

RCM NEWS

RCM News for May 2011

A newsletter for Resource Conservation Managers in the Northwest

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Building Assessments

"[Night Walks](#)", by BetterBricks, provides useful information about assessing a building for abnormal energy use when it is unoccupied at night. Details include where to start your night walk, best tools to take and what can be determined by what you see, hear, smell and feel during non-business hours.

Electric Vehicles

"[Lead the Charge with Electric Vehicle Stations](#)" was written by Janelle Penny, Associate Editor, *Buildings*, and published in the April 2011 issue of that journal. Offering parking stalls with re-charging capabilities is one way to impress people about a school, university, or state government being committed to going "green." Charging stations could be free or they might be priced to recover costs and more.

Energy Conference

Speaker presentations from the May 2011 WSU Extension Energy Program Energy/Facilities Connections Conference are now available at <http://www.energy.wsu.edu/PublicFacilitiesSupport/PlantOperations/Conferences.aspx>.

RCMs in the News

"[Resource Conservation Manager Ron Major: Raising the Bar for Washington State](#)" is a new WSU Extension Energy Program publication highlighting Ron Major's roles and accomplishments as Resource Conservation Manager at the Washington State Department of General Administration (GA). By measuring and tracking use of energy, water and other resources, employing creative problem solving, and working as a team with a wide range of GA personnel, Major and his team have saved taxpayers \$1.9 million since 2006.

"[Banding Together to Conserve Resources](#)" is a recent article in Fluke News Plus featuring Ric Boge, Shared RCM for nine local government entities in Skagit County, Washington. With nine partners, relationships and time management are as important as energy management.

Recycling

"[How to Make Organics Recycling 'Business As Usual'](#)," by David McDonald, Resource Conservation Planner, Seattle Public Utilities, discusses the partial or complete replacement of built systems with natural systems that employ waste to help do the job. Examples include systems for the management of storm water and waste or for the conservation of water and energy.

Software for Energy Efficiency

The following are two robust software programs that offer great value for facilities at schools, universities, and government office buildings:

1. [EnergyPlus Energy Simulation Software](#) is billed as "a whole building energy simulation program that engineers, architects, and researchers use to model energy and water use in buildings." This free software was developed by the National Renewable Energy Laboratory (NREL).
2. [Sustainable Facilities Tool](#) is a free software program from the U.S. General Services Administration. It offers assistance in planning sustainable projects for various types of buildings. The Sustainable Facilities Tool can be used for small projects or for larger remodels.

Water and Energy Management

"[Cost Control](#)," by Paul Hull, is a four-web-page article in the March-April 2011 issue of *Distributed Energy*. It shows the connection between water and wastewater and energy use. Older facilities were built when energy was relatively cheap. Now, water and wastewater costs are elevated largely due to increases in energy charges. Under these new circumstances, energy management becomes an important tool for water and wastewater utilities to maintain affordable services.

Upcoming Events & Training Opportunities

Resource Conservation Management, Oregon APEM 2011 Summer Forum

- June 3, 2011 in Vancouver, WA

What RCMs, EMs, SEMP's, Sustainability Coordinators, and the like, can do for your bottom line.

Oregon Association of Professional Energy Managers

<http://www.regonline.com/builder/site/Default.aspx?EventID=970597>

Sealing Systems Energy Efficiency

- June 7, 2011 webinar

Webinar on how pump sealing systems impact energy efficiency.

Hydraulic Institute

<https://pumpsevents.webex.com/mw03051/mywebex/default.do?siteurl=pumpsevents>

Montana Energy Conference for Businesses

- June 7-9, 2011 Bozeman, MT

Theme for this conference: Developing Sustainable Energy Savings through Energy Efficiency – for the people who operate and occupy commercial buildings and the energy community that supports them.

BetterBricks, NorthWestern Energy, Montana Dept of Environmental Quality

<http://www.regonline.com/builder/site/Default.aspx?EventID=976119>

Powerful Business Conference

- June 8, 2011 Bellevue, WA

The one-day conference offers practical energy solutions for facility professionals and the trade allies who support them, and strategies to improve energy performance and sustain operational cost savings. Five concurrent tracks are the Money Side of Efficiency, Energy Management, Energy Technologies and Trends, Energy Intensive Processes, and a two hour LEED course for energy and design professionals.

