



NJHEPS

January 2009

From the Executive Director:

One of the great joys of being Executive Director of NJHEPS is I get to meet a lot of fascinating people, and see ways they are implementing sustainability in unique and interesting ways. For example, I was asked to give a presentation on “the Next Big Sustainability Risk/Opportunity- Water” at the 8th International Business & Economy Conference, sponsored by a number of business schools around the globe, and held last week at the Advent Institute of Management Studies in Udaipur, India. The 150 attendees were from over 15 different countries in Asia, Europe, North and South America, and it became apparent that sustainability issues are rapidly growing as a business concern around the world, both in practice and in the need for further research. In fact, the Institute had recently started a new Journal of Management Studies, and two of the first volume’s 12 articles, one on Climate Change and one on Corporate Social Reporting Practices, were on sustainability issues.

The welcoming keynote speaker was the Honorable Shriji Arvind Singh Mewar of Udaipur, who was the 76th generation of his family to be the leader of the people of Mewar, one of the ancient kingdoms of India (he is still referred to as “King” by the local people, even though the Indian Government eliminated royal titles a few years ago). He pointed out that his family did not hold such a leadership position since the 12th century without being a good steward of their people and their resources, and embracing change, rather than fighting it. He said that Indians today need to be global citizens,

while still keeping their values and culture, and thus still keeping what makes them Indians. He said India and its businesses must take the lead on sustainability issues, and not be afraid to embrace the changes need to protect both their environment and their economy as good stewards should do. What a great way to kick off a discussion on sustainability and business!

We also had the opportunity to stop in Mumbai, and meet the leader of a woman’s college called M.D. Shah Mahila College of Arts and Commerce, Mrs. Deepa Sharma. She leads a 4-year private college with 8,000 students who learn not just about business, Information technology, accounting and marketing, but also about how to build confidence in themselves and be empowered as woman to contribute to society and business. Many of the students come from poor families in which they are the first to attend college, and struggle to pay the \$200 per year tuition. What magic sustainability strategy does Deepa Sharma use to prepare her students how to address the social, environmental and economic issues in their communities and society? She uses the principles of Total Quality Management, Quality Circles, Kaizen, Six Sigma and Continuous Improvement to get students, faculty and administrators to work together to improve the schools operations, curriculum and facilities, and provide assistance to local community organizations.

In the Quality Circles, faculty and students alike speak up about how to make the process of teaching more

effective and efficient, which has saved valuable time and resources, identified needs & improvements, and given students a leadership role and sense of ownership in their own education. Mrs. Sharma participates in every Quality Circle meeting, to show how important she feels this approach is to the future success of the college, and of its students. It must be working, as an extremely high percentage of the students graduate and become useful part of India’s economic growth story. How many US institutions of higher education have improved their educational methods and empowered students this way? Not many, as far as I know.

So I went on this trip to India, thinking I was going there to teach people about our great American and New Jersey sustainability practices in business and higher education, and instead came home humbled and realizing that I had probably learned much more from the trip than I had taught in my presentation. Such is the nature of sustainability and education that we need to open our minds to new ideas continuously, and realize that our American higher education system must embrace change to become more effective and efficient, and improve our quality, while retaining our basic values and culture. If we don’t, our higher education system will not last 7 generations, no less the 76 generations of the reign of the royal family of Mewar.

New Law Helps Buildings Go Green

Public buildings that can't go green because they lack the green to pay for the work have a new way to finance these projects through a law enacted yesterday.

Hailed as a way to get more New Jerseyans back to work, the program was designed to help public entities make their buildings more energy efficient while saving taxpayers the expense of the work and the energy inefficiencies. "Towns, schools, counties and public colleges can now become more energy efficient and save money when they retrofit their buildings and enter into long-term energy contracts with no additional costs," Gov. Jon Corzine said.

Some 15 years in the making, the Energy Savings Improvement Program allows public entities to contract with energy savings companies in lease-purchases. Under the arrangement, the energy companies would front the money for the work and the public entity would pay the debt over time through the savings. A third-party contractor would conduct an audit of the building to identify and recommend potential energy savings projects. The work could range from installing motion-detector sensors for lights to installing more efficient boilers for heaters.

Corzine said that in some cases, public entities would be able to build their own cogeneration plants and sell the unused electricity back to the electric companies. The program would apply to public buildings such as hospitals, police stations, public colleges, schools and municipal buildings.

