

## RCM News for September 2010

A newsletter for Resource Conservation Managers in the Northwest

*In this issue:*

Buildings

Computers

Lighting

Roofing

Water – Restrooms

Job Opportunities

Upcoming Events & Training Opportunities

Resources for You

### Buildings

"Green Building Report" is a three-part article published in the July 2010 issue of *Building Operating Management*:

Part 1 is [Tips for Facility Managers to Smooth the LEED-EBOM Certification Process](#), by Wayne Robertson, PE, LEED AP. LEED-EBOM refers to the U.S. Green Building Council's certification, Leadership in Energy and Environmental Design for Existing Buildings – Operation and Maintenance. There are really four tips that are covered. The first concerns how to make the case to executive management for the value of having an existing building LEED-certified. The remaining three tips involve benchmarking, developing energy-saving strategies, and retrocommissioning. Detailed advice is included for each of the tips.

Part 2 is [Green Building and the New LEED Green Associate Credential](#), by Erin Emery, Communications Specialist, USGBC, describes recently added LEED professional credentials.

Part 3 is [Green Building News](#), by staff discusses ASHRAE 62.1, green codes, and Energy Star (for data centers).

"Updating Energy Performance in Existing Building Stock" was authored by Lona Rerick, Associate and Project Architect, Yost Grube Hall Architecture (YGH). Eight activities for improving the performance of existing buildings are named and described. The author includes references to web-based resources at the end of the article. See this article in *Northwest Construction*, August/September 2010, at [http://northwest.construction.com/opinions/2010/0728\\_UpdatingEnergyPerformance.asp](http://northwest.construction.com/opinions/2010/0728_UpdatingEnergyPerformance.asp).

"Technical Support Document: Strategies for 50% Energy Savings in Large Office Buildings" and "Large Hospital 50% Energy Savings: Technical Support Document" are technical reports recently released by the U.S. Department of Energy and its National Renewable Energy Laboratory (NREL). They provide recommendations on how to achieve 50% energy savings in these types of commercial buildings. The reports can be accessed at [http://apps1.eere.energy.gov/news/progress\\_alerts.cfm/pa\\_id=409](http://apps1.eere.energy.gov/news/progress_alerts.cfm/pa_id=409).

### Computers

"[Goshen College Goes with More Energy Efficient Computers](#)" is a June 28, 2010, press release carried on the Inside Indiana Business website. In an attempt to save energy dollars, Goshen College is switching to Mac Minis from more energy intensive PCs. See this article in the June 2, 2010 issue of *Campus Technology*.

"[How to Compute Green](#)," by Diane Peters, offers a few tips and includes a YouTube video, "Top 10: Green IT Ideas." Following these rather simple suggestions would save enormous amounts of power and

energy dollars. See this brief article in the September 13, 2010, issue of University of Waterloo's *University Affairs / Affaires Universitaires*.

## Lighting

"Lighting Design Lab to Open Outdoor Lighting Test Facility" by staff, offers background information showing the need for this facility and describes what will be tested there. This Seattle-based Lighting Design Lab project has the support of the Bonneville Power Administration, Seattle City Light, Washington State University, and South Seattle Community College. See this article in *Lighting Design Lab News*, Fall 2010, at [https://lightingdesignlab.com/LDL%202010%20fall%20news\\_.pdf](https://lightingdesignlab.com/LDL%202010%20fall%20news_.pdf).

## Roofing

"Roofing Maintenance" is a four-part article by Karen Warseck, Contributing Editor, *Building Operating Management*, published in the August 2010 issue of that trade journal:

Part 1 is Regular Roofing Maintenance: When to Inspect the Roof. Several roof testing techniques are described. See Part 1 at <http://www.facilitiesnet.com/roofing/article/Regular-Roofing-Maintenance-When-to-Inspect-the-Roof--11893>.

Part 2 is How to Inspect a Roof. Sometimes this means inspecting non-roof areas; the author explains why. See Part 2 at <http://www.facilitiesnet.com/roofing/article/How-to-Inspect-a-Roof--11894>.

Part 3 is Roofing Contractors: Do You Need One? The advantages of using in-house staff vs. using professionals who focus on roofs are explained. See Part 3 at <http://www.facilitiesnet.com/roofing/article/Roofing-Contractors-Do-You-Need-One--11895>.

Part 4 is Roofing Maintenance Cost Calculations. The author provides some useful numbers. See Part 4 at <http://www.facilitiesnet.com/roofing/article/Roofing-Maintenance-Cost-Calculations--11896>.

## Water – Restrooms

"Restroom Hygiene: The Touchless Revolution" is a three-part article by Dan Hounsell, Editor, published in the June 2010 issue of *Maintenance Solutions*:

Part 1 is [Restrooms: H1N1 Forces Managers to Refocus on Hygiene](#). The public's interest in hands-free ("touchless") restroom products is discussed and mention is made of how important these products are in schools.

Part 2 is [Restroom Hygiene: Managers Specifying Touchless, Antimicrobial Products](#). The author cautions that in addition to hygienic properties, product performance and customer satisfaction must be considered.

Part 3 is [Restroom Products: Cost, ROI, Hygiene Impact Decisions](#). Cost and ease of maintenance are further considerations.

