

RCM News for August 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

Energy Efficiency as a Service – Request for Projects

Seattle City Light (SCL) is seeking 15 commercial buildings within their territory to take part in their [Energy Efficiency as a Service \(EEaS\) pilot](#). EEaS provides for deeper energy efficiency by paying for measured electricity savings over time instead of the utility providing an upfront incentive. Program requirements include implementing energy efficiency upgrades or constructing a new efficient building.

State Project Improvement Grant Notice of Funding Opportunity

Applications are being accepted now through 4:00 p.m. September 6, 2019 for eligibility approval for [State Project Improvement Grants](#) from the Washington State Department of Commerce. If approved, applicants may apply by November 15, 2019 for grant funding. The funding is available to cover the incremental costs associated with improving the energy efficiency or environmental performance of capital projects at Washington state owned facilities.

ARTICLES

Human Centric Lighting

[“Five Things to Keep in Mind When Designing Human-Centric Lighting”](#) by Craig Casey for *High Performing Buildings*, discusses human-centric lighting, which is focused on people to promote comfort and enable enhanced well-being. Ensuring the lighting system is reliable, paying attention to the quality of light, and equipping lighting controls with smart technology are a few of the items to consider.

Lighting Quality Metrics

[“CRI, Color Temperature and New Lighting Quality Metrics”](#), written by Janelle Penny for the 8/22/19 online issue of *Buildings* magazine, looks at how lighting quality is measured. While color temperature and the Color Rendering Index (CRI) have been used for years, there are newer methods to evaluate color, such as R-9. Before selecting LED lighting, consider factors such as what the room is used for, and if dimming may be an option.

Wireless Sensors

An article in the summer/fall 2019 *BOC Bulletin*, written by Melissa Sokolowsky titled [“Wireless Sensors in Demand-Controlled Ventilation \(DCV\) Applications”](#), focuses on the advantages of using wireless sensors for demand-controlled ventilation. Benefits include greater flexibility and scalable network expansion, as well as decreasing costs and advanced technology for wireless sensors.

UPCOMING EVENTS & TRAINING OPPORTUNITIES

ENERGY STAR® and Portfolio Manager® Trainings

All are online webinars.

- Portfolio Manager 101 – Sep 11
- Discovering Energy Savings with Treasure Hunts – Sep 12
- Portfolio Manager 201 – Sep 18
- Portfolio Manager 301 – Sep 24
- Saving Water in Restrooms with WaterSense – Sep 25
- Ask the Expert – Most Wednesday at 9:00 AM Pacific time

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

US EPA

Helping Cities Lead by Example: The Public Buildings Portfolio Management Initiative

This initiative integrates energy efficiency and climate goals with day-to-day operations of public buildings.

- September 12 online webinar

[Click here for more information](#)

New Buildings Institute

2019 Oregon APEM Fall Forum

The Cost of Carbon: How Big is Your Footprint?

- September 13 in Vancouver, WA

[Click here for more information](#)

Oregon Association of Professional Energy Managers

2019 Fall Lighting Design Lab Classes

Networked Lighting Controls, 1-day workshop – Sept 13 in Tacoma

- Light Sources and Luminaires – Sept 19 in Seattle
- Networked Lighting Controls in Schools – Nov 5 in Seattle
- Networked Lighting Controls, 2-day workshop – Nov 7 & 8 in Seattle
- Light, Human Perception, and Health – Nov 14 in Seattle

[Click here for more information](#)

Lighting Design Lab

Why Smart Buildings?

Panel of local experts discuss individual perspectives and experiences with smart buildings.

- Sept 17 in Seattle

[Click here for more information](#)

Smart Buildings Center

Safety Practices in Building Operations

- Sept 18 online

[Click here for more information](#)

BOC

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, 2019 through March 2020 in Seattle **[SOLD OUT]**
 - Oct 7, 2019 through April 2020 in Tacoma
 - Spring 2020 in Spokane

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

- Oregon
 - Level I classes
 - Sept 2019 in Portland area

[Click here for BOC Oregon information](#)

Building Operators Certification

Getting to Zero National Forum

- Oct 9-11 in Oakland, CA

[Click here for more information](#)

New Buildings Institute, Rocky Mountain Institute

Washington State Solar Summit

- Oct 18 in Bellevue, WA

[Click here for more information](#)

Solar Washington with many sponsors

Going Beyond Benchmarking Your Building

- Oct 23 online

[Click here for more information](#)

BOC

Clean & Affordable Energy Conference

- Dec 2 in Seattle

[Click here for more information](#)

Seattle City Light, Puget Sound Energy, Tacoma Power, CenturyLink, A&RSolar

EDUCATION RESOURCES

Energy Management and Water Conservation Technician Degrees – Lane Community College

Enroll 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 award a two-year associate of applied science degree. Scholarships are available.

Sustainable Building Science Technology Bachelor's Degree – South Seattle College

[Enrollment is open for the Fall 2019](#) innovative two-year degree program at South Seattle College. Classes and field work prepare you for the field of highly technical sustainable building operations and facility management. Classes are mostly online and geared toward the working adult.

RESOURCES

BOC quarterly newsletter

The [fall newsletter of the Building Operator Certification](#) features an article on Wireless Sensors in Demand-Controlled Ventilation (DCV) Applications (see summary under Articles above). After you've read the article – [take the quiz](#) to test your knowledge. Other articles in the newsletter include

secondary window glazing systems to improve existing window performance, and curing sick building syndrome. Interviews with BOC grads and instructors, announcements, and training opportunities round out the rest of the newsletter.

SEM Energy Modeling Method Selection Guide

A white paper has recently been released by the [NW SEM Collaborative Measurement and Verification group](#), providing an overview of different modeling methods for Strategic Energy Management (SEM) energy savings.

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