Jeff Tittel, director of the New Jersey chapter of the Sierra Club, said the law doesn't go far enough. The state would have to extend a similar program to private citizens to get a shot at an estimated \$150 billion in federal funds earmarked for the creation of green-collar jobs, he said. "It's a nice small step, but they're missing the bigger picture," Tittel said.

LAST CALL : NJHEPS FY09 Mini Grants

The New Jersey Higher Education Partnership for Sustainability (NJHEPS) has received funding from the NJ BPU Clean Energy Program to fund a number of clean energy-related mini-grants in the range of \$2,000 to \$5,000 to support New Jersey higher education campus and multi-campus clean energy projects. This critical

strategy provides small grants of seed money to help initiate and implement innovative energy projects that provide real cuts in greenhouse gas emissions and/or result in the implementation of renewable energy projects on New Jersey campuses, The

actual number of grants and the amount given will differ depending on NJHEPS staff decisions on each proposal. The kinds of proposals sought could range from performing building energy audits, to organizing bio-diesel trials, to setting up a contest between campus dorms to see who can be the most energy efficient and reduce

GHG emissions. We welcome creative approaches, and teaming partnerships between campuses and institutions. Do to the small nature of these grants, we also expect that proposals will itemize matching and/or follow up funding (or other allocation of resources) from the submitting institutions to ensure that projects are fully implemented, and do not become another "report stuck on a shelf". The ability to calculate energy saved and/or greenhouse gas emissions reduced will be a key metric in the mini-grant selection process.

Please send all submissions by January 30th, 2009 addressed to: John L. Cusack
Executive Director NJHEPS c/o NJIT—YCEES 138 Warren Street, Newark NJ 07102 Please submit the proposal in electronic form (Word or PDF documents please) to the following address: jcusack@njheps.org With a copy to: TMeierdierck@njheps.org If you have any questions, please free to contact John Cusack or Terra Meierdierck. Good Luck!

BuildingEnergy 09

Now in its 34th year, NESEA is proud to present BuildingEnergy09, bringing together the professionals and decision-makers who shape the practice of sustainability. Nearly 200 of the country's best presenters will define the leading edge of smart building, energy efficiency and renewable energy. Successful retrofit and new construction projects demand the best tools and solutions. The whole systems approach to sustainability that BE09 embraces will give you a competitive edge in a growing market. Recommended for architects, engineers, builders, building systems designers and owners, facility managers, developers, investors, real estate professionals, municipal & building code officials, sustainability coordinators, policy makers, planners and students.

Register now : www.buildingenergy.nesea.org

Events

Don't Just Save Money. Generate Guaranteed Revenue from Energy Efficiencies.

January 29, 2009 - 9:00am-12:00pm
The Trustees Pavilion - Ramapo College
505 Ramapo Valley Road, Mahwah, NJ

Energy management and efficiency programs can not only save you money, but earn your institution guaranteed revenue. Colleges and universities in New Jersey can participate at no out-of-pocket cost, while contributing to the reliability and stability of the electrical grid. Learn how to further monetize some of the efficiencies you have already put in place as well as those you may have planned. These programs are sponsored by PJM Interconnection, the regional transmission organization that oversees the electricity grid in New Jersey.

9:00am Continental breakfast

10:00am Welcome and introductions Fred Brody, President, Brody, Inc.

10:15am Demand Response Revenues for your Campus and the State of NJ Incentives Available
Jeff Hecht, Account Executive, CPower

10:30am Ramapo College Case Study: Earning a New Stream of Revenue through Energy Curtailment:
Joseph Porrovecchio, Project Manager LEEDR Accredited Professional, Ramapo College

11:00am 360 Degree Energy Management for Colleges and Universities : Jennifer Kearney, Partner, Gotham 360

11:30am Workshop and Q&A: Experiences with Energy Cost Projections and Offsets and How to Get Started Now
Moderated by: Brad North, General Manager and Jeff Hecht, Account Executive, CPower

Register Now! www.cpowered.com/events/njseminar.php *NJHEPS is a sponsor of this event

Getting Out and Going Green - Why It Matters, What It Means

You are invited to be a part of the Alliance for New Jersey Environmental Education's 24th Annual Environmental Education Conference on Thursday, January 29, through Saturday, January 31, 2009. The conference title and theme is "Getting Out and Going Green - Why It Matters, What It Means" to be held at Princeton University in partnership with the Princeton Environmental Institute.

