



RCM News for May 2024

A Newsletter for Resource Conservation Managers in the Northwest

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ANNOUNCEMENTS

Webinar: Occupant Engagement Program Case Study: WSU's Energy + Comfort Campaign

This no-cost WSU Energy Program RCM webinar highlights a unique occupant engagement program on WSU's Pullman campus, which aims to reduce energy use and increase occupant comfort through behavioral interventions and regular communications. [Click here for more information and to register](#) for the June 5 12:00 PM Pacific Time webinar.

State Project Improvement Grants

Applications are being accepted through early June for the Washington State Department of Commerce State Project Improvement Grants. Eligibility is limited to state agencies including public institutions of higher education. Grant funding covers costs to redesign building projects in order to increase energy efficiency. The pre-application webinar can be viewed [here](#). For more information and solicitation materials, visit the [SPI website](#).

Clean Buildings News from the Washington State Department of Commerce

- Attend webinars to learn about the February 2024 updates to the Clean Buildings Performance Standard
 - Workshop materials are available from the May 9 webinar on enhanced payments for the Clean Buildings Tier 1 Early Adopter Incentive Program and Energy Audit Incentives.
 - [Slide Deck](#)
 - [Recording](#)
 - [Register](#) for the webinar on Meeting the EUI for Tier 1.

- **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

- **Clean Buildings Performance Standard Integrated Document**

The most recent version of the Clean Buildings Performance Standard Integrated Document includes Tier 1 and Tier 2 buildings and 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](#).

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 and new programs may not yet be listed.

- Accelerator Programs
 - [Avista Clean Buildings Accelerator](#)
 - [Pacific Power Washington Clean Buildings](#)
 - [Puget Sound Energy Accelerator Program](#)
 - Info sessions: Jun 17, Jul 17, Aug 21, Sep 18, Oct 15
 - Kick-off dates: Jun 4, Sep 10, and Oct 29, 2024
 - [Seattle Clean Buildings Accelerator Program](#)
 - [Snohomish PUD](#)

- Incentive Programs
 - [Bellevue Clean Buildings Incentive Program](#)
 - [Issaquah Clean Buildings Incentive Program](#)
 - Bellevue and Issaquah are teaming up to provide free webinars on the Clean Buildings Standard for owners and operators:
 - Helping Nonprofits & Multifamily Owners Achieve Clean Buildings Compliance – June 20 – [Register here](#)

ARTICLES

Artificial Intelligence in Facilities

In their article, "[Artificial Intelligence in FM: The Stakeholder's Perspective](#)", published in the May/June issue of the *Facilities Management Journal*, authors Jake Smithwick, Kenneth Sullivan, and Nneka Ubi discuss the lack of knowledge about applications, benefits, and implementation challenges of artificial intelligence (AI) in facility management. Use of AI is still limited, yet widespread integration is crucial for efficient and sustainable buildings. Ongoing education and training, and strong partnerships with technology providers, can meet the many hurdles of AI, including integrating with existing systems, high cost of initiating AI solutions, and a gap in technology skills among FM professionals.

Building Information Modeling

Digital representations of the physical and functional characteristics of buildings, known as building information modeling (BIM), can help monitor, operate, and maintain facilities so that they are more energy efficient and cost-effective. In a two-part article on BIM in the May 2024 issue of *Building Operating Management*, the author Dan Hounsell discusses the use of BIM in new construction for energy efficiency, efficient maintenance planning, and asset tracking, yet other benefits may include identifying the source of leaks and other potential risks.

Part 1: [The Unexpected Benefits of BIM](#)

Part 2: [3 Roadblocks to BIM](#)

HVAC

Technological developments in HVAC, the refrigerant mandate, and HVAC emerging technologies were a few of the topics discussed by industry leaders at the recent AHR Expo, as reported in a two-part article in the May 2024 issue of *Building Operating Management*, written by Dave Lubach. Emerging technologies include heat pumps for large-scale HVAC systems, and smart building integration which can improve predictive maintenance and better occupant comfort.

Part 1: [HVAC: What's in Store for 2024 – and Beyond](#)

Part 2: [HVAC: Emerging Technologies for the Future](#)

UPCOMING EVENTS & TRAINING OPPORTUNITIES

➤ ALL EVENTS VIRTUAL UNLESS OTHERWISE NOTED ◀

Decarbonizing schools: From starting points to advanced strategies

- June 2 (note webinar is in Central Time)

[Click here for more information](#)

slipstream

2024 Better Buildings Summer Webinars

- In Case You Missed It: 2024 Better Buildings Summit Sampler – June 4
- Hacking the Code: Building Performance Standard Integration, Implementation, and Stories – June 11
- Turning Waste into Wealth: Sustainable Food Management Strategies – June 18
- Financing the Future: Innovative Solutions for Decarbonization – June 25
- Fail to Plan, Plan to Fail: How Emissions Reduction Planning Helps Partners Meet Climate Goals – July 2
- There's a Heat Pump for That: Multifamily Decarbonization Solutions – July 16
- Quality on Tap: Water Reuse Technology – July 23
- Building Owner spotlight: DOE's Smarter Smaller Buildings Campaign – July 30

[Click here for more information](#)

U.S. DOE Better Buildings

ENERGY STAR® and Portfolio Manager® Trainings

- Portfolio Manager 101 – June 4
- To Efficiency & Beyond! How to Benefit from Benchmarking Compliance with Strategies for Improving Energy – June 6
- Portfolio Manager 201 – June 11
- Conducting a Water Assessment from Start to Finish – June 12
- Designing to Achieve Energy Performance Goals using ENERGY STAR Metrics – June 18
- Financing Energy Efficiency Projects: What to Know Before You Sign – June 25
- Portfolio Manager 301 – June 27
- Ask the Expert – every other Wednesday

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

U.S. EPA ENERGY STAR

Net-Zero Buildings: Cost-Effective and Sustainable for New Construction

- July 24

[Click here for more information](#)

Whole Building Design Guide, Federal Energy Management Program (FEMP)

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
 - Sept 12, 2024 to Mar 6, 2025 via Zoom
 - Looking for a Level II class – contact the Oregon NWEEI

[Click here for BOC Oregon information](#)

Building Operators Certification, Northwest Water & Energy Education Institute

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, MI

[Click here for more information](#)

Forth

BCxA 2024 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

IFMA World Workplace 2024

- Oct 9-11 in San Antonio, TX

[Click here for more information](#)

International Facility Management Association

RESOURCES

ESG + Facility Management

IFMA, an international association for facility management professionals, has various resources for building decarbonization. Resource categories include overview & awareness focusing on environmental social governance, decarbonization guides & roadmaps, and references & tools. Visit their [Building Decarbonization Resources](#) for more information.

Clean Buildings Performance Standard Document Library

The Clean Buildings Performance Standard (CBPS) has a webpage listing guides, flowcharts, and tools to facilitate accurate interpretation of the CBPS. These documents are now available on the [Clean Building Performance Standard Document Library](#) page. New to the Library this Spring are two guidance documents: 025 [Initial Access to the Clean Buildings Portal](#), which provides instructions on how to gain initial access to the Clean buildings Portal; and, 026 [Granting Shared Access](#), which provides instructions on how to grant shared access to authorized users.

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.

RCM News is prepared by the Washington State University Energy Program

This activity is funded by the U.S. Department of Energy State Energy Program. Funds provided through the Washington Department of Commerce Energy Division.

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.

