

RCM NEWS

RCM News for October 2016

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.

Building Envelope

[“Balancing Glazing, Building Envelope, and Thermal Comfort”](#), written by Lynn Petermann and Alejandra Menchaca appears in a recent issue of *High Performing Buildings* magazine. A free Glazing and Winter Comfort Tool, developed by architectural firm Payette, helps evaluate the impact of window glazing and thermal performance on occupants in winter. Although the tool may be of most interest to engineers and architects, the article explains the types of discomfort (radiant and downdraft), as well as the parameters necessary to evaluate how they are impacted.

HVAC

[“Digging Deep to Cure HVAC Inefficiency”](#) is in the October 27, 2016 issue of *Energy Manager Today*, written by Carl Weinschenk. A public school in Colorado, which was built to LEED Gold, was spending much more money than expected on its HVAC system. An energy management system, installed and paired with the building automation system, was able to identify the underlying problem and allow the staff to take corrective action.

Restrooms

“Plumbing & Restrooms” is a three-part article written by James Piper and published in the October 2016 issue of *Facility Maintenance Decisions*. Restroom upgrades are often done for aesthetic reasons, yet they are an optimal time to install water and energy savings products. Efficient lighting, code compliance, touchless fixtures, and easily-cleaned surfaces are some of the issues and decisions that can be made in preparation for an upgrade.

Part 1: [Water Saving Strategies for Plumbing and Restrooms](#)

Part 2: [Efficient Lighting Systems Key to Restroom Upgrades](#)

Part 3: [Finding Plumbing and Restroom Products that Perform](#)

Technologies

The [October 2016 Building Operating Management](#) magazine is a special technology issue devoted to new innovative technologies for facilities. Sections such as Water and Energy Efficiency, Lighting, Building Automation and Controls, and HVAC offer a quick overview and a sampling of products.

Upcoming Events & Training Opportunities

Washington's Energy Future Conference

This is the seventh year of this annual conference.

- November 1 in Seattle

[Click here for more information](#)

Northwest Environmental Business Council

Better Buildings Webinars

- The Why and How of Sub-metering Energy and Water Use in Buildings – Nov 1
- Energy Storage – Is It Right for Your Buildings? – Nov 8
- Building Envelope Tech Team Open House – Nov 9

[Click here for more information](#)

Better Buildings, U.S.DOE

School Environmental Health and Safety Workshop

Free one-day workshop held across Washington state. Includes indoor air quality concerns.

- Nov 1 in Tumwater
- Nov 2 in Redmond
- Nov 7 in Renton
- Nov 8 in Bremerton
- Nov 9 in Anacortes

[Click here for more information](#)

WA State Dept of Health

ENERGY STAR® and Portfolio Manager® Trainings

All are online webinars.

- K-12 School Energy Star Score Update Plans – Nov 2
- Submetering for Higher Education Campuses with Energy Star – Nov 8
- Portfolio Manager 101 – Nov 15
- Portfolio Manager 201 – Nov 16
- Portfolio Manager 301 – Nov 17
- Benchmarking Water/Wastewater Treatment Facilities – Dec 1
- Ask the Expert – Every Wednesday at 9:00 AM Pacific time

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

US EPA

Portland General Electric Education

Classes and workshops are free to PGE customers, others may attend based on space, fee applies.

- Electrical Safety Awareness – Nov 8 in Gresham
- Fundamentals of Electricity & Managing Costs – Nov 9 in Hillsboro
- Outdoor Lighting Upgrades – Nov 10 in Portland

[Click here for more information](#)

PGE, Energy Trust of Oregon

Lighting Design Lab Classes

The morning session focuses on lighting controls, addressable controls, DALI, and LED market trends. The afternoon session concerns issues around blue LED lighting. The Boise session does not include LED market trends.

- Nov 8 in Boise ([click here for Boise information only](#))
- Nov 9 in Everett
- Nov 10 in Bellevue
- Nov 16 in Portland
- Nov 18 in Seattle

[Click here for information and registration](#)

Lighting Design Lab

Advancing the Last Frontier: Reduction of Commercial Plug Loads

- November 22 online webinar

[Click here for more information](#)

Seventhwave

2016 Oregon APEM Winter Forum

“Leading the Market: A Look at Energy Efficiency in a Constantly Evolving Market”

- December 9 in Portland

[Click here for more information](#)

Oregon Association of Professional Energy Managers

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 – March 2017 in Seattle
 - Level I – May 2017 in Olympia
 - Level I – Sept 2017 in Renton
 - Level I – Oct 2017 in Everett

[Click for BOC Washington State information](#)

Building Operators Certification

Resources for You

Green Ribbon Schools

It's time to nominate the school or school district in Washington State who is “doing great work” for a [Green Ribbon award](#). The Washington State Office of Superintendent of Public Instruction selects finalists who are then forwarded to the U.S. Department of Education for possible national award selection. Applications are due by January 9, 2017.

Smart Building Tools

Check out the [list of tools](#) you can borrow from the Tool Lending Library at the Smart Buildings Center in Seattle. Meters galore, loggers and power loggers, leak detectors, air flow tools, IR cameras, and more.

[Read the information](#) on how to borrow tools as well as notes on how to use them and links to videos. The Smart Building Center is a program of the Northwest Energy Efficiency Council.

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

