



# NJHEPS

# October 2009

*From the Executive Director:*

It has been an exciting fall semester for NJHEPS. We ran a great Climate Change Summit at Ramapo College on 25 September, with a balance among the 130 attendees of people from facilities staff, faculty, students, industry and others interested in climate change management in higher education. It seemed that almost everyone I spoke to afterwards said that their favorite part was the "Presidents Panel", including the presidents themselves! I had the opportunity to thank personally 3 of the 4 participants who attended the monthly NJ Presidents Council meeting on 19 October at Rutgers, and they all said they enjoyed hearing about what other schools were doing, and that they were energized by the enthusiasm in the audience from the questions they were asked as part of the panel, and afterwards. They all promised to both cooperate and compete on solving the climate change issue, starting with their campuses as laboratories for research and education on the issues. I believe that we all went home with a greater appreciation for the challenges and opportunities presented by climate change, and higher education's key role in resolving the issue.

Meanwhile, if you saw Terra and myself after that event moving a lot of cardboard boxes from our cars, it wasn't that we were having a tag sale after the Summit- we were moving NJHEPS' possessions (mostly files from our decade of existence) into our temporary offices on Ramapo's campus. We expect shortly to move into our new offices in the Sharp Sustainability Education Center on the Ramapo campus, but meanwhile we are enjoying getting to meet new people and old friends around the campus. Please change your computer and phone address books to reflect our new phone numbers and mailing address, as we do not want to miss out on any of your great feedback on our events and activities.

Among those activities are the forthcoming NJHEPS Clean Energy Workshop being held at Stevens Institute of Technology in Hoboken on 20 Novem-

ber and the NJHEPS Green Design Workshop at Ocean County College in Toms River on 4 December. The registration link for both of these exciting events are open, and available through the NJHEPS website. With New Jersey being a state that legally is required to make major cuts in energy use and greenhouse gas emissions by 2020 (only a decade away!), being "clean and green" is no longer an option, but a legal necessity. I am confident that our NJHEPS workshops will help provide you the information you need to be ahead of the wave, rather than being swept under the wave, over the coming years.

Another exciting event in October was the lecture I gave at Sussex County Community College (SCCC) on 19 October as part of their monthly lecture series on "Restoring Responsibility: Ethics in Today's World". It was great opportunity to speak to SCCC vice presidents, deans, faculty, students and members of the local Sussex County business community about integrating sustainability into their decision-making processes, and giving the students some advice about how to be responsible, sustainable and ethical when they leave higher education. Many thanks to SCCC President Constance Mierendorf for inviting me to speak, Vice President of Academic Affairs Kate Douglas for moderating the event and asking great questions, and Barbara Wortmann, Executive Director of Institutional Advancement, for organizing the lecture series.

NJHEPS was also represented by Terra and I at the annual BPU Clean Energy Conference on 21-22 October, at which an NJHEPS member school, Rutgers University, won the Energy Educator of the Year Award for their work on energy conservation, renewable energy and energy education- congratulations to Michael Kornitas, Energy Conservation Manager at Rutgers, who accepted the award from BPU Commissioner Elizabeth Randall on Rutgers behalf, and the entire Rutgers' energy team! We had a lot of companies,

government agency officials and other friends and interested parties visit our NJHEPS booth, and it gave us an opportunity to get across the NJHEPS story to key people across the state. It also gave us an opportunity to thank BPU President Jeanne Fox, Mike Winka, Lance Miller and the other BPU executives for their great support of NJHEPS over the years, and restate our willingness to continue to cooperate with BPU on making New Jersey the most energy efficient and lowest GHG emitter in the country, using NJ higher education as a leader in research and demonstration of new clean technology and approaches.

NJHEPS also has continued planning for future workshops for 2010, including executing over the next three years, in partnership with Kean University, the US EPA Region 2 grant signed on 29 September for NJHEPS to provide training to the nearly 400 colleges and universities throughout EPA Region 2 (NJ, NY, PR and the VI) through a series of regional workshops during each of the next three years on how to reduce energy use and greenhouse gas emissions on their campus, which will save money while addressing the serious issue of climate change. The first step in that process will be updating the NJHEPS Sustainable Building Guidelines to be applicable not just to New Jersey, but in all of Region 2. Of course we will also run our usual series of New Jersey workshops on green design, clean energy, sustainability education, sustainable purchasing and climate change management during the coming months and years.

So enjoy the World Series (no matter whom you are rooting for!), and we look forward to seeing you at our upcoming workshops and events. Also, please keep the emails coming with your great suggestions, thoughts, and ideas about how we can serve you better in the coming months.

