RCM News for December 2009

A newsletter for Resource Conservation Managers in the Northwest

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Extended Timeline for Shared RCM Program
The deadline for applying for a spot in the Shared Resource Conservation Manager program has been extended to January 15, 2010. The Shared RCM program, sponsored by WSU Extension Energy Program in cooperation with WA State Dept of Commerce, enables local governments for whom a dedicated RCM is not cost effective, to partner with other local jurisdictions in their geographic region to create and share one RCM position. Applications and more information are available at http://www.energy.wsu.edu/apps/Projects/ResourceConservationManagement/SharedRCMProgramInformation.aspx, or call Karen Messmer at 360-956-2090.

Green Schools
The American Recovery and Reinvestment Act included $14 billion to pay for the energy-efficient modernization and renovation of K-12 schools. The 21st Century Green High-Performing Public Schools Facilities included $6.4 billion to pay for updating and repair projects with an emphasis on sustainable practices and systems that are consistent with the Leadership in Energy and Environmental Design program of the U.S. Green Building Council. See this article in ED+C (Environmental Design + Construction), October 2009, at http://www.edcmag.com/Articles/Article_Rotation/BNP_GUID_9-5-2006_A_10000000000000666242.

Portable Classrooms
One of the best resources related to portable classrooms is the website for the National Clearinghouse for Educational Facilities, sponsored by the National Institute of Building Sciences. The many publications available on the site cover energy and indoor air quality as well as costs and other related issues in different parts of the country. See this website at http://www.edfacilities.org/rf/portable.cfm.
**Submetering**
"Tracking Energy Usage" is a Web-page article discussing the advantages of submetering power use in large facilities such as a post office. With submetering, energy use by different parts of systems in a building can be observed to determine where efficiencies may be gained and how to take advantage of peak sharing and demand-side management. See this article in *Distributed Energy*, November/December 2009, at [http://www.distributedenergy.com/november-december-2009/tracking-energy-usage.aspx](http://www.distributedenergy.com/november-december-2009/tracking-energy-usage.aspx).

**Sustainable Cleaning**
"Cleaning Up Green" is a two-part article written by Bill Garland, in the October 2009 issue of *Building Operating Management*:


**Part 2:** [Green Cleaning and LEED Innovation Credits](http://www.facilitiesnet.com/green/article/Green-Cleaning-and-LEED-Innovation-Credits--11193).

**College-level Education Opportunities**

As a resource conservation manager, you may be interested in opportunities to increase your energy management knowledge and skills. Community colleges are offering more new programs and certificates on energy management and efficiency, which vary in length from two weeks to two years. This information is listed below and eventually will be available on our website, at which time the link will be published in this newsletter.

**Edmonds Community College, Edmonds, WA – Energy Efficiency Training**
A new two-year Associate of Technical Arts degree in Energy Management is 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 are offered evenings and online. Certificates are also available that can be completed in six months.
For more information go to [www.edcc.edu/energy](http://www.edcc.edu/energy) or call 425-640-1640.

**Cascadia Community College, Bothell, WA – Energy Management Specialist Certificate**
The Energy Management Specialist Certificate prepares a person for employment in careers such as energy auditor, energy analyst, building technician, resource conservation manager, and system technician.
South Seattle Community College, Georgetown Campus – Green & Sustainable Training Programs

Existing Energy Audit Courses and Certification prepares students for national certification programs such as the Building Performance Institute and Energy Star.

New programs in the development process include Conservation and Weatherization, Building Sustainability Managers intended for current building managers to learn and incorporate sustainability practices, and a Pre-Apprenticeship Program to prepare students to enter into energy utility, green building, and electrical green jobs field.

For more information, contact Joe Hauth at jhauth@sccd.ctc.edu

Everett Community College

New programs include a four-course Sustainable Business Operations Management Certification (for students with some previous business experience) and a five-day Residential Energy Auditor Certification for those with minimal experience in residential contracting or home inspection.

For more information, contact Joe Hauth at jhauth@sccd.ctc.edu

Upcoming Events & Training Opportunities

Online Building Science Series
January 11 through June 14, 2010
12 online courses, 2 hours long. Each webinar can be taken as a series or individually. Learn about fundamentals of building science and the energy efficiency industry, or becoming a certified energy auditor.

