

## **RCM News for May 2006**

A newsletter for Resource Conservation Managers in the Northwest

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### **Energy Efficiency**

Faucets can be beautiful, functional, and, yes, save energy while they are saving water. A building on the Lane Community College (LCC) campus in Eugene, Oregon, is doing just that, thanks to the efforts of Energy Management student, Kaytlyn Brown, Eugene Water & Electric Board (EWEB) Water Conservation Manager, Steve West, and LCC plumber, Ted Flory. All it took was 16 EWEB-donated aerators which regulate the quantity and rate of water flow. (The rest of the building's faucets need and will soon get EWEB-donated adaptors to accept the new aerators.) The new aerators save water, the energy to heat it and the energy to pump it. See "Faucets Get Face Lift, Save Energy," by Peggy Green, News Editor, *The Torch*, April 27, 2006, at <http://www.lanec.edu/torch/issues/Spring2006/Apr2706/index.html> .

Electric utilities, computer manufacturers, and consumers are joined in a program that encourages the manufacture, sale, and use of energy-efficient computers and small servers. The name of the program is "80 PLUS® Certified Power Supplies." The utilities fund this incentive program, the computer industry supplies the computers and servers that have been developed to be 80% energy efficient with good power quality, and the schools buy the hardware. The Northwest Energy Efficiency Alliance, an association of utilities in Idaho, Montana, Oregon, and Washington, is a sponsoring utility group in this 80 PLUS Certified Power Supplies program. See an article about the program, "Schools Can Shrink the Energy Appetite of Computers," (by staff at Ecos Consulting, March 28, 2006 and carried in the March 30, 2006, issue of *FacilityWise Newsletter Bulletin*) at <http://www.schoolfacilities.com/coreModules/content/contentDisplay.aspx?contentID=2258> .

### **Energy Management**

"Energy Management: Tips to Increase Efficiency," by Jana J Madsen, Managing Editor, *Buildings*. The author covers the following topics in this 11-page article: HVAC (heating, ventilation, and air conditioning), BAS (building automation systems), roofing, insulation, windows, and lighting. In each case, there is discussion how to get the best efficiencies from new construction, from remodels, and from maintenance. *Buildings*, March 2006, at <http://www.buildings.com/Articles/detailBuildings.asp?ArticleID=2981> .

### **Portables**

A study being conducted at the Lawrence Berkeley National Lab aims to develop and evaluate an HVAC (heating, ventilation, and air conditioning) system for portable classrooms that successfully

addresses the need for better energy efficiency and improved air ventilation for student and teacher comfort. While the study is tailored to California schools and California climates, the effort should have implications for all school districts relying on portables as they are, generally, energy inefficient and, often, unable to provide acceptable levels of ventilation. As reported in "Improving Ventilation and Saving Energy," by Michael G. Apte, Ph.D., Lawrence Berkeley National Lab, the preliminary testing results of a newly-developed HVAC system are quite promising. Reported in *FacilityWise Newsletter*, April 12, 2006, at: <http://www.schoolfacilities.com/coreModules/content/contentDisplay.aspx?contentID=2276> .

### **Renewable Power**

Twenty percent of the power used by Northwestern University in the next four years will be "green" – electricity generated, wholly or in part, from renewable sources. The university has been awarded the U.S. Environmental Protection Agency's designation, Green Power Partner. See the article, "Northwestern Running on 'Green Power' " in the April 13, 2006 issue of the *Observer Online*, at <http://www.northwestern.edu/observer/issues/2006/04/13/energy.html> .

### **Roofing**

Resource conservation managers know how valuable a good roof is. "Managing Assets – When They're Overhead," by James Piper, P.E., Ph.D., Contributing Editor, *Building Operating Management*. Attention to roof maintenance conserves energy and offers several other advantages such as longer life and fewer emergency repairs. The author explains that the two major parts to any effective roof maintenance program are proper and timely inspections and prompt attention to needed repairs. He discusses both in useful detail. *Building Operating Management*, April 2006, at <http://www.facilitiesnet.com/bom/article.asp?id=4269> .

### **Energy/Facilities Conference Success**

The Energy/Facilities conference sponsored by the Washington Department of General Administration was an excellent opportunity for training and networking. Attendees learned about the RCM approach from Ray Burton, Snohomish PUD RCM, who presented the Marysville School District success story along with John Bingham, Capital facilities director for the district. Bill Younger of Puget Sound Energy outlined successful elements for a RCM approach. RCMs met briefly during breakfast Thursday to share 'roundtable' news.

### **Upcoming Events**

#### **June 6, 2006, LEED and Green Building - Seattle Washington**

[http://media.whatcounts.com/onew\\_cgbc/2006/May/LEEDandGBJune6SEA.pdf](http://media.whatcounts.com/onew_cgbc/2006/May/LEEDandGBJune6SEA.pdf)

#### **June 8, 2006 Panel Discussion on LEED EB - Portland, Oregon**

[http://media.whatcounts.com/onew\\_cgbc/2006/Announcements2006/LEEDEB.060806.PDX.pdf](http://media.whatcounts.com/onew_cgbc/2006/Announcements2006/LEEDEB.060806.PDX.pdf)

#### **June 15, 2006, LEED and Green Building - Spokane Washington**

LEED and Green Building is a workshop for those who need to know the details of the LEED rating system and the technologies and strategies for achieving LEED credits. All credits and prerequisites will be covered to help designers understand what green building means in their practice. This workshop is also excellent preparation for the LEED Accreditation Exam.

[http://media.whatcounts.com/onenw\\_cgbc/2006/May/LEEDandGB061506Spok.pdf](http://media.whatcounts.com/onenw_cgbc/2006/May/LEEDandGB061506Spok.pdf)

**June 7-8, 2006 West Coast Energy Management Congress - Seattle, Washington**

This event will offer the opportunity to learn about a number of technical topics during a 2-day timeframe. Also note that there is a 5-day training for preparation for the Certified Energy Manager (CEM) exam just before the Congress. <http://www.energyevent.com/>

**July 10-21, 2006, Annual Energy Management Certification Program**

The Northwest Energy Education Institute's (NEEI) seventh annual Energy Management Certification (EMC) program at the University of Oregon in Eugene. To register, or for more information call Roger Ebbage, NEEI Director, at (541) 463-3977 or visit the website at: <http://www.nweei.org/>

**Job Openings**

**Administrative Services Manager/RCM**

Everett Community College is advertising for a "Administrative Services Manager B (Facilities)." Duties for position include resource conservation management activities. Note the June 5 closing date. The position is posted on their website:

[http://www.everettcc.edu/emplibrary/AdminServicesMgrB\\_06.pdf](http://www.everettcc.edu/emplibrary/AdminServicesMgrB_06.pdf)

**Resource Efficiency Manager**

Sain Engineering Associates, Inc. is seeking proven energy management professionals to work full-time on-site for multi-building campuses. Multiple U.S. locations are available: <http://www.energyvortex.com/careercenter/jobdetails.cfm?id=1363>

**Resources for You**

**Oregon RCM Support Page**

Oregon Department of Energy Resource Conservation Management Support  
<http://oregon.gov/ENERGY/CONS/RCM/rcmhm.shtml>

**EnergyIdeas Clearinghouse**

Information on energy technologies, programs and practices.  
<http://www.energyideas.org/>

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**Previous issues of the RCM News may be viewed at the WSU Energy Program RCM support page: <http://www.energy.wsu.edu/projects/rem/rcm.cfm>**

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