## Job Opportunities

[Resource Efficiency Manager at Joint Base Elmendorf-Richardson in Alaska](#).

For more information, contact Francis Sheridan, Portage Inc., at 907-552-4183 or Mark Rodriguez, Environmental Compliance Consultants, at 907-644-0428.

[Resource Conservation Manager](#) position with Highline Public Schools in Burien, WA. Open until filled. <http://www.hsd401.org/employment/jobs/documents/10-11MP02ResourceConservationManager.pdf>

or

<http://www.hsd401.org/employment/jobs/documents/ResourceConservationManagerJobDescription.pdf> .

## Upcoming Events & Training Opportunities

What's New in Lighting 2010, 10:00am – 12:00pm  
Revisiting the Retrofit Process for Offices , 1:00pm – 3:00pm  
(Attend both or just one class)

- Oct. 7, 2010 in Tacoma, WA
- Oct. 13, 2010 in Everett, WA
- Oct. 21, 2010 in Bellevue, WA
- Oct. 28, 2010 in Seattle, WA

Lighting Design Lab

<http://www.lightingdesignlab.com/calendar/classes.html>

### Energy Efficiency of Data Centers

Oct. 12, 2010 in Everett, WA

Topics include how energy is consumed, industry best practices, and opportunities for improving energy efficiency in data centers.

NW Energy Efficiency Alliance

[www.nwalliance.org/participate/calendar.aspx?eventID=2490](http://www.nwalliance.org/participate/calendar.aspx?eventID=2490)

### Life Cycle Costing for Energy Professionals

Oct. 13-15, 2010 – Online Seminar

Three 2-hour teleconferencing sessions that show you how to use life cycle cost analysis as a means to quantitatively assess potential energy cost saving investments.

The Association of Energy Engineers

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

### Oregon Association of Professional Energy Managers (APEM) Fall Forum: *Impact of Electric Vehicles on the Energy Manager.*

Oct. 15, 2010 in Portland, OR

Industry experts and leaders will discuss how energy managers need to manage the interaction of electric vehicles with their buildings.

<http://www.oregonapem.org/>

### 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 meet one day a month.

#### Level I courses

Oct. 19, 2010 to Apr. 12, 2011 in Seattle

<http://www.theboc.info/wa/wa-schedule.html#se-10>

For BOC courses in Oregon, go to <http://www.nweei.org/boc.html>

### 2010 Idaho Energy and Green Building Conference

*“Making the Case: Energy Efficiency & Green Building in Tough Economic Times”*

Oct 20-21, 2010 in Garden City, ID

<http://idcities.govoffice.com/>

### Quality Lighting for High Performance Buildings

Oct. 25-26, 2010 – Online Seminar

Two live 2-hour modules about design principles and technologies which can best be used to achieve efficient, optimally performing lighting systems in buildings.

The Association of Energy Engineers

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

### 1<sup>st</sup> Annual Oregon Schools Energy Management Best Practices Workshop

Oct 28, 2010 – Tualatin, OR

A one-day interactive “how-to” forum designed for K-12 school districts.

Oregon Dept of Energy

<http://www.oregon.gov/ENERGY/CONS/SB1149/Schools/WkShp2010.shtml>

### Smart Metering, Load Profiling & Demand Response

Online live seminar –identical sessions below:

- Nov. 3-5, 2010
- Dec. 13-15, 2010

A series of three interactive 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/>

### Future Energy Conference

Nov. 9-10, 2010 in Seattle, WA

[www.futureenergyconference.com](http://www.futureenergyconference.com)

### NW Clean & Affordable Energy Conference

Nov. 12-13, 2010 in Portland, OR

<http://www.nwenergy.org/get-involved/conference/>

### 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>

## Resources for You

### Olympia School District Resource Conservation Newsletter – Green Wire

The Green Wire posts Resource Conservation news about the Olympia School District plus news and information about environmental topics that effect everyone. Puget Sound Energy recognized RCM Bonnie Meyer and the Green Wire Newsletter for Best Public Outreach in 2010.

[http://osd.wednet.edu/schools/resource\\_conservation/green\\_wire\\_newsletter](http://osd.wednet.edu/schools/resource_conservation/green_wire_newsletter)

### Building Symptom Diagnosis Tool

BetterBricks has a new online tool that helps you find the underlying cause of poor energy performance in your building. Select the appropriate equipment (including air distribution, chillers, and sensors) on the website to see a list of specific symptoms. Each symptom has a list of possible causes.

<http://www.betterbricks.com/DetailPage.aspx?ID=493> .

### 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>

**RCM News is prepared by the Washington State University Extension Energy Program**

This project is funded in whole or in part by funds made available through the American Recovery and Reinvestment Act (ARRA). This funding was awarded by the US Department of Energy through the Energy Policy Division of the Washington State Department of Commerce under Energy Efficiency and Conservation Block Grant No.DE-EE0000849

Previous issues of RCM News may be viewed at the WSU Energy Program RCM support page:

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

Send comments or ideas for articles to Karen Janowitz - [janowitzk@energy.wsu.edu](mailto:janowitzk@energy.wsu.edu)