

# RCM NEWS

## RCM News for April 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.*

### Data Loggers

“[Logging Occupancy to Optimize Energy Use](#)”, written by Evan Lubofsky and appearing in the April 9, 2014 *Energy Manager Today* web publication, gives a basic overview of data loggers used to sense occupancy and/or light. Occupancy has a direct impact on lighting demand, ventilation, and other building systems – data loggers can sense occupancy and thus reduce energy use. Applications and selecting the best logger for a certain application are also discussed.

### Lighting

“Close-Up: Daylighting”, written by Rita Tatum and published in the April 2014 issue of *Building Operating Management*, is a three-part article that investigates maintaining daylight harvesting systems, recommissioning, and controls. There is also a sidebar on other benefits to daylighting.

Part 1: [Use Ongoing Monitoring To Get The Most Out of Daylighting](#)

Part 2: [Controls Are Critical to Daylighting Energy Savings](#)

Part 3: [Keep Need for Future Changes in Mind When Setting Up Daylighting Systems](#)

A five-part article in the February 2014 issue of *Building Operating Management*, written by Steven Mesh and titled “Lighting Controls: Not Your Father’s Lighting Controls” discusses advanced lighting controls which increase efficiency and provide more precise control. The article includes information on how advanced controls work, their benefits, and how to implement an advanced lighting control system. Included are the different types of major strategies that advanced systems use, and steps of the commissioning process.

Part 1: [Advanced Lighting Controls Offer Better Control, More Energy Savings](#)

Part 2: [Commissioning Advanced Lighting Controls Is Critical To Maximizing Their Benefits](#)

Part 3: [Advanced Lighting Controls Offer Greater Automated Load Shedding Capability](#)

Part 4: [What To Keep In Mind When Considering Advanced Lighting Controls](#)

Part 5: [How Facility Managers Can Implement Advanced Lighting Control Systems](#)

## Water

“Ask An Expert: Becky Fedak, Water Efficiency” is a four part question and answer series published in the April 2014 issue of Building Operating Management. Geared toward facility managers, the articles discuss how to determine where a facility’s water is being used, where it can be conserved, and barriers to conservation.

Part 1: [How to Determine How Water is Used, and How Water is Being Wasted](#)

Part 2: [Less Obvious Systems to Consider in Pursuing Water Efficiency](#)

Part 3: [Net Zero Water: Is It Realistic?](#)

Part 4: [Barriers to Water Efficiency](#)

## Upcoming Events & Training Opportunities

### Energy/Facilities Connections Conference 2014

It’s almost here! Registration is now open for the 10<sup>th</sup> annual Energy/Facilities conference sponsored by WSU’s Plant Operations Support Consortium. The conference features workshops on plant operations, facilities management and efficiency.

- May 6-8, 2014 in Leavenworth, WA

[Click for registration information](#)

*WSU Energy Program*

### 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.

- It’s Becoming an LED World – May 6 in Salem
- It’s Becoming an LED World – May 7 in Portland
- Improving Human Performance with LED Lighting – May 8 in Portland
- Lighting Trends Lunch & Learn – May 8 in Portland (at lunchtime)
- Intro to HVAC Systems – May 13 in Wilsonville
- Advanced HVAC Systems – May 14 in Wilsonville
- Variable Frequency Drives – May 15 in Wilsonville
- Fundamentals of Compressed Air Systems – May 28 in Wilsonville
- Intro to Efficient Lighting & Controls – May 21 online webinar

[PGE Energy Education Classes](#)

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

### 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 – April 15, 2014 in Bend

[Click for BOC Oregon information](#)

*Building Operators Certification*

### 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.

- May 7 in Seattle
- May 13 in Everett
- May 15 in Portland
- May 22 in Boise

[Click here for more information](#)

*Lighting Design Lab and lots of partners*

### Better Buildings Summit

A national summit to catalyze investment in energy efficiency across the public, private, commercial and other sectors.

- May 7-9, 2014 in Washington, D.C.

[Click for registration information](#)

*U.S.DOE EERE Better Buildings*

### ENERGY STAR® Portfolio Manager Trainings

All are online webinars.

- Planning for Updates to the ENERGY STAR 1 to 100 Score with 2012 CBECs Data – May 8
- Benchmarking Water/Wastewater Treatment Facilities in Portfolio Manager – May 13
- Portfolio Manager Office Hours, Focus: Editing Use Details – May 15
- Portfolio Manager 101 – May 27
- Portfolio Manager 201 – May 28

[Click here for more information](#)

*US EPA*

### 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)*

### 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

### 2014 ENERGY STAR National Building Competition

Compete to be the team with the greatest energy and water savings in the [ENERGY STAR National Building Competition](#). School districts, building campuses, or any group of five or more buildings can compete to see who can reduce energy use the most between 2013 and 2014. You will receive well-deserved recognition and reduce your utility bills as well. To enter the competition, form a team and submit 2013 building energy use information to EPA before May 16. Your 2014 energy use information will be compared to 2013. Good luck!

### Lighting Energy Efficiency in Parking Campaign (LEEP)

The [LEEP Campaign](#) offers free guidance and recognition to facility owners and managers who implement energy efficiency lighting solutions in their parking facilities. The program is a collaboration between the Building Owners and Managers Association (BOMA) International, the Green Parking Council, and the International Facility Management Association (IFMA), with technical support from U.S. DOE Better Buildings Alliance. The LEEP Campaign website features an introductory webinar, case studies, and a list of participant agencies, which include cities, counties, universities, and many more.

### 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)



[www.energy.wsu.edu](http://www.energy.wsu.edu)