

# RCM NEWS

**Happy New Year from the folks at RCM News!**

## RCM News for December 2014

A newsletter for Resource Conservation Managers in the Northwest

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*While every URL in RCM News is checked for accuracy prior to distribution, URLs may change, and servers may temporarily fail to connect to working URLs.*

### Benchmarking

“[What’s Ahead for Mandatory Benchmarking?](#)”, written by Janelle Perry in the December 2014 issue of *Buildings Magazine*, aims to prepare building managers for possible mandatory benchmarking laws in their city. Tips to get ready, such as using Portfolio Manager and gathering meter information, can be implemented now, whether or not the disclosure policies ever transpire.

### Elevators

“Elevators”, a three-part article in the December 2014 issue of *Building Operating Management*, written by Karen Kroll, discusses reducing the energy use of elevators through new installations or retrofits. Elevator technology has become more energy efficient, though it is not efficient enough to replace elevators installed after the 1960s if they are working properly. Retrofitting elevators are best done when repairs are necessary.

Part 1: [How To Reduce Elevators’ Energy Use](#)

Part 2: [Amount of Energy Reduction Varies with Type of Technological Advance](#)

Part 3: [Retrofitting Elevators for Energy Efficiency: Pros and Cons](#)

### Energy Capital Plan

A December 2014 *Building Operating Management* article on Energy Efficiency, written by David Callan, discusses how to build a 5-year energy capital plan. Such a plan not only helps to reach energy savings goals, but also helps minimize repair costs and occupant/tenant disruption.

Part 1: [5-Year Plan Delivers Energy Savings, Stable ROI](#)

Part 2: [Use Three Steps To Build Long-Term Capital Plan](#)

Part 3: [Tie Capital Decisions To How Building Has Evolved](#)

Part 4: [Rules of Thumb to Guide 5-Year Capital Plan](#)

## Lighting

“Lighting Design” is a four-part article in the December 2014 issue of *Building Operating Management*, written by Naomi Millán, Senior Editor of that magazine. Lighting quality is often overlooked in favor of energy efficiency when discussing lighting upgrades, yet there is no universal standard of quality. Many variables, including type of tasks performed in the space, light color and intensity, and layers of lighting should be considered.

Part 1: [The Challenge of Getting Lighting Quality Right](#)

Part 2: [Good Lighting Design Needs Layers, Glare Control](#)

Part 3: [Careless Swap Outs, Uniformity Can Damage Lighting Design](#)

Part 4: [Lighting Upgrade Requires Careful Thinking, Pre-Testing](#)

## Windows

“Glazing” is a three-part article written by Ronald Kovach and appearing in the December 2014 issue of *Building Operating Management*. Energy use for heating and cooling can be reduced by the use of energy-efficient window glazing. Reducing light entering a building or allowing light in during certain seasons and times of day can reduce heating or cooling loads, and reduce need for lighting. Understanding different glazing choices and the metrics to assess energy performance helps determine the best choice for your building.

Part 1: [Glazing Options Can Manage Heat Gain, Harness Daylight](#)

Part 2: [More Glazing Choices, And Using Metrics To Assess Them](#)

Part 3: [Common Glazing Mistakes](#)

## Upcoming Events & Training Opportunities

### Success Stories and Tools for Water Use Reduction in your Building Portfolio

Saving water almost always saves energy too. The Environmental Defense Fund presents their toolkit for reducing cooling tower usage in commercial office buildings, and other organizations share how they have reduced water in their facilities.

- Jan. 6, 2015 online webinar

[Click here for more information](#)

*US DOE Better Buildings Challenge*

### Measurement and Evaluation of Program Effectiveness

An American Public Power Association webinar, part of their Energy Efficiency Webinar Series, on developing an evaluation plan that aligns with energy efficiency program goals.

- Jan. 13, 2015 online webinar

[Click here for more information](#)

*APPA*

### NW Industrial Energy Efficiency Summit

This is the 7<sup>th</sup> annual gathering of industries and energy interests working together to advance Northwest industrial competitiveness through energy efficiency.

- Jan. 14, 2015 in Portland, OR

[Click here for more information](#)

*Northwest Food Processors Association*

## ENERGY STAR® and Portfolio Manager Trainings

All are online webinars.

- Financing Energy Efficient Upgrades with ENERGY STAR® - Jan. 15, 2015
- Team up Now for the 2015 EPA National Building Competition – Jan. 19, 2015
- Portfolio Manager Office Hours: Portfolio Manager 2015 Priorities – Jan. 22, 2015
- Portfolio Manager 101 – Jan. 27
- Portfolio Manager 201 – Jan. 28
- How to Apply for the ENERGY STAR – Jan. 29

[Click here for more webinars and information](#)

US EPA

## Oregon APEM 2015 Spring Forum

Title and topic for the Spring Forum: “Decisions, Decisions, Decisions.... How to Decide When and How to Move Forward with an Energy Project”.

- Feb. 13, 2015 in Vancouver, WA

[Click here for more information](#)

Oregon APEM

## 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 – NEW classes being scheduled for 2015 – sign up for notifications for specific dates and location
  - Level I – April 7, 2015 in Seattle
  - Level I – April 22, 2015 in Tacoma
  - Level I – May 2015 in Everett
  - Level I – Fall 2015 in Renton
  - Level I – Fall 2015 in Olympia/Lacey
  - Level II – Fall 2015 in Renton

[Click for BOC Washington State information](#)

- Oregon
  - Level I – Feb. 4, 2015 in Pendleton

[Click for BOC Oregon information](#)

Building Operators Certification

## Energy/Facilities Connections conference

The theme of the 2015 annual conference is *Staying Smarter than Your Buildings*. Registration not yet open, but mark your calendars.

- May 5-7, 2015 in Leavenworth, WA

[For more information](#)

WSU Energy Program Plant Operations Support Consortium

### Energy Management Certificate

It's not too early to register for the annual "energy bootcamp" at the Northwest Water & Energy Education Institute. This is an advanced certificate program covering a wide array of energy management topics, and requires the student to implement and measure results from an energy-efficiency project.

- July 6-17, 2015 in Eugene, OR

[For more information](#)

*NWEEI*

### 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

#### Changes to Puget Sound Energy Commercial Rebates and Grants Program

PSE is making some changes to its [Business Energy Management efficiency programs](#), beginning January 1, 2015. Changes include different rebate amounts for high-efficiency commercial clothes washers, laundry water heaters, and boilers for laundry equipment, use of prescriptive rebates for 20 or less street light installations, and new discounts for tubular LED lamps.

#### Lighting Design Lab Custom Instruction

The Lighting Design Lab, based in Seattle, offers customized courses and presentations to meet your organization's needs. Class offerings include Basic Lamp Technologies, Basics of LEDs, Lighting Innovations and Trends, 2012 WA State and Seattle Energy Code – Lighting Provisions, Revisiting the Retrofit Process for Offices, and many many more. Visit their [website](#) for more topics and contact information.

#### Green Ribbon School and District Applications **closing soon!**

Washington State public and private schools, as well as public districts, are eligible to apply to be recognized as a U.S. Green Ribbon School/District. Applications are scored by a state committee, and up to four schools or districts are nominated as state finalists and forwarded on to the U.S. Dept. of Education, which selects national award recipients. Schools and districts are chosen based on significant progress towards reducing environmental impact and costs, improving the health and wellness of students and staff, and providing effective environmental and sustainability education. The deadline to apply is January 9, 2015. More information and applications are available at the [Office of Superintendent of Public Instruction website](#).

#### 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)

