NJ faculty, and participating in the national "Focus the Nation" Climate Change conference at Middlebury College on 30 September. We are also working with the EP Henry company on their NJ renewable building products seminar on 22 September in Wrightstown NJ, serving as a co-sponsor and exhibitor at the World Energy Engineering Congress in Washington DC on 13-14



September, attending the NJ Clean Air Council meeting on 13 September, the launch of the national Apollo Alliance program on 19 September, and Congressman Rush Holt's NJ Environmental Leaders Day in Washington DC on 14 September, and I am moderating a Roundtable on Climate Change and Investment at the "Green Mountain Summit on Investing Responsibly" on 12 September.

In October, NJHEPS will be well-represented at the first national conference of the Association for the Advancement of Sustainability in Higher Education (AASHE) at Arizona State University in Tempe AZ on 4-6 October, where I will be giving a paper on NJHEPS activities, including our WebQuest sustainability seminar development funded by NSF, and our work spreading the word at NJ colleges/universities about BPU's NJ CleanPower Choice Program. A number of NJ higher education institutions are sending representatives to this unique event. We also will be sponsoring a meeting of the NJHEPS Steering Committee on 20 October, followed by a NJHEPS Climate Change seminar that same day (both at a location to be determined), as well as NJHEPS Green Design and Energy team meetings in October.

In November, we will be participating in the Northeast Campus Sustainability Consortium (NECSC) annual conference at Yale on 2-3 November, the American Council on Renewable Energy (ACORE) Policy Conference on 29-30 November and speaking about NJHEPS at the Hud-

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son Valley Sustainability Consortium at SUNY-Purchase on 17 November. December will see both NJHEPS Energy and Green Design Workshops. Of course we will have our usual participation representing NJHEPS at meetings this fall of the NJ Sustainable State Institute, the NJ Corporation for Advanced Technologies and the New Jersey Presidents Council, and continue to push NJHEPS members to become participants in the US EPA Green Power Leaders program.

Again, I welcome your input and suggestions about NJHEPS and what we can do to serve our members better. Our small dedicated team is very busy with all the activities and meetings underway or planned, but we always have time to listen to your comments and thoughts. Have a great Labor Day weekend, a wonderful start to the fall semester!



EPA Offers Sustainability Grants to Teams of College Students



a student design competition for sustainability

The EPA's 4th Annual P3 Competition

The U.S. Environmental Protection Agency plans to award up to \$1.25 million in grants to teams of college students under the People, Prosperity and the Planet competition (http://es.epa.gov/ncer/rfa/2007/2007_p3_4thannual.html). Applications are due by December 21.

EPA will award as many as 50 grants up to \$10,000 each to student teams to research, develop and design scientific and technical solutions to sustainability challenges that protect the environment while achieving continued economic prosperity. The money will be used to research and develop sustainable solutions during the 2007-08 academic year.

In spring 2008, the teams will be invited to bring their designs to Washington, D.C. to compete for EPA's P3 Award, which includes an additional award worth up to \$75,000 to further develop and implement the project in the field.

The competition will be judged by the National Academy of Engineering for design innovation and technical merit along with relevant social, economic and environmental considerations that are the keys to sustainable designs.

The P3 competition is open to teams of students attending colleges, universities and other post-secondary educational institutions.

Interdisciplinary teams are strongly encouraged, including representatives from multiple engineering departments and/or departments of chemistry, architecture, industrial design, economics, policy, social sciences, business, communication, etc.

Several previous winners have already taken their innovations to new levels - including starting successful businesses, winning additional awards, and improving the quality of life in the United States, other developed countries plus those that are developing.

For application procedures and other information, visit the P3 competition webpage.

"The road of excess leads to the palace of wisdom."

-William Blake

2 New Institutions Join NJHEPS!

This fiscal year two new institutions embraced sustainability by joining NJHEPS, The Rabbinical College of America and Gibbs College.

The Rabbinical College of America is one of the largest Chabad Lubavitch Chasidic Yeshivas in the world. The Yeshiva is located in Morristown, New Jersey and has trained hundreds of young Lubavitch rabbis. The Yeshiva is supported by some of the

wealthiest Jewish philanthropists such as David Chase, Ronald Perelman and Ronald Lauder of Estée Lauder Inc. The Yeshiva is under the direction of Rabbi Moshe Herscovici.

Licensed by the New Jersey Commission on Higher Education, the Yeshiva grants a four year Bachelor's Degree in Religious Studies accredited by the Association of Advanced Rabbinical and Talmudic Schools.

The Gibbs Colleges and the Katharine Gibbs Schools offer career preparation through associate degree and certificate programs in several areas including allied health, business and casino operations, criminal justice, computer technology, design and office administration. From their earliest days, the Katherine Gibbs Schools were known for their excellence in preparing women for the workplace.

Wind Power Lights Up Statue of Liberty



As of June, Lady Liberty's torch will be 100% wind powered. The U.S. General Services Administration (GSA) has contracted to buy renewable energy certificates to supply the Statue of Liberty, Ellis Island and several other GSA-owned federal facilities in northern New Jersey.

