

LRCM News for March 2009

A newsletter for Resource Conservation Managers in the Northwest

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Biodiesel

"Colleges Convert Cooking Oil into Biodiesel Fuel," by James Hannah, via Associated Press, describes the activities of several colleges across the country that can combine fuel-energy savings with waste-to-energy education. View this article in the *Seattle Times*, January 22, 2009, at

http://seattletimes.nwsourc.com/html/nationworld/2008657773_apcollegesbiodiesel.html .

Eatery Utensils

"UVic Bans Plastic Utensils: Compostable Bamboo Knives, Forks, Spoons Now the Norm," by Judith Lavoie, *Victoria Times Colonist*. The University of Victoria has switched from plastic to 100% recyclable bamboo utensils in all of its areas where food is sold. Also, it has eliminated consumer separation of different types of recyclable items and non-recyclable ones due to a failure of that system. Eatery staff separates all types of items efficiently and effectively so that much less waste and many more compostables are generated. This article is available in the *Vancouver Sun*, February 17, 2009, at

<http://www.vancouver.sun.com/news/regional/UVic+bans+plastic+utensils/1299771/story.html> .

HVAC (Heating, Ventilation, and Air Conditioning)

"Done Digging: Utah District Warms Up to Piping Alternative," by staff, is about how a Utah school district corrected a leakage problem in its underground chilled water system piping. It relates the story of a repair gone bad and corrected with a type of piping used successfully in Europe for three decades but not well known in the United States. See this case study in *Engineered Systems*, December 2008, at

http://www.esmagazine.com/Articles/Case_In_Point/BNP_GUID_9-5-2006_A_10000000000000475791 .

Lighting

"Alabama Schools Turn the Lights on Energy Savings," by Keith Hobbs, describes a lighting remodel for three schools in the Daleville City School System. While the lighting redesign increases the lighting in many darkened areas, the energy efficient

technologies employed will save \$34,000 a year on utility bills. After no more than 17 years the remodel will have been paid for with the energy savings. The energy efficient technologies employed in this project are describes. See this article, written February 12, 2009, and carried in *SchoolFacilities.com*, February 24, 2009, at <http://www.schoolfacilities.com/coreModules/content/contentDisplay.aspx?contentID=3106> .

Waste Heat to Power

"OSU Student Exercise to Generate Power," by the Associated Press, shows how Oregon State University students add to the power on the grid. Exercising on the university's cardiovascular workout machines generates 3,500 kW hours per year. Additionally, OSU uses renewables for a third of its energy needs. See this article in the *Oregonian*, February 16, 2009, at http://www.oregonlive.com/environment/index.ssf/2009/02/osu_student_exercise_to_generate.html .

Water

"First Salmon: PUD Outreach Stresses Protection of Water Resources" was written by Jim Boldt, Communications Manager, Kitsap PUD. The author describes the educational outreach that Kitsap County Public Utility District is offering to grammar school students to teach them the importance of water conservation both for fish and people. This article is in a newsletter, **which may take 60 to 75 seconds to load**. See the article in *Connections*, Winter 2009; scroll down to article-page 13 (or PDF-page 15) at http://www.wpuda.org/PDF_files/Connections/Conn_Wint09_final.pdf

Request for Help with Audits in Washington

Students and teachers are seeking help conducting energy audits of their school as part of the climate education program "Cool School Challenge." In this program, students audit electricity, solid waste and transportation behaviors then challenge their teachers and schools to shrink their carbon footprint. As schools sign up to be part of the Challenge, many of them are asking where and how they can learn about energy efficiency, or arrange for an expert to help them audit their school. RCMs seem like a logical fit. If you have these skills and a desire to work with the high school and middle school students, contact Dave Reid (e-mail - dave.reid@pse.com) at Puget Sound Energy (a program sponsor) to find a participating school near you. You can help students help the planet and maybe even identify cost savings for the school board!

The Cool School Challenge was developed in collaboration by Redmond High School teacher Mike Town, the Puget Sound Clean Air Agency, and Puget Sound Energy, with assistance of Chuck Collins, Resource Conservation Manager for the Lake Washington School District. For more information, visit www.coolschoolchallenge.org. This request was submitted by Rhonda Hunter at Washington Department of Ecology.

Job Announcements

Mercer Island School District Resource Conservation Manager

This is a half-time position, open until filled. Please see the Mercer Island School District employment site for details:

<http://www.misd.k12.wa.us/departments/personnel/classified.html>

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

Spring 2009 Lighting Class Series

The Lighting Design Lab is offering several one day events in April and May in Spokane, Boise, Bozeman, Portland and Seattle. The morning session is titled "Energy Effective Lamp Technologies" and the afternoon session is titled "Efficient Lighting Techniques and Applications." There is separate registration for each session and advanced registration and payment is required. Visit the Lighting Design Lab website for more details: <http://www.lightingdesignlab.com/index.html>

April 18-21, 2009 - Green Cities Conference – Portland, Oregon

<http://www.nlcgreencitiesconferenceandexpo.org/>

May 3-6, 2009 - Washington State Recycling Association Annual Conference- Yakima, Washington

<http://www.wsra.net/events/details.asp?Evid=57>

May 5-7, 2009 – Northwest Facilities Expo, Portland Oregon

With a theme of 'Managing Green Buildings' there are a number of seminars targeted at resource efficiency topics.

<http://www.facilitiesexpo.com/fenw/index.po>

May 13-15, 2009 – Energy Facilities Connections Conference

CONFERENCE CANCELLED

<http://ga.wa.gov/Events/EFC.htm>

May 29-31, 2009 – Imagine Tomorrow – Second Annual High School Energy Competition, Pullman, Washington

<http://www.imagine.wsu.edu/>

June 3-5, 2009 – 17th National Conference on Building Commissioning – Seattle, Washington

<http://www.peci.org/ncbc/ncbc09.htm>

June 10-11, 2009 – West Coast Energy Management Congress, Long Beach California

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

July 6-17, 2009 – Energy Management Certification Course – Eugene, Oregon

This intense two week course is held on campus at the University of Oregon. (It has been called Energy Management 'boot camp'.) Students learn the fundamentals and in-depth details on a spectrum of energy management principles and techniques. At the program website, you can view a short video describing the program and hear from students who have completed the certification.

<http://www.nweei.org/emc.html>

Northwest Building Efficiency Center Regional Events Calendar

<http://nwbuildings.org/EnergyEvents.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

Northwest Building Efficiency Center

The Northwest Building Efficiency Center delivers technical support on energy efficiency to building professionals in Alaska, Idaho, Montana, Oregon and Washington. You can contact NBEC for practical guidance or library research on implementing energy efficiency projects. Ask our experts at: 866-929-NBEC or send e-mail to: Info@nwBuildings.org

Washington RCM Support

Washington State University Energy Program RCM Support
Check out the new "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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