

RCM NEWS

RCM News for May 2014

A newsletter for Resource Conservation Managers in the Northwest

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Energy Plans

“Energy Costs: Balancing the Energy Equation” is a three-webpage article in the April 2014 issue of Building Operating Management written by John Lembo. The supply and demand, or use, of water and energy are explained in relation to resource use reduction. The article also details elements of an energy master plan.

Part 1: [Energy Master Plan Can Help Manage Costs On Demand Side, Supply Side](#)

Part 2: [Demand Side Management Helps Cut Energy Consumption, Costs](#)

Part 3: [Retrocommissioning Is Often Overlooked Way To Manage Energy Costs](#)

Lighting

“Lighting Retrofits for LEDs Require Understanding Facility Needs”, written by Denise Fong and published in the May 2014 Facility Maintenance Decisions is a four-part article that looks at strategies to match the use of LEDs with a facility’s needs. LED products should be compared by metrics such as color and flicker, not just price, yet it can be challenging to compare when manufacturers describe their products’ performance in different ways.

Part 1: [Lighting Retrofits for LEDs Require Understanding Facility Needs](#)

Part 2: [Benefits and Challenges Associated with LEDs](#)

Part 3: [LED Specification Strategies](#)

Part 4: [Products: Lighting](#)

“[Forecast for Lighting Efficiency: Mostly Sunny](#)” by Carol Brzozowski was published in the May 2014 issue of *Business Energy*. Different types of lighting upgrades are discussed, such as daylighting systems that optimize daylight levels throughout the day and are weatherproof, simpler LED lighting, induction fixtures with integrated dimming controls, and lighting that works with a solar supply.

[“Alleviate Your Energy Woes with Wireless Lighting Controls”](#), published in the May 2014 issue of *Business Energy* and written by Brent Protzman first assesses the dearth of lighting controls in commercial buildings in the U.S. The article examines different types of controls for different applications and their relative energy savings, and gives tips on selecting controls.

Water

[“Keep Your Grass Lush”](#) for Less by Janelle Penny was published in the May 2014 of *Buildings*. In preparation for the summer months, this article discusses three main categories of landscape sensors that can work with your irrigation system and reduce water use.

Upcoming Events & Training Opportunities

ENERGY STAR® Portfolio Manager Trainings

All are online webinars.

- ENERGY STAR and Green Building Rating Systems – June 3
- Portfolio Manager Web Services: August 2014 Schema Changes – June 4
- Portfolio Manager Office Hours, Focus: ENERGY STAR Certification – June 19
- Portfolio Manager 101 – June 24
- Portfolio Manager 201 – June 25
- How to Apply for the ENERGY STAR – June 26

[Click here for more information](#)

US EPA

Portland General Electric Seminars and Webinars

Portland General Electric offers online webinars and paid courses open to everyone, and seminars and workshops free of charge to its commercial and industrial customers. All classes in Oregon or online.

- A CFO's Perspective on Energy Efficiency & Renewables – June 4 in Portland
- Energy Champions Workshop – June 4 in Portland
- A CFO's Perspective on Energy Efficiency & Renewables – June 12 online webinar
- Energy Efficiency for Small & Mid-sized businesses – June 25 online webinar

[PGE Energy Education Classes](#)

Portland General Electric, Energy Trust of Oregon, NEEA, BetterBricks

Energy Efficiency Expert Evaluations: A Customized Assessment Approach

This seminar describes an approach to meet site-specific energy goals by combining the features of an energy audit and retro-commissioning, while avoiding limitations of each.

- June 5 live video training

[Click here for more information](#)

DOE EERE

Better Buildings Challenge: Commercial Sector Update

Learn how Better Buildings Challenge commercial partners are achieving their energy goals.

- June 5 webinar

[Click here for more information](#)

DOE EERE

Lighting Design Lab Spring 2014 Education Series

Two intermediate-level classes are offered in one day – choose to take the morning or afternoon class, or both. *The A to Zs of LED* is a snapshot of state-of-the-art technology, while *Understanding Lighting Controls* demonstrates how to design controls for various commercial settings.

- June 10 in Billings, MT
- June 11 in Bozeman, MT
- June 12 in Helena, MT
- June 13 in Missoula, MT

[Click here for more information](#)

Lighting Design Lab and lots of partners

Commercial, Industrial, & Institutional Water Conservation

A two-day hands-on training on commercial water consuming processes and equipment.

- June 18-19, 2014 in Portland

[Click for registration information](#)

Northwest Water & Energy Education Institute (NWEEI)

Energy Management Certification

Also known as the EMC Boot Camp, this is an advanced certification program which goes beyond fundamentals and teaches a broad spectrum of energy management principles and techniques. It requires the student to implement an energy-savings project and measure the results.

- July 7 - 18, 2014 in Eugene, OR

[Click for information and registration](#)

Northwest Water & Energy Education Institute (NWEEI)

Building Operators Certification

BOC Level I certification is 74 hours of training and project work in building systems maintenance. Level II certification is 61 hours of training and elective coursework in equipment troubleshooting and maintenance. Classes usually meet one or two full days a month over a period of four to six months.

All dates below are for the first class.

- **Washington State**
 - Level I – Oct. 23, 2014 in Longview
 - Level II – Sept. 11, 2014 in Spokane
 - Level II – Sept. 11, 2014 in Olympia
 - Level II – Sept. 24, 2014 in Seattle
 - Level II – Oct. 1, 2014 in Everett

[Click for BOC Washington state information](#)

- **Oregon**
 - Level I – February 4, 2015 in Pendleton

[Click for BOC Oregon information](#)

Building Operators Certification

AEE (Association of Energy Engineers) Real-time Online Seminars

Webinars and live interactive courses you can take from your computer. Programs are generally two to three hours long, over a period of days. Topics include energy auditing, lighting controls, HVAC systems and much more. Visit their website for a complete list:

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

Resources for You

BetterBricks Tools and Resources

BetterBricks, the commercial building initiative of the Northwest Energy Efficiency Alliance (NEEA), offers many useful resources for reducing your building's energy use. [Tools and Technical Advice](#) has links to tools such as performance indicators, the top five common opportunities for better energy performance, and a symptom-diagnosis tool for systems from boilers to water distribution to motors. [Resources](#) has links to case studies, articles, and a glossary.

Do you have newsletters, websites and links to share? Do you have RCM questions?

RCM News is always looking for interesting information, tips and resources to share with other resource conservation managers. Our goal is to increase your success by sharing what you and your colleagues are doing – with energy efficiency measures, problem-solving, communication, data tracking, presentations, and more. In addition, WSU Energy Program can help find solutions to your RCM program's technical and programmatic questions. [Email Karen J](#) to share and ask!

Energy Events Calendar

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

Washington RCM Support

The Washington State University Energy Program provides RCM support. Check out the "RCMx" website: <http://www.energy.wsu.edu/PublicFacilitiesSupport/ResourceConservation/RCMx.aspx>. 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.

RCM News is prepared by the Washington State University Energy Program

This activity is funded by the U.S. Department of Energy State Energy Program. Funds provided through the Washington Department of Commerce Energy Division.

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