## *Rutgers University Accepts 2009 Energy Educator Award from State*

Rutgers has been named the 2009 Energy Educator of the Year. As part of the New Jersey Board of Public Utilities' Clean Energy Leadership Awards, the annual honor recognizes a school, college or university for its efforts to improve the energy efficiency and use of renewable technologies in its facilities and for implementing specific programs and activities that include energy education and student involvement. "Education is key to building support and creating the behavioral changes needed for the future growth of renewable energy and energy efficiency," Commissioner Fred Butler of the New Jersey Board of Public Utilities said. "Rutgers' work incorporating education into their projects is a model for enhancing awareness about the many public benefits of a clean energy future."

"We are profoundly honored to receive this award," McCormick said. "I extend my congratulations and sincere thanks to the skilled and dedicated staffs in units across the university who help Rutgers fulfill its obligation to reduce waste, increase energy efficiency and safeguard our environment."

The Energy Educator Award recognizes a number of Rutgers projects and initiatives:

- Rutgers has completed a universitywide audit of lighting and will begin a five-year program to replace all lighting with high efficiency lighting and sensors. When the project is completed, it will reduce Rutgers' CO2 output by more than 23,000 tons a year, with an annual savings of more than \$5.5 million.
- Based on recommendations from a 2007 water audit on the Livingston and Busch campuses, the university has reduced consumption by 255 million gallons per year.
- Engineering professors regularly tour the university's 14 megawatt cogeneration plant.
- Students are using data from the lighting audit to do research on energy conservation.
- Rutgers Department of Facilities and Capital Planning works with the Rutgers Center for Advance Energy Systems as well as researchers from the Rutgers Energy Institute in sharing its knowledge of renewable energy projects and providing data for research.

For the full press release: <http://news.rutgers.edu/medrel/news-releases/2009/10/rutgers-university-o-20091027>

## *Saint Peter's College to be Powered by 100% Renewable "Green" Energy*

Effective beginning January 1, 2010, the electricity purchased for all buildings on the Saint Peter's College Jersey City campus will be 100 percent renewable "green" energy for a minimum of one year. Saint Peter's will be the second private college in the state of New Jersey to purchase green energy as its sole source of electricity, thereby displacing an estimated 3,065 metric tons of carbon dioxide throughout the year, which is the equivalent of planting 2,761 acres of trees or removing 7,697,000 miles of vehicle travel from roadways. "The purchase of renewable energy demonstrates Saint Peter's commitment to sustainable strategy," noted Saint Peter's College President Eugene J. Cornacchia, Ph.D., who signed the American College & University Presidents' Climate Commitment in 2008. "We look forward to identifying additional conservation opportunities and acquiring greener practices to support the College in its goal of carbon neutrality."

The green energy will be generated by 100% wind power, an attractive alternative to the typical use of fossil fuels to create electricity. The electricity generated by wind turbines prevents the contamination of air by omitting environmentally destructive pollutants. The College has implemented a number of additional green initiatives: elimination of the use of Styrofoam cups and plates on campus; competitions between residence halls to encourage conservation measures; reduction of paper for communication messages; and the sole use of non-toxic cleaning supplies throughout the campus. The College is also equipped with MINI E cars, the latest generation of 100 percent electric, zero emission vehicles for the next year, as part of BMW Group's official field trial of the environmentally savvy cars.

The renewable energy that Saint Peter's has acquired is Green-e ® Certified Energy. The most reliable renewable energy certification organization in the United States, Green-e ® certifies that products meet environmental and consumer protection standards, developed in conjunction with environmental, energy and policy organizations. "ConEdison Solutions is proud to supply Saint Peter's College Jersey City campus with clean and renewable wind power," said Robert E. Anderson, Vice President of Retail Commodity Services for ConEdison Solutions of White Plains, N.Y., which provides renewable energy, competitive power supply, and cost-effective sustainability services to national and regional clients. "By choosing renewable energy, the Saint Peter's campus community is helping to protect the environment, conserve natural resources, and build a more sustainable future."

In addition to working with ConEdison Solutions on its renewable supply, Saint Peter's also worked with R3 Energy of Tarrytown, N.Y., an advisor on intelligent energy efficiency and renewable energy solutions to various institutions.

