

## RCM News for May 2010

A newsletter for Resource Conservation Managers in the Northwest

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### Energy/Facilities Connections Conference

Proceedings from the Energy/Facilities Connections Conference held at Leavenworth in May are now available. The conference was organized by the WSU Extension Energy Program Plant Operations, with sponsorship from NW Energy Efficiency Council, BetterBricks, MacDonald-Miller Facilities Solutions, and McKinstry. View conference proceedings at:

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

### Buildings

"Unload Your Plug Load" by Kylie Wroblaski, Associate Editor, *Buildings*, focuses primarily on office buildings. It is a short and to-the-point article about how to accomplish serious energy reductions by controlling the stand-by power used by electronic hardware. When attempts to change employee behavior fail, there are economical power-management alternatives. See this article at

<http://www.buildings.com/Magazine/ArticleDetails/tabid/3413/ArticleID/9685/Default.aspx> .

### Economics

"Clemson University Announces Three-Part Clean-Energy Plan" is an April 16, 2010 press release from the university. It summarizes a white paper that describes Clemson's plan to help develop South Carolina's green economy by offering relevant degrees and certifications, by supporting related research and applied technology, and by changing the main campus into a model for sustainability. See the press release on the Clemson website at [http://www.clemson.edu/media-relations/article.php?article\\_id=2716](http://www.clemson.edu/media-relations/article.php?article_id=2716) .

### Energy Use Data

"Energy Use Web Site Shows a Campus Where to Conserve," by Josh Keller, reports on a website from the University of California at San Diego (UCSD). Energy Dashboard is the name of a research project being conducted at the university. On the website of the same name, real-time energy use data from different areas within campus buildings are available to the public to view. Generally, this data is used for energy management by the institution. By making the data public, individuals may also use it to better understand their usage so they can reduce it. See this article, which includes a link to the website, in the Chronicle of Higher Education, March 31, 2010, at [http://chronicle.com/blogPost/Energy-Use-Web-Site-Shows-a/22187/?sid=pm&utm\\_source=pm&utm\\_medium=en](http://chronicle.com/blogPost/Energy-Use-Web-Site-Shows-a/22187/?sid=pm&utm_source=pm&utm_medium=en) .

### HVAC/R (Heating, Ventilation, Air Conditioning, and Refrigeration)

"Utility Bills, Submeters and BAS Offer Options for Monitoring Energy Consumption," written by David Cosaboon, Staff Engineer, Facility Engineering Associates, may be of interest to resource efficiency managers of state and municipal buildings. The author suggests the first step is to become familiar with

the relevant utility bills. For further detail, the installation of submeters may be necessary. Finally, BAS (building automated systems) offers the finest detail and analysis. this article in *Building Operating Management*, March 2010, at <http://www.facilitiesnet.com/energyefficiency/article/Utility-Bills-Submeters-and-BAS-Offer-Options-for-Monitoring-Energy-Consumption--11553> .

"V is for Ventilation," by Stephen Hamstra, P.E., ASHRAE HBDP LEED AP, CGD, reviews the principles underlying the ventilation projects carried out in two existing elementary schools. Then, the two case studies are presented. In both cases, large energy savings are realized. See this article in *Engineered Systems (ES)*, March 2010, at [http://www.esmagazine.com/Articles/Cover\\_Story/BNP\\_GUID\\_9-5-2006\\_A\\_10000000000000767044](http://www.esmagazine.com/Articles/Cover_Story/BNP_GUID_9-5-2006_A_10000000000000767044) .

### Solar Roofs

"Seizing Sustainability," by Kate Gawlik, Marketing Consultant, ATAS International Inc., features the thin-film photovoltaics on the roof of a Providence College building that are a deliberately visible part of the college's sustainable campus plan. View this article in *Sustainable Buildings*, February 2010, at [http://www.sustainablefacility.com/Articles/Cool\\_Roof/BNP\\_GUID\\_9-5-2006\\_A\\_10000000000000749922](http://www.sustainablefacility.com/Articles/Cool_Roof/BNP_GUID_9-5-2006_A_10000000000000749922)

### Upcoming Events & Training Opportunities

#### Energy Benchmarking Using ENERGY STAR Portfolio Manager *BOMA Portland*

June 10, 2010 in Portland, OR

A hands-on session on how to utilize the EPA's database Portfolio Manager.

<http://www.bomaportland.org/node/984>

#### West Coast Energy Management Congress

June 15 - 16, 2010 in 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.energyevent.com](http://www.energyevent.com).

