

RCM News for October 2009

A newsletter for Resource Conservation Managers in the Northwest

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Shared Resource Conservation Manager (RCM) Program

The Shared RCM program is now accepting applications! WSU Extension Energy Program, in cooperation with WA State Dept of Commerce, is now able to support the creation and successful implementation of up to ten new Washington State partnerships for a shared RCM position. This new program 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. WSU Extension Energy staff is available to help you determine if this program is feasible for your agency. Funding is available on a first come-first served basis to the first 10 appropriate applicants.

Applications and information are available at

<http://www.energy.wsu.edu/apps/Projects/ResourceConservationManagement.aspx>.

Facilities Management

"Ten Tips For Facility Managers to Cut Energy Costs," by Brandon Lorenz, Senior Editor, *Building Operating Management*. This is a rather sophisticated list of well-explained energy-saving tips from, as the author explains, facilities managers who are employing them in their own facilities. See these valuable tips in *Building Operating Management*, October 2009, at <http://www.facilitiesnet.com/energyefficiency/article/Ten-Tips-For-Facility-Managers-To-Cut-Energy-Costs--11191> .

Green Buildings

"The Biggest Opportunity to Reduce Energy Consumption and CO2 Emissions" was written by Jamie Qualk, Vice President of Sustainable Solutions Group, SSRCx, LLC. The biggest opportunity is with existing buildings which, of course, constitute the vast majority of buildings in the nation. This includes schools and government buildings. The author offers important suggestions as to how to make the most out of this opportunity. View this article, originally published in the *Tennessean* on August 11, 2009, posted on the U.S. Green Building Council (USGBC) website at <http://www.usgbc.org/News/USGBCInTheNewsDetails.aspx?ID=4175> .

HVAC (Heating, Ventilation, and Air Conditioning)

"High-IQ HVAC" was written by Don Talend, Write Results, Publicity and Communications Project Manager. The author shows how intelligent HVAC controls can increase energy savings and, ultimately, ensure an appropriate return on the initial investment (ROI). He includes four case studies to illustrate the point. See this five-web-page article in the September-October issue of *Distributed Energy* beginning at <http://www.distributedenergy.com/september-october-2009/high-iq-hvac.aspx>

Indoor Air Quality (IAQ)

"Special Requirements for Environments," by Mandi Joyner, LEED AP, Communications Manager, GREENGUARD Environmental Institute, discusses two particularly sensitive environments: hospitals and schools. Regarding hospitals, the author lists the products which are responsible for the compromised environments inside the buildings. With schools, she explains the particular vulnerability of children to a toxic indoor environment and urges positive changes via the remodeling of schools. See this article in *ED+C (Environmental Design + Construction)*, August 2009, at http://www.edcmag.com/Articles/Article_Rotation/BNP_GUID_9-5-2006_A_1000000000000634042.

Solar

"Harvard to Install Solar Array in Watertown Arsenal Project Partly Funded by State Grant" was reported by Erin Ailworth, Staff, *Globe*. A former U.S. Navy arsenal, converted to offices and owned by Harvard University, is to undergo a massive solar roof-top transformation. This article is available in the *Globe*, August 11, 2009, at http://www.boston.com/news/education/higher/articles/2009/08/11/harvard_to_install_solar_array_at_watertown_complex?rss_id=Boston.com+-+Education+news.

Sustainable Campuses

"The Sustainable Campus: University Green Initiatives Propel Schools toward Greater Efficiency and Cost Savings" is a three-web-page article authored by Bridget McCrea. The Association for the Advancement of Sustainability in Higher Education, at <http://www.aashe.org/>, has developed a Sustainability Tracking, Assessment & Rating System (STARS) for academic institutions to use to guide them toward more sustainable practices. This article focuses on STARS and two institutions using it: Worcester Polytechnic Institute in Worcester, Massachusetts, and Ave Maria University in Naples, Florida. See this article in *Campus Technology*, August 13, 2009, at <http://campustechnology.com/Articles/2009/08/13/The-Sustainable-Campus.aspx?Page=1>.

"Higher-Ed Energy Conservation Tips" by Ron Wilkinson PE, LEED AP, takes the reader through energy conservation strategies for existing campus buildings through the regular cycles of operation, maintenance, and repair. The strategies are selected to position the buildings to achieve LEED certification in the Operations and Maintenance category of the LEED Existing Buildings program. The strategies include establishing a building management system that connects all campus buildings, addressing needed improvements in ventilation, sensors, and controls to increase lighting efficiencies, and more. See this Web-only article in *+C (Environmental Design + Construction)*, September 1, 2009, at http://www.edcmag.com/Articles/Article_Rotation/BNP_GUID_9-5-2006_A_1000000000000650192.

Technical High School Program

"Students Build for Energy Efficient Future" is a case study of the construction of a low-energy, affordable home by the Portland YouthBuilders (PYB), supported by the Energy Trust of Oregon's Technical School Outreach initiative and three other organizations. The Energy Star home took nine months for students, under the supervision of PYB instructors, to build. PYB is both an accredited high school in Portland, Oregon, and a non-profit that is part of a nation-wide YouthBuilders organization – see <http://www.pybpdx.org/> for more information about PYB. To view the case study, go to http://energytrust.org/library/case-studies/TSO_Schiller.pdf.

Certification, Training, and College-level degree Opportunities

Energy Efficiency Training – energy management degree or certificate 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)

Successful completion of a BOC Level I certificate results in a demonstrated competence to review major components and maintenance requirements of a facility's electrical, HVAC, and lighting systems and to develop an energy consumption profile for the facility.

BOC Level I and Level II course topics, schedules, and certification requirements
http://www.theboc.info/wa/schedule_wa.html#level1

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/>

Job Announcements

Resource Conservation Manager – City of Bellevue

Application period closes November 4, 2009 at 4:30 pm.

<https://www.govjobstoday.com/Jobs/JobAnnouncement.aspx?jid=603>

Resource Conservation/Sustainability Manager for Kitsap County.

Application review is ongoing until position is filled or 11/2/2009.

<http://www.kitsapgov.com/jobline/default.htm>

Resource Conservation Specialist with King County Housing Authority.

Application due by 11/2/2009.

<http://www.kcha.org/employment/joblistingdetails.aspx?id=259>

Upcoming Events

Washington Green Schools trainings – Free!

Vancouver, WA – November 12, 2009

Trainings include all you need to know for your school to become a certified Washington Green School. <http://www.wagreenschools.org/>

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.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.energymarketplace.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 Green Schools

Public and private K-12 schools across Washington State can sign up at www.wagreenschools.org to participate in the new Washington Green Schools Program. This voluntary program provides on-line resources and tools that students, teachers, and staff can use to assess and take actions to 'green up' school campuses and operations. Schools can gain certification and awards such as a flag and public recognition.

US Department of Energy Recovery Act Clearinghouse

Information and details on the Recovery Act funding opportunities.

<https://recoveryclearinghouse.energy.gov/index.htm>

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/rcmhdm.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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