

# RCM NEWSBRIEFS

Notice anything new this issue? Yes, it's the masthead above. Although the name now says "RCM Newsbriefs", it's still the same RCM News that you look forward to seeing in your inbox every month.

## RCM News for December 2010

A newsletter for Resource Conservation Managers in the Northwest

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### GREEN RETROFIT

"[Stepping Up to Zero Energy](#)," by William Hanley, Web Editor, *GreenSource*, was published in the September+October 2010 issue of that journal. It reports on the multi-phase effort of the private Marin County Day School to accommodate its much larger student body with new and retrofitted, LEED-certified buildings that do not increase its footprint. It is, also, a very thorough report of how this school fits into its immediate environment aesthetically and in terms of low environmental impact. There is a strong environmental presence in the school's curriculum and the successful retrofit is used as an educational tool. Finally, the net-zero-energy design of the new Learning Resources Center is described.

### MODULAR CLASSROOMS

"[Modular, Green Classrooms](#)," by staff, appeared in the September 2010 issue of *Green Building News*. At one time an oxymoron, *green* goes quite well with *modular classrooms* at this middle school. The high-performance modulars are made from wholly recycled materials and include smart lighting, daylighting, and more.

### MOTORS

"[Boosting Your Bottom Line: Life-Cycle Cost – The Real Purchase Price](#)," by Motor Decisions Matter staff, appeared in the November 2010 issue of *Maintenance Technology*. This article explains the importance of including life-cycle cost (LCC) in the total cost of new motors, provides a simple formula for figuring the general LCC, and includes links to further information.

### WATER

"Water Efficiency and LEED" is a two-part article by Greg Zimmerman, Executive Editor, *Building Operating Management*, in the November 2010 issue of that journal:

Part 1 is [LEED Lays the Groundwork for Water Efficiency Plans](#). It shows how LEED for Existing Buildings: Operations and Maintenance (LEED-EBOM) can guide conservation/resource efficiency managers to water-savings through a variety of approaches.

Part 2 is [Plumbing Upgrades a Good Place to Start for Water Conservation](#). The author focuses on the easy and inexpensive actions that should be taken when an efficiency manager makes a first stab at water savings.

## Upcoming Events & Training Opportunities

### Industrial Refrigeration Systems – Energy Management and Certification Preparation

- January 17-19, 2011 in Portland, OR (*Registration deadline is January 7*)

Topics: basic principles of refrigeration and electricity as applied for optimum efficiency; maintenance/troubleshooting procedures; water treatment and energy conservation; identify energy efficiency opportunities

*Northwest Energy Efficiency Alliance*

<http://www.regonline.com/Register/Checkin.aspx?EventID=914825>

### Best of BOMA's Energy Efficiency Program

- January 20, 2011 in Eugene, OR

Live, interactive workshop focuses on low and no-cost techniques for optimizing equipment, people and practices.

*Northwest Energy Efficiency Alliance*

<https://www.bomaportland.org/node/1453>

### Building Operator's Certification – Oregon

#### BOC Level I

- Feb 22, 2011 through June 7, 2011 in Pendleton/La Grande OR
- Sept 2011 through Mar 2012 in Portland OR

One day a month of training and project work in building systems maintenance.

#### BOC Level II

- Oct 2011 through Mar 2012 in Portland OR

One day a month of training and elective coursework in equipment troubleshooting and maintenance.

*Northwest Energy Education Institute*

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

### Smart Metering, Load Profiling & Demand Response

- February 23-25, 2011
- April 18-20, 2011
- June 22-24, 2011

Realtime distance learning for energy-involved professionals. A series of three interactive live two-hour time modules, this seminar shows you how to analyze "smart meter" data to gain a clearer understanding of your electrical loads and to use the information to control and minimize peak demand and energy costs.

*Association of Energy Engineers*

<http://www.aeeprogams.com/realtime/LPonline/>

### Building Operator's Certification – Washington state

### BOC Level I

- March 23, 2011 in Renton, WA
- Fall 2011 date TBA in Silverdale, WA

One day a month of training and project work in building systems maintenance.

### BOC Level II

- Fall 2011 date TBA in Renton, WA

One day a month of training and elective coursework in equipment troubleshooting and maintenance.

<http://www.theboc.info/wa/wa-schedule.html>

### Energy/Facilities Connections Conference

- May 11-13, 2011 in Leavenworth, WA

Facility experts provide information and resources for handling fiscal and operational restraints.

*Plant Operations Support Consortium, WSU Extension Energy Program*

<http://www.energy.wsu.edu/PublicFacilitiesSupport/PlantOperations/Conferences.aspx>

### Energy Management Certification (EMC)

- July 11-22, 2011 in Eugene, OR

This is an advanced certification program that requires the student to implement an energy-saving project and measure the results. This program teaches a broad spectrum of energy management principles and techniques.

*Northwest Energy Education Institute*

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

### On-Line AEE Self Study Professional Training Courses

Course titles such as “Basics of Energy Management”, “Fundamentals of HVAC Systems” and “Finance & Accounting for Engineers & Technicians” (new) are available in a home-study format.

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

### Building Operator Certification (BOC) – Recorded Technical Webinars

Technical webinars that offer practical maintenance solutions for your facility. Includes “Energy Tune-up Opportunities”, “IAQ”, “Lighting Retrofits”, and “Using Data Loggers”. For a list of webinars go to:

<http://www.theboc.info/m-prerecorded-webinars.html>.

### BEEP Energy Program

This six-course series offers the information, strategies, technologies, how-to guides, and resources you need to reduce energy and costs...all without leaving your office.

<http://www.boma.org/TrainingAndEducation/BEEP/Pages/curriculum.aspx>

### Energy Events Calendar

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

## Resources for You

### Plant Operations Support Consortium Orientation Video

Provides information on member advantages, and on the services that members of the Plant Operations Support Consortium receive.

<http://www.energy.wsu.edu/PublicFacilitiesSupport/PlantOperations/OnlineTrainings.aspx>

### WSU Extension Energy Program Website Redesign

The WSU Extension Energy Program recently launched its new website. Browse the website to find out about our programs, meet our staff, read our publications and gather information about our energy services, products and education.

<http://www.energy.wsu.edu/Home.aspx>

Visit the redesigned RCM and RCM Exchange websites at

<http://www.energy.wsu.edu/PublicFacilitiesSupport/ResourceConservation.aspx> and

<http://www.energy.wsu.edu/PublicFacilitiesSupport/ResourceConservation/RCMx.aspx>

Archived copies of RCM News can be found at:

<http://www.energy.wsu.edu/PublicationsandTools.aspx>

### Energy Education Toolkit from EPA

A downloadable toolkit to help you educate employees about energy use, its impact on the environment, and what they can do about it.

<http://www.energystar.gov/index.cfm?fuseaction=bygtw.showBrownbag>

### Washington RCM Support

Washington State University Energy Program RCM Support

Check out the "RCMx". 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/PublicFacilitiesSupport/ResourceConservation/RCMx.aspx>

### 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 <http://www.energy.wsu.edu/PublicationsandTools.aspx> (click on Resource Conservation in the right hand column).

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