

RCM NEWS

RCM News for September 2020

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.

COVID-19 RESOURCES

ASHRAE Guidance for Building Readiness and Reopening

The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) offers guidance, links, and resources for buildings during the COVID-19 pandemic. The [commercial buildings page](#) includes recommendations on current operations, taking a holistic view of buildings, developing a preparedness plan, and specific guidance on many HVAC specifics. A separate page contains information on [building readiness](#). Links to these and other useful pages are accessible through an [infographic](#) from the ASHRAE Epidemic Task Force.

ARTICLES

Daylighting

The use of daylighting not only reduces a building's electricity costs due to fewer artificial lighting needs, it can also reduce energy use from reduced cooling of the heat generated from light fixtures. "[4 Ways to Control Daylight](#)" by BOMI International published online 9/29/20 by *Buildings Magazine*, discusses daylight autonomy, modeling analysis tools, and ways to manage daylighting for the greatest benefits.

Net Zero Hospitals

Hospitals are typically high energy users because of the diverse types of systems that they use and the necessity of around the clock operations. Peter Dahl and Manus McDevitt discuss how hospitals can move toward a goal of net zero energy use by using measures on both the supply and demand side of operations in the article “[How Hospitals Can Achieve Net Zero Energy](#)” in the September 2020 issue of *Building Operating Management*.

Retro-Commissioning

Retro-commissioning is a valuable way to identify and find solutions to meet targeted energy efficiencies and performance requirements by using in depth study and benchmarking of energy and water systems throughout facilities. “[How to Get Retro-Commissioning Right](#)” by Jeffrey Miller in the September 2020 issue of *Building Operating Management* examines the four steps of retro-commissioning, the team that is involved, and strategies to get the most out of the retro-commissioning process.

UPCOMING EVENTS & TRAINING OPPORTUNITIES

Lighting Design Lab Webinars

Free online classes.

- Power Over Ethernet – Oct 6
- Networked Lighting Controls for Healthcare Environments – Oct 20
- Networked Lighting Controls Fundamentals – Nov 3 and 4

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

Lighting Design Lab

ENERGY STAR® and Portfolio Manager® Trainings

All are online webinars.

- Introducing ENERGY STAR Tenant Space Recognition – Oct 6
- Portfolio Manager 101 – Oct 7
- Innovative Technologies Part 2 – Oct 8
- Minimizing Water Use in Mechanical/HVAC Systems – Oct 14
- Tracking GHG Emissions in Portfolio Manager – Oct 15
- Portfolio Manager 201 – Oct 21
- Portfolio Manager 301 – Oct 27
- Streamline Portfolio Manager Data Entry with Web Services – Oct 28
- Ask the Expert – Most Wednesday at 9:00 AM Pacific time

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

US EPA

Data Center Toolkit Webinar: Air Management

- Oct 7, 2020

[Click here for more information](#)

Whole Building Design Guide

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.

Contact BOC directly for information about cancellations.

All dates below are for the first class.

- Washington State
 - Level I classes
 - TBA in 2021 in Spokane
 - Level II classes
 - Oct 12, 2020 through Mar 24, 2021 in Seattle
- Oregon
 - Level I classes
 - Oct 14, 2020 through Apr 14, 2021 online
 - TBD 2020 in NE Oregon (Pendleton/La Grande)
 - Level II classes
 - TBD 2020 in Portland

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

[Click here for BOC Oregon information](#)

Building Operators Certification

Northwest Green Buildings Slam & Summit

- Oct 13-15 AND Oct 2-22, 2020

[Click here for more information](#)

Northwest EcoBuilding Guild

2020 Virtual Washington State Solar Summit

An annual information gathering and networking event for solar energy and solar adoption in Washington.

- Oct 16, 2020

[Click here for more information](#)

Solar Washington

Better Buildings Webinars

- Wastewater Treatment 2.0: The Next Phase of Energy Efficiency and Recovery – Oct 20

[Click here for more information](#)

US DOE Better Buildings

Smart Building Center Technical Webinar Series

- Grid-Interactive Efficient Buildings – Oct 21

[Click here for more information](#)

Smart Buildings Center

Getting to Zero Forum 2021

Event offering discussion and education on zero energy and zero carbon buildings.

- March 15-17, 2021 – hopefully in person in New York City

[Click here for more information](#)

New Buildings Institute

GoGreen Conference

A regional conference offering educational opportunities on sustainability for business and public sector leaders.

- April 6, 2021

[Click here for more information](#)

Washington Business Alliance

Green Transportation Summit & Expo

The 10th annual summit

- May 24-26, 2021 – hopefully in person in Tacoma, WA

[Click here for more information](#)

Green Transportation

Smart Buildings Exchange Conference

Two-day conference and trade show with the latest information and technologies in the smart buildings industry, showcasing smart city and building projects and initiatives in the Pacific Northwest.

- NEW DATE! August 24-25, 2021 – hopefully in person in Seattle

[Click here for more information](#)

Smart Buildings Center, NEEC

RESOURCES

BetterBricks and CRE Hub

One of the best repositories of resources and tools for RCMs and others working toward energy efficient commercial buildings is [CRE Hub](#), from BetterBricks, a project of Northwest Energy Efficiency Alliance. Find solutions to problems such as with sensors or chillers, learn about lighting controls, or gather information on non-energy benefits to influence management decisions on energy projects. Use the Building Lifecycle tool to narrow results for a particular type of building and activity, such as maintenance or tune-up.

Virtual Smart Buildings Week

If you missed the live virtual sessions from the recent [Smart Buildings Exchange 2020](#), you can now download session slides or watch the recording. The sessions, produced by the Smart Buildings Center, feature an interactive panel discussion on topics such as: “Using Data and Analytics to Improve Performance” and “Achieving Persistent Operational Performance”.

Benchmarking Videos

Created for the Seattle Energy Benchmarking program, eight “how-to” [benchmarking videos](#) have useful information for everyone needing or wanting to perform benchmarking. Information includes an introduction to benchmarking, data collection, using utility data, and portfolio manager. All Washington State commercial buildings greater than 50,000 SF will need to benchmark for the Clean Buildings Standard – get a jump and start now!

Washington State Clean Buildings Performance Standard

The Washington State Energy Performance Standard for covered commercial buildings will affect Washington State commercial buildings with 50,000 or more square feet of conditioned space. The standard is scheduled to become law November 1, 2020, and a voluntary efficiency incentive program will run from 2021 to 2026. Visit the [Clean Buildings website](#) for more information. WSU Energy Program is providing customer support. Contact the WSU team at cleanbuildings@energy.wsu.edu.

Smart Buildings Center Remote Learning Library & Calendar

The Smart Buildings Center (SBC) Remote Learning [Library](#) and [Calendar](#) provide a clearinghouse of training information designed as a resource for commercial energy managers, trade allies, facility managers, and those with a general interest in energy efficiency to find remote learning and training opportunities.

Lane Community College Offers Apprenticeship Program

In addition to their existing Associate’s degree program in Energy Management and Building Controls, Lane Community College in partnership with the University of Oregon, now offers the [Building Energy & Controls Apprenticeship \(BECA\) Program](#). Through paid internships, students will learn about reducing energy in commercial buildings. By the end of the internship students will be qualified to take the Association of Energy Engineers (AEE) ANSI 17024 Accredited Certified Energy Management (CEM) Certification exam. They will also have earned their Associates of Applied Science (AAS) degree, and will have opportunities to sit for the Building Operator Certification (BOC) exam and the forthcoming Association of Controls Professionals (ACP) certification exam.

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