#### Smart Metering, Load Profiling & Demand Response

Online live seminar – four identical sessions below:

June 21-23, 2010

Sept 8-10, 2010

Nov 3-5, 2010

Dec 13-15, 2010

A series of three live two-hour time modules, this seminar shows you how to analyze "smart meter" data to gain a clearer understanding of your electrical loads, and to use the information to control and minimize peak demand and energy costs.

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

#### Informational Webcast

*BOC*

June 22, 2010, 8:30 to 9:30 AM webcast

<http://guest.cvent.com/EVENTS/Info/Summary.aspx?e=aec6460c-9c8a-4326-adac-ed4ba4b2b3e8>

#### Operations, Maintenance, and Commissioning *Federal Energy Management Program*

July 1, 2010 - online

A no-cost training that provides an overview of operations and maintenance best practices with a focus on corrective, preventive, and predictive infrastructure requirements and commissioning for existing buildings.

[http://www1.eere.energy.gov/femp/news/events\\_detail.html?event\\_id=4032](http://www1.eere.energy.gov/femp/news/events_detail.html?event_id=4032)

### The Three R's: Repairs, Renovations and Retrofits *Building Science Experts' Session*

July 14-15, 2010 in Seattle, WA

A two-day seminar that teaches the basic knowledge needed to repair, renovate and retrofit existing buildings, and discusses building science principles.

<http://www.buildingscienceseminars.com/seminars/3rs/index.html>

### Re-envisioning the Traditional Hospital Prototype for Energy Efficiency and Human Comfort *BetterBricks and Practice GreenHealth*

July 16, 2010 – Webinar

<http://www.practicegreenhealth.org/tools/webinars/calendar/details/555>

### Building Operator Certification (BOC) – Live Technical Webinars

July 21, 2010 – Energy Tune Up – Optimizing Outside-Air Usage & Equipment Scheduling

September 16, 2010 – Energy Tune Up – Measurement Tools for Building Energy Diagnostics

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

### Building Operator Certification (BOC) – Level I and Level II Certification course schedule

Ideal for operations and maintenance staff working in public and private commercial buildings. Classes are held once a month.

#### Level I courses

Tacoma – September 14, 2010 – March 1, 2011\*

Seattle – October 19, 2010 – April 12, 2011

#### Level II Courses

Renton – September 14, 2010 – February 3, 2011\*

\* *dates subject to change*

[http://www.theboc.info/wa/schedule\\_wa.html](http://www.theboc.info/wa/schedule_wa.html)

### 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>

## Job Opportunities

### Shared RCM for Clallam County and partners

A Shared Resource Conservation Manager (RCM) position is open in Clallam County. The RCM will be hired to increase resource efficiency and reduce resource operating costs in facilities owned and operated by Clallam County, Cities of Sequim and Port Angeles, Olympic Medical Center, and Clallam Transit. See the listing at

[http://vpn.clallam.net:8083/forms/uploads/\\_120015\\_2010-17\\_SharedResourceConsMgr\\_Pkt.pdf](http://vpn.clallam.net:8083/forms/uploads/_120015_2010-17_SharedResourceConsMgr_Pkt.pdf) or

<http://www.clallam.net/employment/> .

### Shared RCM for Federal Way and Auburn

The Cities of Federal Way and Auburn are seeking to hire a Shared Resource Conservation Manager to increase resource efficiency and reduce resource operating costs in their facilities. Position closes June 4, 2010. See the listing at <http://www.cityoffederalway.com/Page.aspx?view=269&job=260> .

## Resources for You

### Operating and Maintaining EnergySmart Schools Web-Based Training

A new multimedia/online training tool developed by the US Dept of Energy to help school facilities management staff and decision-makers understand what is required to optimize energy efficiency, develop a practical O&M strategy, and put it into action.

<http://doe.cefp.org/>

The training tool is an interactive version of the Guide to Operating and Maintaining EnergySmart Schools. [http://apps1.eere.energy.gov/buildings/publications/pdfs/energysmartschools/ess\\_o-and-m-guide.pdf](http://apps1.eere.energy.gov/buildings/publications/pdfs/energysmartschools/ess_o-and-m-guide.pdf)

### King County Green Schools Program

Provides K-12 schools and school districts in King County with assistance, resources, and recognition to help improve their conservation practices. See success stories at

<http://your.kingcounty.gov/solidwaste/greenschools/participants.asp>

Website at [www.kingcounty.gov/GreenSchools](http://www.kingcounty.gov/GreenSchools)

### “Closed Loop Scoop” Newsletter

The Washington Department of Ecology publishes a consistently helpful newsletter providing articles and program information on recycling and solid waste reduction. Visit the Department of Ecology website to access this newsletter. Subscription information is contained in each newsletter.

<http://www.ecy.wa.gov/biblio/closedloop.html>

### 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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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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