

# RCM NEWS

## RCM News for April 2018

### A newsletter for Resource Conservation Managers in the Northwest

*In this issue:*

Energy/Facilities Connections Conference  
Building Retuning  
HVAC  
HVAC and Lighting Systems Integration  
Interval Data  
Lighting  
Lighting Controls  
Upcoming Events & Training Opportunities  
Resources for You

*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.*

### Energy/Facilities Connections Conference May 8-10 in Leavenworth

The Countdown is On! Have you registered? A few rooms are still available at the beautiful Enzian Inn in Leavenworth! This year's theme is ***A Seat at the Table – Strategizing for Facilities Success*** and there are many great speakers and networking opportunities planned to allow you to learn about the latest in facilities management and let you collaborate with other professionals from around the state.

For information and to register, visit the [EFC Conference website](#), where you'll find the ***Agenda, and Lodging Information*** and the ***Registration form!***

### Building Retuning

In "[Retuning Buildings to Improve Performance](#)" in the April 2018 issue of *Facility Maintenance Decisions*, the writer Laurie Gilmer asks the question "How do you inspire change that leads to sustainable performance improvement?" Understand the goals that building managers want to achieve, and the drivers, which is why those goals are important to the agency. These can be reducing energy, reducing greenhouse gas emissions, or increasing occupant comfort.

## HVAC

A three-part article on HVAC in the April 2018 issue of *Building Operating Management*, written by Richard Lubinski, looks at the impact of long-term costs of operating and maintaining HVAC systems. When constructing a new building, consider the life-cycle cost of new HVAC equipment. HVAC equipment that have the least initial capital investment may not be the least expensive over its life, given energy use and maintenance costs. Systems that have lower life-cycle costs yet higher initial costs include variable refrigerant flow systems and chillers with magnetically elevated bearings. Building owners must express their desire for overall efficiency, otherwise the architects and engineers are likely to advise lowest first-cost options.

Part 1 – [How To Make The Case for Energy Efficient HVAC Equipment](#)

Part 2 – [Partnerships With Designers, Utilities Critical For HVAC Efficiency](#)

Part 3 – [To Justify HVAC Upgrades, Speak in Financial Terms](#)

## HVAC and Lighting Systems Integration

“[Best practices for HVAC and lighting controls integration](#)” is a two-page article written by Paul Kondrat appearing in the 3/15/18 issue of *Consulting-Specifying Engineer*. Energy savings may be increased by connecting the HVAC and lighting systems through controls, such as occupancy/vacancy sensors. Several ASHRAE standards recommend strategies for automated shut down of HVAC and lighting systems, when appropriate. For integration of these systems, there are concerns about who connects which wires to the control device, as well as dealing with the issue of proprietary equipment.

## Interval Data

“[4 Ways Utility Interval Data Can Give Your Energy Management Program a Strategic Boost](#)”, is written by Matt Kuo and appears in the March 28, 2018 edition of *Energy Manager Today*. This succinct article lists options for getting utility interval data for an organization, and describes ways to improve energy performance with the data.

## Lighting

A three-part article on lighting, written by Craig DiLouie for the April 2018 issue of *Facility Maintenance Decisions* focuses on developing a lighting control strategy so that both performance and energy savings are realized. Controls are easier to add when performing a lighting retrofit, although it may be difficult to overcome the initial high cost and to estimate energy savings.

Part 1 – [How Lighting Controls Reduce Energy Use](#)

Part 2 – [Knocking Down Traditional Barriers to Lighting Controls](#)

Part 3 – [Wireless Lighting Controls Have Changed The Game](#)

## Lighting Controls

BetterBricks, a project of the Northwest Energy Efficiency Alliance (NEEA) provides information, a case study, and other resources on [Luminaire Level Lighting Controls](#). A video of an installation on luminaire level lighting controls in the Pacific Tower, Seattle, as part of building modernization efforts, represents the case study.

## Upcoming Events & Training Opportunities

### ENERGY STAR® and Portfolio Manager® Trainings

All are online webinars.

