

RCM NEWS

RCM News for November 2011

A newsletter for Resource Conservation Managers in the Northwest

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Biomass

Written by Anna Austin in the September 2011 issue of *Biomass Power & Thermal*, "[Conquering Co-Combustion](#)" is a discussion of cofiring issues as they occur in the boiler. Biomass size and fuel blending as it affects the boiler must be understood. The power plant at the University of Missouri in Columbia is being converted from biomass/coal to 100% biomass.

Combined Heat and Power (CHP)

"[Upgrading with CHP](#)," by Don Talend, was published in the September 2011 issue of *Distributed Energy*. The article looks at five case studies: the Philadelphia Four Seasons Hotel; the Sterling YMCA in Beverly, Massachusetts; two projects (an MTN Group building and ABSA Bank's Tower West complex) in South Africa, and; the Minden Gardnerville Sanitation District's cogeneration plant in Carson City, Nevada.

District Energy and LEED

"[LEED Opportunities with District Energy](#)" is a three-Web-page article written by J. Tim Griffin, PE, CEM, LEED AP, and Principal and Partner with RMF Engineering, Inc.. It was published in the September 2011 issue of *HPAC Heating/Piping/Air Conditioning Engineering*. The article provides a bit of history of district energy use since the 19th century and its eventual inclusion in the LEED (Leadership in Energy and Environmental Design) point system for both existing buildings and for new construction. Then it connects district energy with renewable energy. Finally, it presents detailed information about earning LEED points by including district energy systems on university and health-care campuses, manufacturing buildings, and municipal complexes.

Kitchens – Resources Efficiencies

"[Kitchen Appliance Upgrades Improve Water Efficiency at DOD Exchange Facilities](#)" is a four-page Best Management Practice Case Study of Commercial Kitchen Equipment from the Federal Energy Management Program of the U.S. Department of Energy, Energy Efficiency and Renewable Energy Office and published September 2011. An overall sustainability plan is driving resource efficiencies at the more than 3,000 Department of Defense (DOD) facilities operated by the DOD Exchange – a retailer of goods and services for the military. Water and energy savings are reported at the commercial kitchens at

these facilities. Illustrations and text show the four types of high-efficiency, commercial-kitchen equipment that was installed either in retrofitted or new kitchens. The equipment described includes pre-rinse spray valves, commercial dishwashers, food steamers, and ice machines. Following in-depth descriptions, other energy/water savers employed in and outside the kitchens are named, though not described. The technologies employed at the Exchange facility kitchens and elsewhere are readily available and applicable to schools, academia, and government facilities.

Resource Conservation Manager Retires

Ric Boge, Shared Resource Conservation Manager for nine agencies in Skagit County, is retiring at the end of November 2011. To learn more about Ric and his accomplishments as an RCM, go to <http://www.energy.wsu.edu/PublicFacilitiesSupport/ResourceConservation.aspx>.

Sustainability

[A Road Map for Campus Sustainability](#), the July 2011 issue of *Higher Ed Impact Monthly Diagnostic*, includes the following articles:

- "A Sustainable Approach to Sustainability," on page 7, discusses the strategy of an "integrated community of practice" across a university as opposed to "one-offs" – individual initiatives sponsored by different groups or departments that are neither coordinated nor, necessarily, long-lasting.
- "Coordinating Sustainability Efforts across Campus," on page 10, explains the need for campus leadership to be educated about what efforts are already being made to make the campus sustainable and to develop and deliver a consistent and clear message for all about the content of the campus' sustainability policy.
- "Integrating Sustainability into Curricular and Co-Curricular Programs," page 13, gives specific examples of how to make these connections.
- "Efficiency and Cost Control," page 15, shows how a cycle of energy savings followed by energy-efficiency investments can be initiated by taking advantage of low-hanging fruit (no- or low-cost resource efficiencies) and by using the resulting, cost savings for investments in energy efficiencies that require some up-front capital. These in turn can yield even more energy-dollars saved for further, more expensive investments.
- "Leveraging Early Successes to Increase Funding and Involvement," page 17, connects the four steps, above, to a resource-efficiency fund-raising campaign.

Upcoming Events & Training Opportunities

AEE (Association of Energy Engineers) Realtime Online Seminars

Live interactive courses you can take from your computer. Programs are generally two to three hours long, over a period of days. Dates following course names below are start dates.

Below is a sampling of courses – refer to website for complete list.

- Interior Lighting: LED vs. Traditional – Dec. 1, 2011
- Smart Metering, Load Profiling, and Demand Response – Dec. 5, 2011
- Justifying Energy Efficiency as a Business Investment – Dec. 9, 2011
- Advanced Lighting Retrofit Options – Dec. 12, 2011
- Energy Auditing Fundamentals – Dec. 12, 2011
- Mechanical Engineering Fundamentals for Non-Mech. Engineers – Dec. 12, 2011

- Advanced Technologies in Outdoor Lighting – Dec. 15, 2011

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

Using Data Loggers for Performance Monitoring - webinar

Online professional training to learn how to select and use data loggers for building diagnostics, commissioning, and performance verification.

