



RCM News for March 2024

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.

JOB ANNOUNCEMENTS

Building Emissions Performance Standard Technical Advisor

The City of Seattle's Office of Sustainability and Environment is hiring a Building Emissions Performance Standard Technical Advisor. The position will help the City of Seattle in implementing Seattle's new climate law, the Building Emissions Performance Standard (BEPS).

[Click here for position announcement.](#)

Position closes April 23rd, 2024.

ANNOUNCEMENTS

New Date for RCM Summit!

The RCM support team at WSU Energy Program is planning an RCM Summit for May 7, 2024 (changed from April 17). The 3 hour virtual meeting will feature attendee networking in break-out rooms, follow-up discussion to the March 20 Clean Buildings EMP and O&M Program Guidance webinar, and short presentations TBD. Stay tuned for more details.

Clean Buildings News from the Washington State Department of Commerce

- **Clean Buildings Performance Standard Integrated Document**

The February 2024 version of the Clean Buildings Performance Standard Integrated Document includes Tier 1 and Tier 2 buildings. It is available for [download here](#). The Standard consists of ASHRAE Standard 100-2018 and state amendments to ASHRAE 100-2018, WAC 194-50.

- **Updated Form F: Life Cycle Analysis (LCCA) Tool**

Updated Form F: Life Cycle Analysis (LCCA) Tool is a compliance document for buildings pursuing compliance through the investment path. The tool can evaluate the cost-effectiveness of various measures. The LCCA Tool can be found [here](#).

- **Tier 2 incentive Program Revised Workshop Series**

Five monthly workshops are scheduled to present program details and answer questions about “Tier 2” buildings for the Clean Buildings program. The program begins July 1, 2025. More information on Tier 1 and Tier 2 buildings can be found [here](#). The program overview is presented at the first workshop on June 13.

- [Tier 2 Program Overview \(registration\)](#) – Jun 13
- [Funding Distribution \(registration\)](#) – Aug 15
- [Building Focus \(registration\)](#) – Oct 10
- [Utilities \(registration\)](#) – Nov 14
- [Finalizing the Program \(registration\)](#) – Dec 12

- **Tier 2 Participation Survey**

There is still time to let Commerce hear from you about proposed Tier 2 guidelines that will be coming out soon. Access the [survey here](#).

Clean Buildings Incentives and Accelerator Programs

Many utilities and local jurisdictions offer incentive and accelerator programs across Washington state to assist with compliance of the Clean Buildings Performance Standard. Check the program in your territory below for announcements, dates and other information. Please note that not all are free of charge.

- Accelerator Programs
 - [Avista Clean Buildings Accelerator](#)
 - [Pacific Power Washington Clean Buildings](#)
 - [Puget Sound Energy Accelerator Program](#)
 - Virtual orientations on Apr 17, May 29, Jun 17, Jul 17
 - Kick-off dates are Jun 11, Sep 10, and Oct 29, 2024
 - [Seattle Clean Buildings Accelerator Program](#)
 - [Snohomish PUD](#)
- Incentive Programs
 - [Bellevue Clean Buildings Incentive Program](#)
 - Kick-off dates are Jun 11, Sep 10, and Oct 29, 2024

- Free webinars for Bellevue Nonprofit and Multi-Family Building Owners Achieve Clean Buildings Compliance: [Register here](#)
 - Understanding the Law and How to Comply – Apr 3 and Apr 4
 - Benchmarking your Building – Apr 10
- [Issaquah Clean Buildings Incentive Program](#)

Federal Funding for Smaller Cities, Counties and Tribal Governments

Smaller cities, counties, or Tribal governments that did not qualify for direct Energy Efficiency & Conservation Block Grant (EECBG) allocations from the federal government may now be eligible for planning project funding from the WA State Dept. of Commerce. Projects funded include:

1. Work with consultants to develop plans and strategies for energy efficiency and conservation.
2. Energy audits performed on commercial and residential buildings.
3. Public education programs to increase public awareness of energy-saving actions

Applications are due **April 1**. [Click here for more information and application materials](#)

ARTICLES

IAQ Advancements

Advancements to indoor air quality systems are bringing higher data visibility and lower costs. In "[Advancements in Smart Building Indoor Air Quality Technologies](#)", published March 19, 2024, in *Buildings.com*, Andrew Froehlich discusses technological breakthroughs allowing for lower costs and more accurate data. With the advancement of AI among other intelligent monitoring systems, optimal airflow and ventilation rates are found, providing a healthier indoor environment for building occupants.

