

RCM News for June 2009

A newsletter for Resource Conservation Managers in the Northwest

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Clean Energy Business for Universities

"State Grant Aims to Help UB Build Clean-Energy Businesses," by George Pyle, *Buffalo News* Business Reporter, The grant to the University of Buffalo is from the New York State Energy Research and Development Authority (NYSERDA). Martin Casstevens, manager of the university's Office of Science, Technology Transfer and Economic Outreach explained that the aim of this type of grant is to connect inventors with what they need to know to patent, manufacture, market, and distribute their inventions. The inventors will repay the cost of this assistance from the royalties their inventions earn for them. See this article in the *Buffalo News*, June 4, 2009, at

<http://www.buffalonews.com/business/today/localbusiness/story/672196.html> .

Data Centers

"Rudolph/Libbe Companies and BHP Energy LLC to Build One of the World's Most Energy-Efficient Data Centers Using Capstone Turbines," by staff, describes a new data center for Syracuse University that is in the planning stages. The designers are promising a facility that is 50% more energy efficient than current data centers. Natural gas turbines will produce onsite all the heating and cooling power required by the facility. Waste heat will power chillers to cold water for computer cooling. This is the kind of system that might be used at other data centers in, for example, government complexes. See this article in *Distributed Energy*, June 2009, at

<http://www.distributedenergy.com/the-latest/rudolph/datacenter-bhpgem-green.aspx> .

Energy Education

Two programs involve students in learning about energy savings and in applying that knowledge to real world situations:

1. "Energy Trust Captures Savings through School Curriculum," by staff, describes the LivingWise curriculum which educates sixth graders in energy efficiency and renewable sources of energy. They, in turn, use this knowledge and the energy kit that is given to them to change energy habits in their own homes. The article includes a link to the LivingWise Resource Action curriculum. See this article in *Synergy*, April 2009; **scroll down to article title** at <http://www.energytrust.org/synergy/0904/index.html> .

2. "District of Columbia Green Schools" is a page on the Alliance to Save Energy (ASE) website describing the Saving Energy in DC Schools Program (SEDS). SEDS is an interesting program whereby the students learn about efficiency and sustainability in their schools where they are trained to conduct energy audits. They bring this knowledge into their communities by conducting energy audits in their homes. To view this information, go to <http://ase.org/section/program/greenschl/spirit/dc> .

Energy Management

"School Savings: A Consultant Helps a New Jersey School District Fine-Tune Its Technology," by George Leposky, is a seven Web-page case study of energy savings achieved through a well-planned and executed energy management plan for a primary school and a middle school in the same school district in New Jersey. See this case study in *Distributed Energy*, May/June 2009, at <http://www.distributedenergy.com/may-june-2009/school-savings-facilities-1.aspx> .

Geothermal

Green Ideas is a new *Inside Higher Ed* column, written by Elizabeth Redden, that "will spotlight different strategies, big and small, that colleges are adopting in attempts to reduce their environmental impact." The first installment of the column was on May 15, 2009, at <http://www.insidehighered.com/news/2009/05/15/greenideas> . The following three stories are included:

1. "Geothermal on a Gigantic Scale" is a discussion of the massive geothermal project undertaken at Ball State. The project will dramatically reduce the university's carbon emissions and is expected to save Ball State's annual energy costs by as much two million dollars.
2. "Trash to Treasure" recounts how a remediated landfill with an additional 64-acre set-aside on the University of Connecticut campus has been turned into a treasure of a park with lookouts, hiking trails, and more.
3. "Biodiesel Bus" tells about the volunteer student-managed and implemented transit program consisting, for the present, of one bus that runs on a mixture of 20% biodiesel/80% diesel. The biodiesel fuel is produced on campus by students from waste vegetable oil.

Green Your School Contest

The Student Conservation Association (SCA) is holding a national competition to stimulate and identify conservation service projects designed by high school students. The projects must have started after August 1, 2008. The submission phase is from April 1, 2009, to 11:59 pm ET October 9, 2009. Grand prize is \$5000 and two runners up will receive \$2500. For details on the contest visit the SCA website: <http://www.thesca.org/green-your-school>

Job Announcements

Jobs Database at Energy Experts website:

<http://www.energyexperts.org/TrainingEducationandEmployment/Employment.aspx>

Energy Jobs Website

This site provides a search for energy jobs by state, company type, or job category.

<http://www.energyjobsportal.com/>

Another Energy Jobs Website

Energyvortex.com provides a search tool for jobs.

<http://www.energyvortex.com/careercenter/>

Upcoming Events

September 30 – October 1, 2009 – Columbia-Pacific Energy Expo 2009 – Seaside, Oregon

For more details visit the Expo website: <http://www.nwenergyexpo.com/>

Energy Events Calendar

<http://www.energyexperts.org/TrainingEducationandEmployment.aspx>

Building Operator Certification

Sign up for 2009 and 2010 courses with the Building Operator Certification (BOC)

Program at the BOC website: <http://www.theboc.info/index.html>

Ongoing - On-Line AEE Self Study Professional Training Courses

Course titles such as “Basics of Energy Management” and Fundamentals of HVAC Systems” are available in a home-study format.

<http://www.aeecenter.org/training/>

Resources for You

US Department of Energy Recovery Act Clearinghouse

Information and details on the Recovery Act funding opportunities.

<https://recoveryclearinghouse.energy.gov/index.htm>

Washington RCM Support

Washington State University Energy Program RCM Support

Check out the “RCMx” where we have moved the RCM Guidebook into web format. We appreciate any feedback on this site and would also appreciate items to add to our resources such as tools, examples of policies, and job descriptions.

<http://www.energy.wsu.edu/projects/rem/rcm.cfm>

Oregon RCM Support

Oregon Department of Energy RCM Support

<http://oregon.gov/ENERGY/CONS/RCM/rcmhm.shtml>

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Previous issues of RCM News may be viewed at the WSU Energy Program RCM support page:

<http://www.energy.wsu.edu/rcmx/Meetings.aspx>

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