- Dec. 6th and 8th, 2011 (4 hour course – two, 2-hour sessions)

Onset

<http://www.onsetcomp.com/course2>

Pump Systems Webinars

- Fundamentals of Pumping System Assessments – Dec. 8, 2011
- Variable Speed Drives Make Cents – Dec. 16, 2011

Hydraulic Institute

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

Building Operators Certification Training

BOC training over five days in December in Idaho.

- Dec. 14-16 and Dec 19-20, 2011 in Boise, ID

International Building Operators Association

https://internationalbuildingoperators.org/Training_Registration.html

Sneak Peak at the Portfolio Manager Upgrade

The new and improved Portfolio Manager, anticipated to be released in spring 2013, will be easier and more intuitive to use, with simpler access to basic functionality, colorful and easy-to-generate reports, social media-like sharing tools, and more.

Attend a free one-hour “sneak peak” webinar for more information. Register soon, as the first session filled up quickly

- Dec. 14, 15, 19, and 20, 2011

Other Portfolio Manager and Energy Star live webinars are available as well.

Energy Star

<https://energystar.webex.com/mw0306ld/mywebex/default.do?siteurl=energystar>

American Society of Healthcare Engineers (ASHE) – Peer Technical Forum

Speakers will discuss how Energy Star’s updated scale will affect hospitals and how healthcare facilities will be classified in Portfolio Manager. Free and open to ASHE members and their staff.

- Recent updates to Energy Star Portfolio Manager – Dec. 15, 2011

ASHE, BetterBricks and Energy Star

<http://asheregion10e2c.betterbricks.com/calendar>

Energy Star Benchmarking Workshop

- December 15, 2011 in Seattle, WA

Free hands-on workshop for building owners, property managers, and service providers to support compliance with the City of Seattle’s building energy benchmarking and disclosure ordinance.

City of Seattle, BetterBricks

<http://esbworkshop3-eorg.eventbrite.com/>

Portland General Electric Seminars and Webinars

Portland General Electric offers educational seminars and webinars free of charge to its commercial, industrial, and institutional customers. Similar customers of other utilities are welcome to attend for a small fee. Topics include energy management, lighting, commercial and industrial systems, as well as special topics such as water, smart grid, and leased space issues.

See website for schedule.

Portland General Electric, Energy Trust of Oregon, NEEA, Better Bricks

http://portlandgeneral.com/business/news_classes/classes/docs/class_schedule.pdf

2012 Energy/Facilities Connections Conference

- May 9-11, 2012 in Leavenworth, WA

Mark your calendars now for this invaluable annual conference that bring together experts and colleagues for training, networking, and useful information related to facilities and energy.

<http://www.energy.wsu.edu/PublicFacilitiesSupport/PlantOperations.aspx>

Building Operator's Certification

Tentative schedule and locations for Washington State BOC Level I certification courses are Spring 2012 in Everett and Lacey and Fall 2012 in Renton. For more information, and to sign up for notification, go to:

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

Resources for You

Washington State Performance contracting services

Washington State Department of Enterprise Services. (formerly General Administration) offers a program to help manage energy costs. Services include free preliminary audits, pre-qualified list of ESCO's, project management assistance, and low-interest State Treasurer financing. Available to all public entities in Washington state such as colleges, universities, cities and towns, counties, school districts, hospital districts, library districts, port districts.

<http://www.ga.wa.gov/EAS/epc/municipal.htm>

Puget Sound Energy Commercial Rebates

PSE is offering instant rebates for year-end savings on commercial lighting products. Through December 9, attend a one-day event at participating lighting vendors to receive free CFL lamps, purchase reduced cost CFLs, LEDs, and reduced-wattage T8 lamps, and speak with PSE energy-efficiency experts. [Click here for dates, locations, and vendors.](#)

Give Your Building a Holiday Too

One of the easiest ways to save energy is to turn off equipment when it's not needed. Make sure that your building takes a vacation at the same time as your agency, school, or company. Most systems let you designate holidays for the entire year, saving staff time and ensuring holiday weekdays are in unoccupied mode. Remember to check your lighting system too, since it may have separate controls.

Find out more about building scheduling at

<http://betterbricks.com/DetailPage.aspx?ID=492#EquipmentScheduling>

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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Previous issues of RCM News may be viewed at <http://www.energy.wsu.edu/PublicationsandTools.aspx> (click on Resource Conservation in the right hand column).

We welcome comments or ideas for articles. Please send to Karen Janowitz - janowitzk@energy.wsu.edu

WASHINGTON STATE UNIVERSITY
 EXTENSION ENERGY PROGRAM

www.energy.wsu.edu