- Portfolio Manager 101 – May 1
- Portfolio Manager 201 – May 8
- Portfolio Manager 301 – May 15
- Just Add WaterSense to Your Energy Efficiency Efforts – May 16
- Portfolio Manager 101 for Commercial New Construction Projects – May 17
- Best Practices for deploying EV charging stations at commercial buildings – May 23
- Ask the Expert – Most Wednesday at 9:00 AM Pacific time

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

*US EPA*

### Making Energy Efficiency a Reality

This free ASHRAE webcast focuses on achieving deep efficiency goals through strategies and policies.

Watch this webcast, which aired April 19, on demand until May 4.

[Click here for information](#)

*ASHRAE*

### Energy/Facilities Connections Conference

This year's theme is "A Seat at the Table: Strategizing for Facilities Success". This conference is a great networking and learning event not to be missed.

- May 8-10, 2018 in Leavenworth, WA

[Click here for information](#)

*WSU Energy Program Plant Operations Support Consortium*

### Efficiency Exchange Conference

Networking and learning conference for energy efficiency professionals from across the Northwest.

- May 15-16 in Tacoma

[Click here for more information](#)

*BPA, NEEA, NWPC*

### Building Operator Certification Technical Webinar Series

- Lighting Controls – Top 5 Things to Know – May 22
- Next webinars begin in September

[Click here for more information](#)

*Building Operators Certification*

### IFMA Annual Education Symposium & Tradeshow

Sponsored by the Greater Seattle Chapter of the International Facility Management Association, this 22<sup>nd</sup> annual event features a full day of sessions on important trends and practices in facility management.

- May 23 in Lynnwood, WA

[Click here for information](#)

*IFMA*

### 2018 Oregon APEM Summer Forum

The 2018 Oregon APEM Summer Forum presents “EVolution: The future of battery-powered transit, energy storage, and infrastructure”.

- June 8 in Portland

[Click here for more information](#)

*Oregon Association of Professional Energy Managers*

### Energy Management Congress

- June 20-21 in Seattle

[Click here for more information](#)

*Association of Energy Engineers*

### Annual Energy Management Certification Program

Registration is now open for the annual Energy Management Certification Program offered by the Northwest Water and Energy Education Institute (NWEEI) at Lane Community College in Eugene OR. Dates for this year’s “energy boot camp” are July 9-20th 2018.

Class size is limited to 15 participants. To register, or for more information, call Roger Ebbage, NWEEI Director at (541) 463-6160 or visit the [website](#).

- July 9-20, 2018 in Eugene, OR

[For more information](#)

*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 classes
    - Sept 25, 2018 in Renton

[Click for BOC Washington State information](#)
- Oregon
  - Level I classes
    - Sept 26, 2018 in the Portland area
  - Level II classes
    - Summer 2018 in Portland area

[Click for BOC Oregon information](#)

*Building Operators Certification*

## Resources

### Recordings of RCM Webinars

Two recent RCM Webinars provided through WSU Energy Program, are available for viewing and listening on the [WSU RCM Website](#). “Lights! Retrofits! RCM Action!” and “Save Energy & Resources with RCMs” were held January 18 and February 28, respectively. If you have a webinar idea appropriate for RCMs, or a webinar you’d like to present, email [Karen](#).

### View Past Better Buildings Solutions Webinars

Video-recordings, slides, and transcripts of completed webinars hosted by the US Department of Energy’s Better Buildings Initiative are available for viewing. See [Taking Control: Energy Data Management and Tools for Success](#) which aired April 3, 2018. View more webinars at <https://betterbuildingsolutioncenter.energy.gov/better-buildings-webinar-series>.

### Building Energy Efficiency Checklist

Checklists are a great way to remind us about things that need to be done, and can be used over and over. The City of Seattle maintains the [Northwest Energy Efficiency Council’s Building Energy Efficiency Checklist](#) on their website. In it, you will find tips to save energy for occupants, managers, and RCMs. Print it, post it, or use it to create your own extended list.

\*\*\*\*\*

### 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](#) to share and ask!

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