## *Events*

### *The 2009 World Energy Engineers Congress*

The Association of Energy Engineers is very pleased to again bring the World Energy Engineering Congress (WEEC) to Washington, DC for 2009. Now in its 32nd year, the WEEC is well-recognized 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, with special free technology workshops held in the exhibit hall. In 2009 the WEEC will include a multi-track portion of the conference called FEMWorks 2009, a comprehensive series of workshops for federal energy managers, as well as GreenStreet 2009, offering both expert presentations and a showcase of the very latest environmentally friendly, green energy related products and services. The WEEC also serves as the annual convention of the Association of Energy Engineers, and is attended by more AEE members each year than any other single event.

Your conference registration includes FREE admission to the companion exposition, a copy of the conference proceedings on CD, as well as complimentary tickets to scheduled conference attendee luncheon functions, the AEE Awards Banquet and the Keynote Luncheon. Exhibitors - The early bird deadline is November 3rd.

### *NJ Environmental Education Master Plan for Review*

New Jersey educators interested in advancing environmental education for students, families and adults are invited to provide feedback on New Jersey's revised master plan for environmental education. Comments will be accepted through Wednesday, November 25th.

The purpose of Environmental Literacy in New Jersey: A Call to Action is to cultivate an environmentally literate citizenry. It is New Jersey's third environmental education master plan and is intended for use by environmental education professionals as a five-year action plan, with a timeframe for delivery between 2010 through 2015.

A Call to Action provides direction and recommends state-level actions that would improve the state's capacity to support the delivery of environmental education throughout New Jersey for all citizens. It also provides direction and recommended actions for locally-based environmental education providers and large-scale coalitions, networks and organizations that deliver environmental education programs, services and resources. When combined, both sets of actions work together to help unify and coordinate, increase, promote, inform, recognize and track environmental education efforts throughout the state.

The New Jersey Commission on Environmental Education and Interagency Work Group developed the plan and are state level groups statutorily charged with implementing a master plan for environmental education in New Jersey. Both groups are "in but not of" the NJ Department of Environmental Protection.

Please visit [www.nj.gov/dep/seeds/njcee/mprp.htm](http://www.nj.gov/dep/seeds/njcee/mprp.htm) to review the draft sections of the plan and submit online feedback. Go to [www.nj.gov/dep/seeds/njcee/index.htm](http://www.nj.gov/dep/seeds/njcee/index.htm) to learn more about the work of the commission and work group.

# Happenings

## Fall Clean Energy Workshop

November 20th, 2009, 9:00 am – 2:00 pm

The Babio Building at Stevens Institute of Technology, Hoboken, NJ

Presentations include:

Perpetual Commissioning of Chiller Systems in Commercial Applications,  
Utility Programs and Metering II

How to handle the new NOx regulations in from the DEP and EPA,  
Tozour Trane

The Steven's Approach to Sustainability on Campus, Norm Forester and Mark Byrd  
Plus more to come!!!

<http://www.acteva.com/booking.cfm?bevaaid=190611>

## Fall Green Design Workshop

December 4th, 2009, 9:00 am – 2:00 pm

The Technology Building, Ocean County College, Toms River, NJ

Presentations include Ocean County College's newly renovated high  
performance Arts Building

Information about the revision of the NJHEPS High Performance Design  
Guidelines will be provided to attendees with hope of feedback.

More information coming soon!!!

<http://www.acteva.com/booking.cfm?bevaaid=190602>

## Update from Power Shift '09

You're being heard! After almost a month of amazing actions in nine states, the Power Shift '09 Regional Summits will prove with a final punch that young people are still engaged on climate and energy issues a year after the election with our closing events in Oregon and Ohio on Nov. 6 - 8.

We got off to a great start in Michigan and Indiana on Oct. 10 before the movement traveled to Missouri and the Carolinas. Last weekend we rallied in Virginia, Pennsylvania, West Virginia, North Dakota and Florida. The events included insightful speeches from local change-makers, volunteer work for innovative community groups, and field training for organizers. We demanded that a climate and energy plan be created by December - one that rebuilds our economy, ends our dependence on dirty energy, and brings our communities lasting security.

It's important to finish strong by making a statement at the Power Shifts in Ohio & Oregon. Visit [www.powershift09.org](http://www.powershift09.org) to sign up or spread the word to your friends and social networks.

Want to share progress towards sustainability on your campus? Please send news items to Terra Meierdierck ([terra.meierdierck@gmail.com](mailto:terra.meierdierck@gmail.com)) for inclusion in our newsletter.

NJHEPS GRATEFULLY ACKNOWLEDGES THE SUPPORT OF:

NJHEPS Corporate Sponsors; EPA Region 2; NJ Natural Resources; New Jersey Board of Public Utilities; New Jersey Clean Energy Program; PSEG Foundation, Utility Programs and Metering II; and NJHEPS 40+ Member Institutions

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