

RCM News for September 2009

A newsletter for Resource Conservation Managers in the Northwest

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SHARED RESOURCE CONSERVATION MANAGEMENT (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>.

RESOURCE CONSERVATION MANAGERS

"DOE Delivers More than \$354 Million for Energy Projects in 22 States" is an article, by staff, that includes a general description of the part of the American Recovery and Reinvestment Act of 2009 that includes the EECBG (Energy Efficiency and Conservation Block Grant) program. It, further, explains, in detail, how much money each of the 22 states (listed alphabetically) has received and how each will use its funding. Of the 22, Washington State is notable for extending its financial support to resource conservation managers:

"In addition, the state will designate Resource Conservation Managers (RCM) to support the speedy implementation and overall progress of the Recovery Act-funded energy efficiency measures. The RCMs will provide oversight and accountability, ensuring that funds are being used for their appropriate designations. Successful implementation of Washington State's program will substantially reduce greenhouse gas emissions and energy consumption, while creating hundreds of jobs statewide."

See this article in *EERE Network News*, September 14, 2009, at http://apps1.eere.energy.gov/news/progress_alerts.cfm/pa_id=238.

GREENING ACADEMIA

"Colleges Become Greener Thanks to Savvy Students," by Sarah Terry-Cobo, reports on the *Princeton Review's* second annual rating of Green Colleges. Two institutions from the Northwest made the *Princeton Review's* Green Honor Roll of 15 and both of them are from Washington State: The Evergreen State College and the University of Washington. There is a list of the 15

academic institutions on the Green Honor Roll at the end of the article. See this article carried by *Reuters* (content from *GreenBiz.com*), July 29, 2009, at <http://www.reuters.com/article/gwmBuildings/idUS9813894820090729>.

GREEN DORMITORIES

"Olympia Avenue Dormitory Welcomes Students," by staff, describes a new Washington State University building that has earned LEED Silver certification. The project incorporates geothermal heating and cooling, daylighting, water efficiencies, reflective roofing, and more. See this article in *WSU Today*, August 24, 2009, at <http://www.wsutoday.wsu.edu/Pages/Publications.asp?Action=Detail&PublicationID=15256&PageID>.

GREEN SCHOOLS

"Greening a School District," by Lyn Corum, describes the extensive, long-term, energy and water efficiency efforts of the San Diego Unified School District. They include efficient lighting with occupancy sensors, HVAC control via an EMCS (energy management control system), a central irrigation management control system, photovoltaic systems, and more. The district, which is moving to zero-energy facilities next, has achieved extraordinary energy savings and saved over a hundred million dollars in energy costs since 1994. See this five-web-page article in *Distributed Energy*, July-August, 2009, at <http://www.distributedenergy.com/july-august-2009/greening-school-district.aspx>.

FENESTRATION

"Window, Lighting and HVAC System Interactions" is a four-part article written by Greg Zimmerman, Executive Editor, *Building Operating Management*. It was published in the August 2009 issue of that publication:

Part 1: Value Engineering Windows? Here's One Mistake to Avoid. The replacement of double pane, insulating, atrium glass with single pane glass in response to a "value engineering" judgment (often a judgment of first costs only) is the mistake discussed. See Part 1 at <http://www.facilitiesnet.com/windowsexteriorwalls/article/Value-Engineering-Windows-Heres-One-Mistake-to-Avoid--11067>.

Part 2: Windows and Thermal Performance. The reader is brought up to speed on what is available now to better balance heating and cooling loads with daylighting needs. See Part 2 at <http://www.facilitiesnet.com/windowsexteriorwalls/article/Windows-and-Thermal-Performance--11068>.

Part 3: Operable Windows and IAQ. This gives some sense of the challenges involved in replacing fixed windows with operable ones. What technical issues have to be considered is briefly stated in the last sentence of the last paragraph. Basically, several kinds of data have to be analyzed before replacements should be considered. See Part 3 at <http://www.facilitiesnet.com/windowsexteriorwalls/article/Operable-Windows-and-IAQ--11069>.

Part 4: Showcase: Windows. This is a quick product review. See Part 4 at <http://www.facilitiesnet.com/windowsexteriorwalls/article/Showcase-Windows--11070>.

FLEETS

"10 Ways to Cut Fuel Costs," by Jack Lee, CEO, 4Refuel Ltd., includes descriptions of each cost-cutting measure and how they save fuel. Among the measures are driver training, slower start-ups, slower cruising speeds, and fleet tune ups and upgrades. For state and local government resource conservation managers, this article may be of particular interest. See it in *Biodiesel Magazine*, June 2009, at http://www.biodieselmagazine.com/article.jsp?article_id=3479.

BUILDING COMMISSIONING

Building Commissioning: A Golden Opportunity for Reducing Energy Costs and Greenhouse-Gas Emissions, by Evan Mills, Ph.D., Lawrence Berkeley National Laboratory (LBL), is a 65-PDF-page, July 21, 2009, report prepared for the Public Interest Energy Research (PIER) of the California Energy Commission. This is an assessment of the value of building commissioning. On PDF-page-eight (document-page-two), the author states:

These findings demonstrate that commissioning is arguably the single-most cost-effective strategy for reducing energy, costs, and greenhouse gas emissions in buildings today.

To go directly to the entire 65-PDF-document, select <http://cx.lbl.gov/documents/2009-assessment/LBNL-Cx-Cost-Benefit.pdf> . To see an LBL web page, providing a summary of the assessment with links to other pertinent information including the entire PDF, go to <http://cx.lbl.gov/2009-assessment.html> .

Job Announcements

Jobs Database at Energy Experts website:

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

Energy Jobs Website

This site provides a search for energy jobs by state, company type, or job category.

<http://www.energyjobsportal.com/>

Another Energy Jobs Website

Energyvortex.com provides a search tool for jobs.

<http://www.energyvortex.com/careercenter/>

Upcoming Events

Washington Green Schools trainings – Free!

Mill Creek – October 1, 2009

Cle Elum – October 17, 2009

Spokane – October 22, 2009

Seattle – October 27, 2009

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/>

Light Design Lab Fall Workshops - "What's New in Lighting"

Tacoma, WA – October 21, 2009

Everett, WA – October 27, 2009

Seattle, WA – October 28, 2009

Advanced registration is required. For more details and registration visit the Lighting Design lab website: <http://lightingdesignlab.com/>

October 7-10, 2009 - The Power of Partnerships: Creative Leadership in Environmental Education - North American Association for Environmental Education 2009 Conference – Portland, Oregon
<http://naaee.org/conference>

Energy Events Calendar

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

Building Operator Certification (BOC) – ongoing courses

Find out more about the program with a free BOC Informational Web Cast on October 29, 2009. You can register to view previous BOC webinars for a very reasonable cost. Topics include demand control ventilation, lighting retrofits, and IAQ fixes. Sign up for courses, including BOC Level I and II Certification, at BOC's website:

<http://www.theboc.info/index.html>

Ongoing - 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/>

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/rcmhm.shtml>

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

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