

RCM NEWS

RCM News for July 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 Efficiency

[“Are You Sure Your Building is Running Efficiently?”](#) written by Carl Weinschenk in the July 5, 2016 online issue of *Energy Manager Today* maintains that low-hanging fruit can be picked by simply paying attention to changes in the use of the building, such as increased baselines due to increased use of plug loads, Building schedules need to be changed according to use as well.

HVAC

A three-part article on HVAC in the July 2016 issue of *Building Operating Management*, written by Rita Tatum, features current developments of pump efficiency, refrigerant flow systems (VRF), and phasing out the use of HFC refrigerants. These updates are especially important when considering a retrofit or new construction.

Part 1: [Keep Your Eye on These 3 HVAC Updates \(#1. Pump Efficiency\)](#)

Part 2: [Keep Your Eye on These 3 HVAC Updates \(#2. HFC Phaseout\)](#)

Part 3: [Keep Your Eye on These 3 HVAC Updates \(#3. VRF Systems\)](#)

Lighting

[“Big Decisions Abound as Organizations Map Their Lighting Futures”](#), by Carl Weinschenk and appearing in the July 13, 2016 issue of *Energy Manager Today*, warns energy managers that since LEDs and controls are changing so rapidly, great attention must be given to making their LED installations and retrofits “future proof”. Question vendors to make sure their products can be integrated with controls and smart lighting technologies.

Lighting Controls

[“Include Support Services in Your Lighting Control Specification”](#), written by Andy Wakefield and appearing in the online version of *High Performing Buildings*, highlights the importance of planning for more than just the product and installation of a lighting project. Additional services can include complying with codes and standards, and ensuring that the system is placed and configured properly.

School District Facility Improvement Opportunity

School districts in Eastern Washington and Eastern Oregon have an opportunity to reduce energy and water consumption through a project run and funded by the New Buildings Institute (NBI). They will analyze the district's buildings, use an energy simulation tool to identify recommendations to reduce energy and water consumption, and help the district develop best practice policies. For more information, contact [Reilly Loveland](#) at NBI.

Upcoming Events & Training Opportunities

2016 Oregon APEM Summer Social

This event is primarily for networking, but there will be a short presentation focusing on Energy Efficiency in Indoor Agriculture.

- August 11 in Portland

[Click here for more information](#)

Oregon Association of Professional Energy Managers

ENERGY STAR® and Portfolio Manager® Trainings

All are online webinars.

- What You Should Know About Financing Energy Efficiency Upgrades – Aug 16
- Introducing Waste & Materials Tracking in Portfolio Manager – Aug 18
- Portfolio Manager 101 – Aug 23
- Portfolio Manager 201 – Aug 24
- Portfolio Manager 301 – Aug 25
- Ask the Expert – Every Wednesday at 9:00 AM Pacific time

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

US EPA

Portland General Electric Education

- Energy Monitoring Tools Webinar – Aug 16
- Lighting Upgrades for Manufacturing – Aug 18

[Click here for more information](#)

PGE, Energy Trust of Oregon

Better Buildings Webinars

- Rooftop Unit Tune-Ups – Aug 17 Online
- Fall Tech Trends: Promising New Products from DOE – Sept 13

[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 – Aug 30, 2016 in Moses Lake
 - Level I – Sept 28, 2016 in Renton
 - Level I – 2017 in Silverdale
 - Level II – Sept 27, 2016 in Tacoma

[Click for BOC Washington State information](#)

- Oregon
 - Level I – Oct 5, 2016 in Tigard/Portland

[Click for BOC Oregon information](#)

Building Operators Certification

BOC Building Tool Diagnostic Webinars

CEUs available where appropriate, and upon completion of webinar and quiz.

- #5 – Addressing Indoor Air Complaints – Sept 15

[Click here for more information](#)

Builder Operator Certificate

Resources for You

BetterBricks Newsletter

The recent [BetterBricks Newsletter](#) offers articles on lighting retrofits, a building renewal strategy, and the missing energy model, among other topics. BetterBricks is the commercial building program of the Northwest Energy Efficiency Alliance (NEEA), and provides information on best practice O&M, as well as diagnostic tools for various building systems.

Can You Pass These Quizzes?

How much do you know about boilers and chillers, roof-top units, daylight controls, and commercial building airtightness? Find out by taking [pop quizzes](#) on these and other topics. Seventhwave, a nonprofit organization based in Wisconsin, offers these fun quizzes to challenge your energy knowledge.

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