First class on January 11 is Building Performance Basics Online Course, an introduction to building science and the home energy audit process. Intended for anyone interested in green jobs, building performance or Building Analyst 1 certification.

Building Operator Certification (BOC) – Free Informational Web Cast
Tuesday, January 12, 2010 8:30 – 9:30 AM Pacific time zone
Register at http://guest.cvent.com/EVENTS/Info/Summary.aspx?e=8930d7a0-1454-44b7-ab6e-572d20e53647

Electric, Gas and Water Metering Presentation
January 13 at the GA Building, Capitol Campus, Olympia, 10:00am to 11:30am
Intended for facilities managers, this free presentation discusses metering energy and water use in order to track and reduce resource use at the building level. Topics include
available equipment, the state of the technology, and communication issues with control systems.
Please RSVP to Stu Simpson ssimpso@qa.wa.gov

BPI Building Analyst Training and Certification for Residential Energy Auditors and Weatherization Professionals
January 25, 2010 to February 19, 2010
Seattle, WA
An introductory class teaching skills for comprehensive home weatherization audits, also suitable for energy auditors, contractors, home builders, and inspectors who seek greater knowledge about home energy efficiency.
eosalliance.org/bpw-404_01-10_seattle.htm

Green Professionals Conference
January 26, 2010, Portland, OR
Conference focuses on educational and job specific break-out sessions, networking opportunities, and exhibit hall.
http://www.green-professional.com/

Infrared for Building Applications Training
February 9-10 and 11-12 in Olympia
February 15-16 and 17-18 in Spokane
A series of trainings on proper use of infrared equipment for accurate assessments of a building's condition. The two-day “Residential & Weatherization” course is followed immediately by a two-day “Schools & Commercial Buildings” course. The first course is a prerequisite to attend the second.
Class size is limited.
http://www.energy.wsu.edu/documents/events/IR%20Class%20flyer.pdf

Building Operator Certification (BOC) – Live Technical Webinars
February 17, 2010 – Top Four Energy Tune Up Opportunities
March 18, 2010 – Energy Tune Up – Addressing Problems with Sensor Error and Simultaneous Heating & Cooling
http://www.theboc.info/webinars/index.html

Building Operator Certification (BOC) – Level I and Level II Certification course schedule
New level I courses
   Everett – March 10, 2010 – September 1, 2010
   Renton – April 22, 2010 – October 7, 2010
   Tacoma – September 14, 2010 – March 1, 2011
   Seattle – October 19, 2010 – April 12, 2011
Description of courses - http://www.theboc.info/training.html
http://www.theboc.info/wa/schedule_wa.html
Energy/Facilities Connections Conference
May 12-14, 2010, Leavenworth, Washington
This conference addresses important economic and energy conservation challenges from a facilities perspective.
Registration information is forthcoming in future RCM News. For more immediate information, call 360-956-2057 or email plantops@energy.wsu.edu.

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.

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/

Energy Events Calendar
http://www.energyexperts.org/TrainingEducationandEmployment/EventsCalendar.aspx

Resources for You

Duct Sealing Video available free online
“Duct Sealing for Comfort, Energy and Indoor Air Quality” is a 17 minute video that shows how heating and ventilating ducts move air, where common leaks are, and how to fix them. This video is for everyone – building professionals, do-it-yourself homeowners, and anyone interested in a cost-effective energy efficient action that also improves indoor air quality. View it at http://vimeo.com/channels/energyexperts#8129040

Building Operator Certification (BOC) Bulletin, Summer/Fall 2009
The BOC Bulleting is chock-full of articles including strategic energy management plans for healthcare facilities (page 1), quick tips on air filters, lighting, water and HVAC controls (page 7), targeting the top four most frequently occurring problems when starting a energy management plan (page 10), and info on trainings and conferences. http://www.theboc.info/pdf/BOC_Bulletin_Fall_2009_Web.pdf

Indoor Air Quality Newsletter
Indoor Air Quality (IAQ) News is an electronic quarterly providing information for improving indoor air quality in Northwest schools. The Fall 2009 edition highlights WSU
Extension Energy Program’s resource conservation management program.
http://www.energy.wsu.edu/projects/building/iaq.cfm

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

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