Spring Season Preparation

As spring season approaches, HVAC systems should be prepared to avoid seasonal allergies. In "[How to Prepare Your School's HVAC System for Spring](#)", published March 15, 2024, in *Buildings.com*, Peter Snow focuses on how a building's HVAC system can use MERV 13 filters to reduce the effect of seasonal allergies.

Switching to Smart Lighting

While LED bulbs become more mainstream, avoiding potential mistakes for lighting upgrades becomes more valuable. In "[Switching to Smart Lighting: How to Convince Upper Management](#)", published March 14, 2024, in *Facilitiesnet.com*, Howard Riell discusses how effective communication about the upgrade to energy efficient lighting systems can maximize the benefits of LEDs.

UPCOMING EVENTS & TRAINING OPPORTUNITIES

➤ ALL EVENTS VIRTUAL UNLESS OTHERWISE NOTED ◀

ENERGY STAR® and Portfolio Manager® Trainings

All online webinars

- Portfolio Manager 101 – Apr 2
- Lessons Learned with Onsite and Offsite Renewable Electricity Projects – Apr 4
- Part 1: A Beginner's Guide to Using Portfolio Manager for Benchmarking Law Compliance – Apr 10
- Achieving Water and Cost Savings in Capital Improvement Projects – Apr 17
- Part 2: Using Benchmarking Results to Understand Your Building's Performance – Apr 24
- Portfolio Manager 301 – Apr 25
- How to Apply for ENERGY STAR Certification – May 2
- Ask the Expert – every other Wednesday

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

U.S. EPA ENERGY STAR

Seattle City Light HVAC Controls Upgrade Incentives Webinar

- Take Control and Save Money with Seattle City Light's HVAC Controls Upgrade Incentives Webinar – Apr 4

[Click here to register](#)

[Click here for more information](#)

Seattle City Light, Lighting Design Lab

Pump Systems Matter

Virtual live instructor-led course is designed to review in detail the how pump input power is calculated based on torque and speed measurements, or the measurement of electrical input power.

- Check Valve Selection to Minimize Waterhammer – Apr 10
- Introduction to Vibration in Rotodynamic Pumps – Apr 16
- Pump & System Fundamentals Course: Pt 1 – Apr 17
- Pump & System Fundamentals Course: Pt 2 – Apr 17
- Transient Pressure Monitoring: Assessing Waterhammer – Apr 24
- Vibration Measurement and Allowable Values for Rotodynamic Pumps: Pt 1 – May 8

[Click here for more information](#)

Hydraulic Institute and Pump Systems Matter

Clean Buildings Performance Standard – Facts, Myths, and Misinformation

Free online classes

- Apr 16 in Seattle, from 1:00 to 4:30 PM

[Click here for more information](#)

Smart Buildings Center

Building Operator Certification. Smart Buildings Center Webinars

- Driving Electric Vehicle Charging Infrastructure – Apr 17
- Realizing the Benefits of Demand Flexibility, Response & Management – May 15
- Harnessing Waste Heat Recovery and Thermal energy Storage for Efficiency – Sep 18

[Click here for more information](#)

Smart Buildings Center

Lighting Design Lab Webinars

Free online classes

- HVAC's Role in Electrification Roadmaps – Apr 18

[Click here for more information](#)

Lighting Design Lab

Energy Management Trainings and Certifications

Upcoming in person trainings to be held in Bellevue

- Certified Measurement & Verification Professional (CMVP®) Training Program, Bellevue, Apr 29-May 2
- Certified Building Commissioning Professional (CBCP®) Training Program, Bellevue, Apr 29-May 3
- Carbon Auditing Professional (CAP™) Training Program in Bellevue, Apr 29-May 1
- Certified Business Energy Professional (BEP®) Training Program in Bellevue, Apr 29-May 3
- Certified Renewable Energy Professional (REP™) Training Program, Bellevue, Apr 29-May 2
- Energy Efficiency Practitioner (EEP™) Training Program, Bellevue, Apr 29-May 1

