RCM News for September 2010

A newsletter for Resource Conservation Managers in the Northwest

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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.


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:


**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.

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

Life Cycle Costing for Energy Professionals
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/

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/

1st 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

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

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
http://osd.wednet.edu/schools/resource_conservaition/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.

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

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/rcm/Meetings.aspx
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