Electric League of the Pacific Northwest, NWEEC

[Click here for more information.](#)

Energy Benchmarking Using Energy Star Portfolio Manager

- June 9, 2011 in Auburn, WA

Hands-on session that teaches how to utilize the EPA's Portfolio Manager database.

<http://benchmarkingworkshop.eventbrite.com/>

Fundamentals of Pumping System Assessments

- June 29, 2011 webinar
- Aug. 4, 2011 webinar

This awareness webinar gives an overview of the ASME Energy Assessment for Pumping Systems Standard.

Hydraulic Institute

<https://pumpsevents.webex.com/mw0305l/mywebex/default.do?siteurl=pumpsevents>

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 goes beyond the fundamentals and teaches a broad spectrum of energy management principles and techniques.

Northwest Energy Education Institute

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

Lighting Solutions for IEQ and Energy Performance: 2011 BOC Technical Webinar Series

- New Lighting Technology: A showcase of products and applications
July 21, 2011
- Low Cost/No Cost Lighting Strategies for Cost Savings
Sept 8, 2011

Live instructional webinars. Open to all, BOC graduates receive CEUs.

Building Operator Certification

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

Building Operator's Certification

- BOC Level I
 - Sept 2011 through Mar 2012 in Portland OR
 - October 13, 2011, ending Mar 29, 2012 in Silverdale, WAOne day a month of training and project work in building systems maintenance.
- BOC Level II
 - Oct 2011 through Mar 2012 in Portland OR

- Oct 18, 2011, ending Mar 6, 2012 in Renton, WA
One day a month of training and elective coursework in equipment troubleshooting and maintenance.

Northwest Energy Education Institute

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

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

AEE (Association of Energy Engineers) Realtime Online Seminars

Live interactive courses you can complete from your computer. Programs are generally two to three hours long, over a period of days. Dates following course names below are start dates. Check the schedule for more great courses.

- Developing a Blueprint for Sustainable Energy Savings – June 1, 2011
- Choosing and Using Lighting Controls – June 2, 2011
- Boiler & Steam System Cost Control – May 23, Aug. 22 and Nov. 29, 2011
- Motors: Operation, Efficiency & Economics – May 23, 2011
- Life Cycle Costing for Energy Professionals – June 22, 2011
- Smart Metering, Load Profiling & Demand Response – June 22, Sept. 14 and Dec. 5, 2011
- Developing an Energy Management Master Plan – July 13, Sept. 7 and Nov. 14, 2011
- Commercial HVAC Fundamentals – July 18, 2011
- Quality Lighting for High Performance Buildings – July 21 and Sept. 28, 2011
- Converting Energy Audits to Business Plans – Aug 12 and Nov. 18, 2011
- Energy Auditing Fundamentals – Aug.15, Sept. 26 and Dec. 12, 2011

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

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>

Federal Energy Management Program

Training for Federal agency managers on the latest energy requirements, best practices and technologies.

<http://apps1.eere.energy.gov/femp/training/index.cfm?CFID=1333092&CFTOKEN=cd5d7ac95e1cdc3c-A2C6A3B6-5056-BC19-15DEF0F48CE3756C>

Resources for You

BetterBricks Tools and Technical Advice for Building Operations

Best practices, tools and technical advice to help achieve more efficient, lower cost, building operations. These “tools” are grouped into: performance indicators such as tracking utility bills, benchmarking and trend logging; the top four common opportunities to reduce expensive energy-performance problems; a symptom-diagnosis tool to help identify and understand specific symptoms of poor energy performance, and; best O&M for major equipment.

<http://www.betterbricks.com/building-operations/tools-and-technical-advice>

US Department of Energy, Energy Efficiency & Renewable Energy, building Technologies Program.

The mission of the Building Technologies Program (BTP) is to develop technologies, techniques, and tools for making buildings more energy efficient, productive, and affordable. BTP focuses on improving commercial and residential building components, energy modeling tools, building energy codes, and

appliance standards. This Web site provides information and resources for industry professionals to help reduce the energy use of new and existing buildings and strengthen the nation's energy future.

<http://www1.eere.energy.gov/buildings/index.html>

Energy Events Calendar

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

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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(click on Resource Conservation in the right hand column).

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