

RCM NEWS

RCM News for September 2018

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 Day is October 5

Join the nationwide [Energy Efficiency Day](#) on October 5 to promote the positive impacts of energy efficiency and share tips to save energy and money. There is even a [toolkit](#) to help you support energy efficiency by sharing the message.

ENERGY STAR Review – Deadline October 10

Take the opportunity to give feedback on the new ENERGY STAR score models that are now active in Portfolio Manager. Comments on your broad observations, unexpected trends in your building portfolio, or other general feedback is welcome by the U.S. Environmental Protection Agency (EPA) by October 10. After receiving feedback, the EPA will analyze and communicate results. [Contact ENERGY STAR Portfolio Manager for more information and a link to submit your feedback.](#)

Washington State Energy Efficiency and Solar Grants

Applications are now being accepted by the Washington State Department of Commerce for grants that result in energy and operational cost savings or solar installations. Washington State local agencies, public higher education institutions, public school districts, and state agencies may apply. A Notice of Funding Opportunity (NOFO) application must be submitted, via email, by November 16 at 5:00 PM. Information, including the NOFO, is available at the [Energy Efficiency and Solar Grants program website.](#)

ARTICLES

Energy Management and Information Systems

A four-part article posted online on September 19, 2018 for *Building Operating Management*, written by Jessica Granderson, Hannah Kramer, and Claire Curtin, explores the broad family of tools collectively known as energy management and information systems (EMIS). Benefits, energy savings, and relative costs are listed per EMIS type, such as monthly utility bill analysis and fault detection and diagnosis. Enabling aids and barriers to success for the four stages of the EMIS life-cycle – specification and selection, installation and configuration, analytic process, and a continual commissioning process – are identified. A new campaign now in its second year, the Smart Energy Analytics Campaign is a members-only network of peer-to-peer exchange to support the use of EMIS in order to improve building performance and uncover energy-saving opportunities.

Part 1: [Energy Management and Information Systems \(EMIS\) Aid Efficiency](#)

Part 2: [How To Implement Monitoring-Based Commissioning](#)

Part 3: [Choosing the Right EMIS Option](#)

Part 4: [Smart Energy Analytics Campaign Uncovers Energy-Saving Opportunities](#)

Indoor Air Stratification

Controlling air stratification in conditioned buildings is the theme of a two-part article in the September 2018 issue of *Building Operating Management*, written by James Piper. High ceilings make it especially difficult to properly heat and cool because of the properties that make warm air rise. Appropriate fans and controls are critical for proper destratification.

Part 1: [How To Fight Air Stratification in Conditioned Facilities](#)

Part 2: [High Ceilings? Large Door Openings? Fans May Improve Comfort, Save Energy](#)

Snow Removal

Snow and ice removal, while necessary for safety, may be harmful to plants and water bodies, as well as damaging to buildings and pavement. A three-part article written by Karen Kroll for the September 2018 issue of *Building Operating Management* offers tips and guidelines for safer ways to melt ice and snow. These include different approaches to measuring salts, using safer types of salts or chemicals, and employing heat elements.

Part 1: [Hold the Salt? Sustainable Snow Removal Strategies Heat Up](#)

Part 2: [Alternative Strategies, Chemicals May Eliminate Rock Salt in Snow Removal](#)

Part 3: [Heated Piping, Snow Mats Offer Non-Chemical Options for Snow Removal](#)

Windows

A three part article on windows in *Building Operating Management*, written by Naomi Millan, Senior Editor, in the September 2018 issue, reviews six innovations in the window and glazing industry. Windows with higher energy efficiency and thermal performance, window controls, and even bird-friendly glass are described.

Part 1: [6 Next-Level Windows Technologies](#)

Part 2: [Better R-Value, Thermal Performance Highlight Window Advances](#)

Part 3: [Electrochromic Glass, Smart Controls Bring Windows Into the Future](#)

UPCOMING EVENTS & TRAINING OPPORTUNITIES

ENERGY STAR® and Portfolio Manager® Trainings

All are online webinars.

- Portfolio Manager 101 – Oct 2
- Portfolio Manager 201 – Oct 11
- Portfolio Manager 301 – Oct 16
- Minimizing Water Use in Mechanical/HVAC Systems – Oct 17
- Waste Management Strategies for a Successful Recycling Program – Oct 18
- Overview of CBECS Survey Used to Refresh ENERGY STAR Scores – Oct 25
- Ask the Expert – Most Wednesday at 9:00 AM Pacific time

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

US EPA

Best Lighting Retrofits Now and Future Impacts

Ten fast-paced talks about high-performance and innovative green building projects by ten green builders.

- October 4, 2018 in Spokane

[Click here for more information](#)

NEEA, Avista

Fall 2018 Lighting Design Lab Classes

- Fundamentals of Lighting Control – morning class
- Lighting Retrofits and Audits – afternoon class
 - Oct 9, 2018 in Seattle
 - Oct 23 in Everett
 - Nov 1 in TacomaRegister for one or both classes
- Big Box Retail Lighting
 - Nov 6 in Tacoma
 - Nov 8 in Seattle
 - Nov 13 in Everett
- Advanced Lighting Controls – 2-day class
 - Oct 18 & 19 in Seattle

[Click here for more information](#)

Lighting Design Lab

Oregon APEM Fall Forum

Airside HVAC – What a Difference Air Balancing Makes!

- Oct 12 in Vancouver, WA

[Click here for more information](#)

Oregon Association of Professional Energy Managers

Green Building Slam

Ten fast-paced talks about high-performance and innovative green building projects by ten green builders.

- October 12, 2018 in Portland

[Click here for more information](#)

Northwest EcoBuilding Guild

Portland General Electric Education

Classes and workshops are free to PGE business customers; others may attend for a fee.

- Flipping the Switch: LED Upgrade Workshop – Oct 10 class in Wilsonville, OR
- Compressed Air Workshop – Oct 24 class in Wilsonville

[Click here for more information](#)

Portland General Electric

Benchmarking Water: New Approaches and Opportunities for Buildings

- Oct 16 Webinar

[Click here for more information](#)

Better Buildings, U.S. DOE

Commercial Air Barrier & Building Enclosure Testing Workshop

This free course provides information about installation and testing according to commercial air barrier requirements in the 2015 Washington State Energy Code.

- Oct 17 in Seattle

[Click here for more information](#)

NEEC, NEEA

Variable Refrigerant Flow & Building Integrations

A free course that reviews variable refrigerant flow technology, provides case studies, and looks at various styles of building integration.

- Oct 17 webinar

[Click here for more information](#)

Forester University, Mitsubishi Electric

Building Operator Certification Technical Webinar Series

- Cash Incentives for Your Energy Projects – Oct 18 webinar

[Click here for more information](#)

Building Operators Certification

Bright Idea: Lighting Toolkit for K-12 School Districts

- Nov 6 Webinar

[Click here for more information](#)

Better Buildings, U.S. DOE

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 and Level II classes TBD in Seattle

[Click here for BOC Washington State information](#)
- Oregon
 - Level I classes
 - Sept 2019 TBD in the Portland area
 - Level II classes
 - January 9, 2019 in Portland

[Click here for BOC Oregon information](#)

Building Operators Certification

RESOURCES

Green Ribbon Schools

Is your school reducing environmental impacts and costs, providing sustainability education, and improving the health and wellness of students and staff? If yes, nominate your school for a U.S. Department of Education [Green Ribbon Schools award](#). Apply to the Washington State Office of Superintendent of Public Instruction, who will select finalists to be forwarded to the U.S. Department of Education for possible national award selection. Applications are due in December 2018.

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

