

RCM News for November 2009

A newsletter for Resource Conservation Managers in the Northwest

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Energy Management

"A Lesson in Energy Savings" was written by Karen M. Couch, Ph.D., Superintendent, Moriarty-Edgewood School District. A high school spent \$39,000 on an energy management effort that saved the school \$135,000 in energy in just one year. See this case study in *Sustainable Facility*, September 2009, at http://www.sustainablefacility.com/Articles/Feature_Article/BNP_GUID_9-5-2006_A_10000000000000659511#.

"Spokane Saves with Power Management Software," by Judith Van Dongen and Meara Hall, WSU Spokane, describes an energy management solution for PCs that can, in principle, be used in commercial and government buildings as well as in academia. See this article in *WSU Today*, August 21, 2009, at <http://www.wsutoday.wsu.edu/pages/publications.asp?Action=Detail&PublicationID=15287>.

Flooring

"Drive for Sustainability Reshapes Flooring Choices," written by Maryellen Lo Bosco, is a four-part article in the September 2009 issue of *Building Operating Management*:

Part 1: "Green Flooring Choices: What's Old is New" explains that the old standbys, carpet and vinyl, are being supplanted by even older (though updated) ones such as linoleum, cork, wood, and terrazzo, as well as *recycled* carpeting. See Part 1 at <http://www.facilitiesnet.com/flooring/article/Green-Flooring-Choices-Whats-Old-is-New--11151>.

Part 2: "Life-Cycle Costs of Flooring" shows how the cost of maintenance can bring the overall cost of vinyl composition tile (VCT) to surprisingly high levels.

See Part 2 at <http://www.facilitiesnet.com/flooring/article/LifeCycle-Costs-of-Flooring--11152> .

Part 3: "Floor Choices for Health Care" emphasizes the need to meet a higher bar for cleanliness at health care facilities. See Part 3 at <http://www.facilitiesnet.com/flooring/article/Floor-Choices-for-Health-Care--11153> .

Part 4: "Showcase: Flooring" takes a look at greener products. See Part 4 at <http://www.facilitiesnet.com/flooring/article/Showcase-Flooring--11154> .

Lighting

"LEDs, Easy as ABC" was written by Deb Lovig, LED Programs Evangelist, Cree. The author explains that the Cree program, LED City, was so successful that Cree developed its LED University program. She describes the LED University program and offers a seven-point plan that a resource conservation manager at any academic institution might consider putting into action. See this useful article in *ED+C (Environmental Design + Construction)*, web-posted on September 1, 2009, at http://www.edcmag.com/Articles/Article_Rotation/BNP_GUID_9-5-2006_A_10000000000000650501 .

HVAC (Heating, Ventilation, and Air Conditioning)

"Greening Schools: The Building Envelope Is the Top Priority When Designing and Engineering Green Schools" was co-authored by Richard L. Kronick and Michael Ivanovic, Editor-in-Chief, *Consulting-Specifying Engineer*. The design of the building envelope along with the siting plan should come before the design of the mechanical systems. The mechanical system design, including the sizing of the mechanical system, will, in large measure, depend upon building siting and the building envelope. Important considerations concerning LEED certification, indoor air quality, and much more are included. This informative article is part of a series, *HVAC Technology Report*; this article includes links to other articles in the series. See this article at http://www.csemag.com/article/354041-HVAC_Technology_Report_Greening_schools.php .

Certification, Training, and College-level degree Opportunities

For up-to-date information, go to: <http://www.energyexperts.org/TrainingEducationandEmployment.aspx>

Energy Efficiency Training at Edmonds Community College, Edmonds, WA

Edmonds Community College offers a new two-year Associate of Technical Arts degree in Energy Management. The degree teaches skills suited for people currently working in the industry, seeking entry-level work in the field, or taking on new responsibilities in energy efficiency at their workplace. Most classes for the two-year Energy Management

degree are offered evenings and online. Certificates are also available that can be completed in six months or less.

For more information go to www.edcc.edu/energy or call 425-640-1640.

Energy Management Specialist Certificate Cascadia Community College, Bothell, WA

The energy management specialist certificate prepares you to enter the rapidly emerging field of energy management, with an emphasis on employment in careers including energy auditor, energy analyst, building technician, resource conservation manager, efficiency manager, measurement and verification technician, and system technician. Energy management specialists emphasize energy conservation and efficiency while working in the evaluation, planning, design, installation, and maintenance of a wide range of energy-related systems and processes in new and existing commercial and residential buildings.

http://www.cascadia.edu/programs/professional_technical_certificates/energy_management_specialist.aspx

Building Operator Certification (BOC)

Competency-based training and certification for building operators

- Technical Webinar Series - <http://www.theboc.info/webinars/index.html>
- Level I and Level II Certification course schedule http://www.theboc.info/wa/schedule_wa.html#level1
- Description of courses - <http://www.theboc.info/training.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/>

Upcoming Events

Energy Efficient Indoor, Outdoor and Day Lighting: Analysis for Cities, Campus & Facilities

Webinar

December 16, 2009. 9:00 am

<http://www.greenenergyleaders.com/webcast.htm>

Energy Benchmarking Using ENERGY STAR Portfolio Manager

Computer based workshop - two options (choose one)

#1 November 19, 2009, 8:00AM-12:00PM

#2 November 19, 2009, 12:30PM-4:30PM

Auburn, Washington

This hands-on session will teach you how to utilize the EPA's database, Portfolio Manager, an essential tool for energy management and energy savings. Workshop participants will be seated at a computer work station and receive step-by-step instructions for setting up their ENERGY STAR benchmarking accounts and will begin the initial energy performance rating for their building.

Call to register: 877-460-5880

[Best of BOMA's Energy Efficiency Program \(BEEP\)](#)

November 4, 8:00AM-12:00PM

Bellevue, Washington

An innovative operational excellence program to teach commercial real estate professionals and facility managers how to reduce energy consumption and costs with proven no- and low-cost strategies for optimizing equipment, people and practices.

Contact: Susan Cole, scole@bomaseattle.org, 206-622-8924.

[Energy Events Calendar](#)

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

[West Coast Energy Management Congress](#)

June 15 - 16, 2010, Seattle, WA

The largest energy conference and technology expo held on the U.S. West Coast specifically for business, industrial and institutional energy users.

www.energyevent.com.

Resources for You

[Washington State Energy Marketplace Directory](#)

An online directory of energy, energy efficiency and sustainable products companies, published by the Washington State Commerce Department.

<http://www.commerce.wa.gov/site/526/default.aspx>

[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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