[Click here for more information](#)

The Association of Energy Engineers

AEE West: Energy Conference & Expo

- May 1-2 in Bellevue, WA

[Click here for more information](#)

Association of Energy Engineers

2024 National Fundamentals of Energy Efficient Building Operations – Spring

BOC course providing the basic principles of energy efficiency awareness and practices in commercial buildings. Six half-day classes.

- May 7 through Jun 5 via Zoom

[Click here for more information](#)

Building Operators Certification

Clean & Affordable Energy Conference

- May 7 in Boise, WA

[Click here for more information](#)

Northwest Energy Coalition

EFX24: Efficiency Exchange 2024

- May 14-15 in Coeur d'Alene, ID

[Click here for more information](#)

Northwest Energy Efficiency Alliance

Getting to Zero Forum

- May 21-23 in Charlotte, NC

[Click here for more information](#)

New Buildings Institute

Building Operator Certification. BOC 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
 - Level I class
 - June 4 – Oct 10, 2024 via Zoom
 - Sept 25, 2024 – Jan 23, 2025 in Seattle
 - Level II class
 - Oct 2, 2024 – Jan 30, 2025 via Zoom

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

- Oregon
 - Level I class
 - Jun 13 to Dec 5, 2024 via Zoom

[Click here for BOC Oregon information](#)

Building Operators Certification, Northwest Water & Energy Education Institute

WAMOA Regional Training Seminars

The Washington Association of Maintenance and Operation Administrators (WAMOA) hosts regional training seminars for maintenance and custodial workers in school districts.

- Region 7 – Jun 20 in West Richland, WA
- Region 9 – Jun 25 in Everett, WA
- Region 3 – Jun 27 in Battleground, WA

[Click here for more information](#)

Washington Association of Maintenance and Operation Administrators

Smart Buildings Exchange

A three day hybrid conference connecting participants to the latest information and technologies in the smart buildings industry.

- Aug 27- 29 in Seattle + virtual

[Click here for more information.](#)

Smart Buildings Center

Forth Roadmap Conference

A three day hybrid conference connecting participants to the latest information and technologies in the transportation industry.

- Sep 24-26 in Detroit

[Click here for more information](#)

Forth

BCxA 2024

- 2024 BCxA Annual Conference – Oct 2-4 in Las Vegas, NV

[Click here for more information](#)

Building Commissioning Association

WAMOA 2024

- Fall Conference – Oct 2-4 in Yakima

[Click here for more information](#)

Washington Association of Maintenance and Operation Administrators

RESOURCES

Access Water Data Collection Resources

Tracking water data is an integral part of maintaining water-efficient buildings. The Better Buildings Solution Center has a page dedicated to resources for monitoring and tracking water data and includes technical water meter selection guidelines, water audit guidance, an Excel-based water use demand calculator, an Excel-based landscape water budget tool, and much more. The full list of resources can be found [here](#).

Remote Learning Library

Check out the Smart Buildings Center's [Remote Learning Library](#). This online resource lists many on-demand webinars organized by the Smart Buildings Center, BetterBricks, NEEA and others. The list can be filtered to allow searching by title, organizer, description and subject categories. Search categories include: energy efficiency, demand response, building operations, benchmarking, building tune-ups, smart building technologies, and grid-enabled buildings.

Energy Talk Cards

A set of approximately 150 cards developed by BetterBricks provides key learning points about building systems, stressing that when there is a change to one system, other systems may be impacted. Each of the [Energy Talk Cards on Commercial Energy Efficiency](#) states a question and has an answer and discussion points. Topics include building envelope, plug loads, HVAC controls, motors, and even utility bill analysis and inspection checklists. This is a great learning tool for team discussions.

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 the RCM team](#) 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 email to RCM@energy.wsu.edu.

