

# RCM NEWS

## RCM News for November 2013

A newsletter for Resource Conservation Managers in the Northwest

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### Elevators

“Showcase: Elevators,” by Karen Kroll, Contributing Editor for *Building Operating Management*, appeared in the September 2013 issue of that journal; it considers various aspects of elevators including maintenance and the need to consider modernization:

[Part 1: Consistent Elevator Maintenance Is Critical to Uninterrupted Operation](#)

[Part 2: Specify What Elevator Maintenance Contract Does and Does Not Cover, Consider Safety Codes When Planning Elevator Maintenance](#)

[Part 3: How to Know When It's Time to Modernize Elevators](#)

[Part 4: Showcase Products: Elevators](#)

### Fenestration

“Energy: Windows To Efficiency,” by Karen Kroll, Contributing Editor for *Building Operating Management*, was carried in the October 2013 issue of that journal; it reviews the basics of what can make windows energy efficient and what additional things can compromise or improve their efficiency:

[Part 1: Key Energy Use Metrics Can Help Maximize Energy Savings with Windows](#)

[Part 2: Making Windows More Efficient: Low-E Coatings, Warm-Edge Spacers, Electrochromic Glass](#)

[Part 3: Daylighting, Coatings, Installation Can All Affect Role of Windows in Energy Consumption.](#)

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

The following two articles appeared in the September issue of *Building Operating Management*; they discuss several different approaches to HVAC efficiencies; together they can assist the facilities manager in saving energy and increasing occupant comfort:

1. “Ask an Expert: Jim Newman, Newman Consulting Group,” is a four-part article that covers several important aspects of HVAC systems including effective maintenance for good efficiencies and energy savings and, when necessary, choosing replacement equipment based on a proper evaluation of a facility’s current needs:

[Part 1: Unexplored Potential in HVAC Systems](#)

[Part 2: Ensuring HVAC Operational Efficiency](#)

[Part 3: The Details of Commissioning and Retrocommissioning](#)

[Part 4: Determining the Correct HVAC Equipment Replacement](#)

2. “3 Energy-Saving HVAC Opportunities” by Loren Snyder, Contributing Editor for *Building Operating Management*, focuses on three other areas of opportunities for HVAC efficiencies:

[Part 1: Fan Efficiency Grades Can Help Decrease HVAC Energy Usage, Cut Energy Costs](#)

[Part 2: Variable Refrigerant Flow HVAC Systems Can Save Energy, Money](#)

[Part 3: Energy Recovery Is Becoming Common Way to Save on HVAC Costs](#)

## Lighting

“Ask an Expert: Jim Benya, Lighting” is a four-part article published in the October 2013 issue of *Building Operating Management*:

[Part 1: Where to Start with Lighting Upgrades](#)

[Part 2: Lighting Controls Offer Energy Efficiency, Cost Savings](#)

[Part 3: Balancing Lighting Functionality with Aesthetics](#)

[Part 4: How Natural Lighting Affects Lighting Choices.](#)

“Lighting: 18 Things to Know about LEDs,” by Eric Richman, discusses the current state of LEDs:

[Part 1: Advantages of LED Technology](#)

[Part 2: How to Address Common LED Myths During Planning](#)

[Part 3: LED Evaluation Checklist, from Codes to Costs](#)

[Part 4: Examine State, Local Energy Codes to See How LEDs Can Help Save Energy](#)

[Part 5: Some Common Applications for LED Lighting Technology.](#)

## Upcoming Events & Training Opportunities

### Deep Energy Retrofits

Speakers share best practices from deep energy retrofit practices.

- Dec. 3 online webinar

[Click for information](#)

U.S.DOE, EERE Better Buildings

### ENERGY STAR® Portfolio Manager Trainings

All are online webinars.

- Communications Strategies – Dec. 3

- Portfolio Manager for US Dept. of Education Green Ribbon Schools Applicants – Dec. 10
- Financing Energy Efficient Upgrades with Energy Star – Dec. 10
- Portfolio Manager Web Services: February 2014 changes – Dec. 11
- Energy Star and Green Building Rating Systems – Dec. 11
- Portfolio Manager 101 – Dec. 12
- Portfolio Manager 201 – Dec. 19

[Click here for more information](#)

*US EPA*

### Lighting Design Lab Open House

- Dec. 5 in Seattle

[Click here for more information and to RSVP](#)

*Lighting Design Lab*

### Pacific Northwest Smart Grid Implementation and Applications – Oregon APEM Winter Forum

The Oregon APEM Winter Forum offers discussions on smart grid topics and includes a tour of the PGE – Salem Smart Grid Center.

- Dec. 6 in Salem, OR

[Click for registration information](#)

*Oregon APEM*

### 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.

- Better Lighting, Lower Costs Workshop – Dec. 10 in Oregon City, OR

[PGE Energy Education Center webpage](#)

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

### Pumping System Optimization

This class discusses better system design, pump optimization, use of variable speed drives, and more.

- Dec. 10 in Bend, OR

[Click for registration information](#)

*NEEA, Pacific Power, ETO, EWEB, ODOE, Springfield Utility Board, BPA, WSU Energy Program, NWFPA*

### Efficient and Effective Industrial Lighting

Attendees learn about LEDs for high bays, industrial exterior lights, wired and wireless controls, and benefits of human centric lighting.

- Dec. 12 in Moses Lake, WA

[Click for registration information](#)

*NEEA, Avista, Grant Co PUD, Pacific Power, Inland Power and Light, Chelan Co PUD, BPA, WSU Energy Program, NWFPA*

### Improve Power Factor at your Facility

This webinar addresses questions about power factor, including what it is and how it differs from load factor, what causes it, how to correct it and cost to correct it.

- Dec. 17 online webinar

[Click for registration information](#)

NEEA, BPA, WSU Energy Program, NWFPA

### 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 are usually one or two full days a month.

- **Washington State**
  - Level II – Fall 2014 in Everett  
<http://www.theboc.info/wa/wa-schedule.html>
- **Oregon**
  - Level II – Feb. 26 through Jun 11, 2014 in Portland, OR  
[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

### Better Building Workforce Guidelines

The [Better Building Workforce Guidelines](#) is a set of voluntary guidelines to improve the quality and consistency of commercial building workforce training and certification programs. They are conducting a job-task analysis study for five job categories: building energy auditor; building commissioning professional; building operations professional; energy manager, and; energy performance and sustainability in government facilities. Current industry practitioners whose work falls into one or more of the categories are needed to participate in job-task analyses. Deadline to apply is December 4, 2013. The US Dept. of Energy is supporting the National Institute of Building Sciences Commercial Workforce Credentialing Council in this effort.

### ENERGY STAR Portfolio Manager updates

[Enhancements](#) are planned for the recently upgraded Portfolio Manager. To help prepare for the changes, you may try them out on the beta test side starting December 10. To receive regular updates and other information concerning Portfolio Manager, subscribe to their mailing list.

### Advanced RTU Campaign

Replacing or retrofitting your building's older, inefficient commercial rooftop unit (RTU) air conditioning system can save money, increase your building's energy efficiency, and make your building more comfortable. The [Advanced RTU Campaign](#), a collaboration between ASHRAE and the Retail Industry Leaders Association with technical support from Better Buildings Alliance and FEMP, is a recognition and guidance program designed to encourage building owners and operators to take advantage of savings

opportunities from high efficiency RTUs. The website includes savings and financial calculators, information on financial resource and technical assistance, and how to join.

**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.

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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](mailto:janowitzk@energy.wsu.edu)

