

## RCM News for February 2019

### 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.*

## ANNOUNCEMENTS

**WSU Energy Program recently published a guide on energy management information system tools geared just for RCMs! See below under Articles.**

[Registration is now open](#) for the 13<sup>th</sup> Annual Energy/Facilities Connections Conference! The event takes place May 7-9, 2019 at the Enzian Inn in Leavenworth, WA. The theme of this year's conference is *Shaping a Sustainable Future*, and focuses on issues facing facilities leadership in planning for energy efficiency and resource management. Building maintenance, personnel, facilities security, and more are also addressed.

### Create Your New Career in Energy Management – Online!

Enrollment is now open for the Fall Term 2019 in either the Energy Management Degree or Water Conservation Technician Degree at the [Northwest Water & Energy Education Institute at Lane Community College](#). Both of these quality education programs award a two-year associate of applied science degree, and open many employment opportunities to the graduate. The [Energy Management Degree](#) is completely online and includes coursework and hands-on fieldwork with mentors in energy and facility management. The [Water Conservation Technician program](#) provides the graduate competency in water resources, water conservation program management, and more. Scholarships are available for both programs!

## ARTICLES

### Boilers

A three-part article on boilers, written by James Piper for the February 2019 issue of *Facility Maintenance Decisions* discusses strategies that may extend the performance life of boilers. Due to the high cost of running and maintaining boilers, it is important to understand the tasks needed to assure that they continue operating efficiently.

Part 1 – [Strategies That Extend the Performance Life of Boilers](#)

Part 2 – [The Role of Maintenance in Boiler Performance Life](#)

Part 3 – [Boilers: Repair or Replace?](#)

### Energy Management Information Systems

“[Energy Management Information Systems: A Selection Guide for Resource Conservation Managers](#)” is a new publication from the WSU Energy Program. This informative guide has the RCM in mind when discussing the different types and features of energy management information systems (EMIS). Of the many EMIS tools that exist, only a certain subset tend to be appropriate for RCMs. Considerations and questions for finding the best fit for your situation are included, as well as a few resources.

### Green Building Standards

A three-part article in the February 2019 issue of *Building Operating Management*, by Katie Stanford, looks at green building standards, and how they connect sustainable operations with sustainable design. One such overlap is how green building rating systems align with zero energy goals. Life-cycle assessments can be used during the design stage, while monitoring-based commissioning is the equal for operations. Also, having high quality data for commissioning is crucial to meet the goals made during the initial design.

Part 1 – [Connecting Sustainable Design and Efficient Operations](#)

Part 2 – [Monitoring-Based Commissioning Brings Operational Efficiency](#)

Part 3 – [Data Drives Monitoring-Based Commissioning Success](#)

### Secondary Glazing Systems

[Existing Building Energy Consumption and the Opportunity of Secondary Glazing Systems Window Attachments](#), written by Christopher Meek, is the lead article in the Winter/Spring 2019 issue of the *BOC Bulletin*. Secondary Glazing Systems (SGS) may especially be worthwhile for buildings built before 1990, after which double-pane insulated glazed windows started becoming the norm. Retrofitting a building’s envelope with SGS not only reduces energy consumption, but also increases occupant comfort, and can be installed with minimal disruption.

## UPCOMING EVENTS & TRAINING OPPORTUNITIES

### Better Buildings, Better Bodies: Strategies for Health & Wellness

Showcases design strategies, building benchmarks, and sustainability plans that focus on wellness, health, and productivity.

- March 5 online webinar

[Click here for more information](#)

*US DOE Building Buildings*

### 2019 Spring Lighting Design Lab Classes

- [Effective Office Lighting, 200 Level Class](#)
  - Mar 6, 2019 in Everett
- [Lighting for Schools K-12 Workshop – 4-hour 300 Level Hands-on Workshop](#)
  - Apr 11, 2019 in Seattle

[Click here for more information](#)

*Lighting Design Lab*

### 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
    - April 15, 2019 through October 2019 in Burlington, WA
    - Sept 25, 2019 through March 2020 in Seattle
    - Fall 2019 TBA in Tacoma
  - Level II classes
    - March 12, 2019 through August 2019 in Seattle

[Click here for BOC Washington State information](#)

- [Oregon](#)
  - Level I classes
    - Sept 2019 TBA in the Portland area

[Click here for BOC Oregon information](#)

*Building Operators Certification*

### Building Operator Certification Technical Webinar Series

- Design for Off: Dedicated Outdoor Air Systems with Heat Recovery – March 14, 2019 webinar
- Building Tune-ups in Buildings with a BAS – April 23, 2019 webinar

[Click here for more information](#)

*Building Operators Certification*

### Oregon APEM Spring Forum

“Smart Buildings, Energy Savings, and Sustainability: Are they connected?”

- March 15 in Portland

[Click here for more information](#)

*Oregon Association of Professional Energy Managers*

### Powerful Business Energy Conference

A bi-annual conference offering practical energy solutions and opportunities regarding energy efficiency projects.

- April 4 in Lynnwood, WA

[Click here for more information](#)

*Electric League of the Pacific Northwest*

### International Living Future

- April 30 – May 3 in Seattle

[Click here for more information](#)

*International Living Future Institute*

### Energy/Facilities Connections Conference

- May 7-9 in Leavenworth, WA

[Click here for more information](#)

*Washington State University Energy Program*

## RESOURCES

### Winter/Spring 2019 BOC Bulletin

The [current issue](#) of the Building Operator Certification (BOC) Bulletin is now available. In addition to the lead article on secondary glazing systems, you can read about how to deal with unhealthy air from wildfires, learn how to complete your BOC credential maintenance, and find out about the connection between BOC and the BOMA, the Building Owners and Managers Association here in the PNW.

### Lighting Videos

The [National Lighting Bureau offers videos](#) from their annual forums. View “Prescription Lighting”, “Not Your Father’s Lighting Maintenance”, “Non-Energy Benefits of Lighting”, and many more.

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### 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.

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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)