With increasing national and statewide attention being given by education and environmental experts to the benefits of passive play outdoors in nature and the merits of green school practices and instruction, it was only "natural" for ANJEE to assemble expertise, demonstrations, instruction and resources that focus on these valuable topics. We are delighted to offer a wide variety of workshops and sessions and thank our fine speakers and presenters for dedicating their time and expertise to this statewide celebration and exploration of environmental education.

The conference is an invaluable professional development opportunity for classroom teachers, interpreters, education administrators, non-profit staff, pre-service teachers, and other people interested in environmental education. This year, we are also offering a unique opportunity for families to participate in a program designed especially for them! Friday and Saturday workshop sessions will feature tracks focusing on elementary and secondary education content and instructional resources, green school practices and models, natural history content and instruction, community-based projects, higher education and adult learning initiatives, and more. Friday evening will feature ANJEE's annual environmental education awards program and banquet, as well as showcasing a wonderful program designed to inspire and enlighten us all.

Register at: www.anjee.net

Globalcon 2009

April 1-2, 2009 : Atlantic City Convention Center, Atlantic City, NJ

The 2009 agenda includes:

- * The cutting-edge Globalcon conference, featuring presentations by leading industry experts
- * A line-up of AEE-sponsored pre-conference seminars
- * The extensive Globalcon expo, where you can explore the latest technologies and services the energy marketplace has to offer. Free technology and applications workshops will also be presented in the 2008 exhibit hall.

Register now: www.globalconevent.com/ *NJHEPS is a sponsor of this event

Happenings

NJHEPS Winter Energy and Design Workshop

New Jersey Institute of Technology
Campus Center, Ballroom B
January 30th, 2009 - 8:30 am to 2:30 pm

8:30 – 9:00 Welcome from Paul Romano, Senior Research Architect - NJ School of Architecture / NJIT and Kohler Sponsored Breakfast

9:00 – 9:30 Doug Shattuck, NJ Clean Energy Program, SmartStart Buildings Energy Efficiency Incentives

9:30 – 10:00 Michael Wironen, Ecology & Environment, Using the “Green Ride” Ride Sharing Program in Higher Education

10:00 – 10:30 Wayne Leahy, Pepco Energy Services, Higher Education Case Studies- Reducing Energy Costs, Improving Reliability, and Upgrading Energy Efficiency

10:30 – 11:00 Mike Fischette, the Concord Group, Performance Contracts and Power Purchase Agreements in Higher Education

11:00 – 11:30 Mike Kornitas, Rutgers University, The New Rutgers Visitors Center and Solar Energy PV Array Projects

11:30 – 12:00 Soltage, Jesse Grossman, Solar Solutions for NJ Higher Education While Creating Clean Jobs in New Jersey

12:00 - 12:30 Lunch and Networking

12:30 – 1:30 Thomas J. McGeachen PPPL/USGBC - NJ, The New LEED Standards

1:30 – 2:30 Bill Bobenhausen, Sustainable Design Collaborative, Using the New LEED Standards Impact on Higher Education & NJHEPS Guidelines

****Bill Bobenhausen will provide AIA credits for his presentation****

NJHEPS encourages the use of public transportation. NJIT is located off the Newark City Subway's Warren Street stop. Parking available in NJIT Parking Lot 7.

Please Register Now: www.acteva.com/booking.cfm?bevaId=171814

USGBC - NJ's LEED for NC & MR

March 12, 2009 - 8am : UMDNJ Stratford Campus

This will be the last LEED-NC and MR Technical Review Workshop offered in NJ! Sponsorship opportunities still available. Gain the knowledge needed to maximize building performance, achieve LEED certification and take the LEED Professional Accreditation Exam. Please join us as we host the LEED NC technical review workshop in South Jersey . Continuing Education Credits provided. For this event, other USGBC- NJ events and registration information please visit : www.usgbcnj.org

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

NJHEPS GRATEFULLY ACKNOWLEDGES THE SUPPORT OF:

NJHEPS Corporate Sponsors; NJ Natural Resources; New Jersey Board of Public Utilities; New Jersey Clean Energy Program; PSEG Foundation, ATT Foundation; and NJHEPS 40+ Member Institutions

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