The three-year contract calls for Pepco Energy Services to supply an estimated 27 million kWh of

wind-based renewable energy certificates to GSA. The purchase is equivalent to 10% of the electricity used at these facilities.

"Pepco Energy Services feels patriotic and proud to support the National Park Service and the General Services Administration in providing affordable environmentally friendly energy for these national monuments and treasures," said Ed Mayberry,

president and CEO of Pepco Energy Services, "and it is an honor to assist Lady Liberty in keeping the torch shining."

Pepco Energy Services also supplies green energy to several other government agencies located, including the U.S. Department of Agriculture, the Department of Labor, the Department of Transportation and the U.S. EPA Headquarters.



World Energy Engineers Congress

September 13-15, 2006
Washington Convention Center,
Washington, DC

The WEEC celebrates its 29th year as the most important energy event of national scope for end users and energy professional in all areas of the energy field. The WEEC features a large, multi-track conference agenda, a full line-up of seminars on a variety of current topics and a comprehensive exposition of the market's most promising new technologies, including, but not limited to:

- * Renewable and alternative energy
- * Combined heat & power
- * Lighting efficiency

- * HVAC systems and controls
- * Integrated building automation & energy management
- * Thermal storage and load management
- * Boilers and combustion controls
- * Geoexchange technologies
- * Solar and fuel cell technologies
- * Applications specific to federal energy management programs
- * Energy services and project financing

AEE has developed a new section of the program known as FEM-Works 2006. This special multi-track portion of the WEEC conference will include a comprehensive series of workshops for federal energy managers. The "high per-

formance facility" is an important focal area of the 2006 WEEC, with presentations and exhibits covering green building design and retrofit; LEED certification and building commissioning; indoor air quality in buildings; water conservation; efficient roofing systems; operations and maintenance improvement; security system integration; and fire protection/safety. Other features for 2006 include a free technology workshops held in the exhibit hall, and several free tours of local energy installations of interest.

*This event is partially sponsored by NJHEPS.



This year's World Energy Engineering Congress is being held in Washington, DC

"Tour De Fat", Enviro-Friendly Tours Livin' Large with Biodiesel

Boating and beer. This may sound like your upcoming Labor Day weekend, but it also refers to some unique tours running on biodiesel. The Earthrace boat is currently on a promotional tour in the U.S., as New Belgium Brewery continues on its annual "Tour De Fat" tomorrow.

The Earthrace boat from New Zealand is running on pure biodiesel and next year attempting to break the speed record for

circumnavigating the globe. Earthrace is open to the public in the respective cities it visits. Its 18-month program includes 60 international cities, raising awareness about the sustainable use of resources and of course, going for the record. Earthrace would also meet the additional feat of breaking the circumnavigation record on biodiesel, the first time in history that a powerboat has attempted this using renewable fuel.

Visitors can see the boat and talk to the crew from 10am - 5pm on each day of the promotional tour leg. Today the boat is to be in Santa Cruz, Calif. Earthrace.net has been posting daily updates; check it for available city visits and dates.

"Action is the foundational key to all success."

- Pablo Picasso

NJ Clean Energy Conference

September 18, 2006
Hyatt Regency, New Brunswick

The New Jersey Clean Energy Conference brings together over 400 leading energy professionals to learn, network, and discuss the issues shaping the energy market in general and the New Jersey energy market in particular.

This conference provides an

excellent forum for state business leaders to learn more about the economics of renewable energy and energy efficient technologies and how to hedge against rising energy costs. As gasoline and fossil fuels costs grow, so do opportunities for New Jersey's business community to leverage the financial and environmental benefits of clean energy. The conference focuses on timely issues that affect both

your business and our future!

- * Energy Project Financing
- * Energy Efficient Building Design
- * Energy Procurement & Pricing Renewable Energy Certificate (REC) trading

www.njcleanenergy.com/conference/index.html





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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.



NJHEPS

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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.

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and [NJHEPS 40+ Member Institutions](#)

Cartoon by Hiroshi Takatsuki



Note: A new definition: "Human beings are animals which generate garbage"

Energy & Atmosphere Training Workshop

September 20: 8:30—4:30
PSE&G Training Center, Edison

While the Energy & Atmosphere (E&A) category offers the largest number of points in the LEED™ Green Building Rating System, many project teams prefer to pursue other points. There seems to be a pervading perception that E&A points are harder and/or more expensive to achieve.

To address this need, the USGBC-NJ Chapter has brought together a fantastic roll up the sleeves pro-

gram. This day long workshop will include tools introduced by ENERGY STAR for New Construction, the GREEN Building Studio Energy Simulation Program, and Green Charrettes ... and then some. All of these topics are applicable to pursuing ENERGY STAR Certification and points in the LEED E&A Category.

Trainers include:
* Karen Butler – Director, ENERGY STAR New Commercial Construction
* Steve Jurovics – Senior Engineer

– Cadmus Group
* Gail Lindsay – Principal – Design Harmony
* John Kennedy – President – Green Building Studio

participants receive: 6 AIA HSW Credits & 6 non AIA CEUs

Please register at:
www.acteva.com/booking.cfm?beva_id=115708

Any questions, please contact:
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