



RCM News for January 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

Water Conservation Manager

Seattle Public Utilities (SPU) has an opening for a full-time Water Conservation Manager to help lead water conservation initiatives. The successful applicant will lead the refinement of regional water conservation programs, advise SPU's senior leadership, ensure equitable delivery of conservation programs, and more. The City of Seattle encourages people of all backgrounds to apply, including people of color, immigrants, refugees, women, LGBTQ, people with disabilities, veterans, and those with diverse life experience. This position is open to all qualified candidates that meet the minimum qualifications.

[Click here for position announcement.](#)

Position closes February 13th, 2024 at 4:00 PM Pacific Time.

ANNOUNCEMENTS

Clean Buildings Tier 2 incentive Program Workshop Series

The Washington State Department of Commerce has scheduled six monthly workshops to present program details and answer questions about “Tier 2” buildings for the Clean Buildings program. These buildings may be eligible for incentives. Tier 2 buildings have a gross floor area of 20,000-50,000 sf²; multifamily buildings over 20,000 sf² are also included. All workshops via Zoom.

- [Incentive Program Workshop Kickoff](#) – Feb 22
- [Incentive Guidebook and Resources](#) – Apr 11
- [Workshop #3 Funding Distribution](#) – Jun 13
- [Workshop #4 Building Focus](#) – Aug 15
- [Utility Workshop](#) – Oct 10
- [Final Workshop](#) – Dec 12

Decarbonization Plans for District Energy Systems

In January the Washington State Department of Commerce hosted the first rulemaking workshop for [House Bill 1390](#), which amends the Clean Buildings Law to require decarbonization plans for certain publicly-owned district energy systems, and optional plans for certain campus district energy systems. A [kick-off recording](#) and [slide deck](#) of the January 18, 2023 workshop are available for viewing. Future workshops are February 8 ([register here](#)) and March 7 ([register here](#)).

Clean Buildings Programs and Workshops

Many utilities and local jurisdictions offer Incentive programs, accelerator programs, and workshops across the 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](#)
 - Kick-off dates are Jan 23, Mar 19, Jun 11, Sep 10, and Oct 29, 2024
 - [Seattle Clean Buildings Accelerator Program](#)
 - Snohomish PUD
 - Coffee Chat – [Feb 13](#) and [Mar 6](#)
 - Next Cohort begins Mar 26, 2024)
- Incentive Programs
 - [Bellevue Clean Buildings Incentive Program](#)
 - [Issaquah Clean Buildings Incentive Program](#)
- Workshops
 - [Spokane Workshop](#) sponsored by AEE Inland Empire, ASHRAE, IFMA, & WAMOA
 - WA Clean Buildings Performance Standards – Facts, Myths, and Misinformation
 - Feb 15 in person
 - [Tacoma-Pierce County Clean Buildings Symposium](#) – Feb 23 in person

ARTICLES

ASHRAE Updates

[“ASHRAE Shifts Focus to Decarbonization in Existing Buildings”](#), published on January 23, 2024 in *Buildings.com*, discusses ASHRAE's latest version of its energy efficiency standard for existing buildings. The ANSI/ASHRAE/IES Standard 100-2024 has been expanded to incorporate building decarbonization, offering a code-ready building performance standard for various building types. The key updates include new metrics for establishing greenhouse gas emissions targets, emphasizing energy management plans, low-carbon equipment integration, and ongoing operations and maintenance programs. ASHRAE President Ginger Scoggins underscores the standard's role in shaping building regulations to meet evolving sustainability needs.

Lighting's Role in Decarbonization

In [“Lighting's Role in Decarbonization Efforts”](#), published on November 3, 2023 in *Facilitiesnet.com*, the author Craig DiLouie explores the role that lighting can play toward decarbonization, which is a priority in the United States and elsewhere. Operational efficiencies can be maximized by installing LED luminaires, lighting sensors, and networked lighting that can generate data for energy management and can lead to greater occupant comfort. The evolving decarbonization trend's influence on the economics of lighting retrofits is outlined, emphasizing the need for building owners to adopt holistic approaches for sustained benefits.

Strategies for Lighting

In the *Facilitiesnet.com* article, [“Mastering Lighting Upgrades: Strategies for Success and Cost-Efficiency”](#), authored by Dan Hounsell and published on January 8, 2024, the intricacies of managing advanced lighting upgrades are examined through a case study of a Michigan public school system. The article underscores the crucial balance between aesthetics and functionality in overseeing lighting projects and emphasizes the significance of understanding facility needs. The school district implemented successful lighting upgrades, leading to substantial energy savings, reduced maintenance costs, and enhanced visual conditions for students.

UPCOMING EVENTS & TRAINING OPPORTUNITIES

ENERGY STAR® and Portfolio Manager® Trainings

All online webinars

- How to Apply for Tenant Space Recognition – Feb 1
- Portfolio Manager 101 – Feb 6
- Verifying the Application for ENERGY STAR Tenant Space Recognition – Feb 13
- Portfolio Manager 201 – Feb 15
- Portfolio Manager 301 – Feb 27
- Portfolio Manager 101 – Mar 5
- Portfolio Manager 201 – Mar 6
- Ask the Expert – every other Wednesday

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

U.S. EPA ENERGY STAR

Better Buildings Webinar Series

All online webinars

- From Workplace to Living Space: Converting Commercial Buildings to Multifamily Homes – Feb 1
- The New Cool: The Transition to Low-GWP and Natural Refrigerants – Feb 6
- Tracking and Tackling: Reducing Commercial Tenant and Scope 3 Emissions – Feb 13
- Illuminating Impact: Integrated Lighting Campaign Gives Back to the Community – Feb 27
- Getting a Handle on Clean Hydrogen – Mar 5, 2024

[Click here for more information](#)

US DOE Better Buildings

Lighting Design Lab Webinars

Free online classes

- Seattle's Brand-New Building Emissions Performance Standard: What You Need to Know Now – Feb 1
- SEM – Fundamentals of Strategic Energy Management and What It Can Do For You and Your Facility – Feb 13
- Improving Energy Performance and Achieving Decarb Goals With US DOE's 50001 Ready™ and Superior Energy Performance 50001™ – Feb 15

[Click here for more information](#)

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.

- Factory Performance Testing: Hydraulic, Mechanical, and Hydrostatic – Feb 6
- Introduction to Controlled-Volume Metering Pumps – Feb 8
- Pump Power and Efficiency Calculations – Feb 14
- Attainable Pump Efficiency for Rotodynamic Pumps – Feb 15
- Assessing Pumping Systems for Optimization (Two part webinar) – Feb 20 and Feb 22

[Click here for more information](#)

Hydraulic Institute and Pump Systems Matter

Energy Management Trainings and Certifications

- Transport Energy Auditing Certificate Training Program – Feb 6-7
- Premier Certified Energy Manager (CEM®) Training Program – Feb 12-16
- Certified Energy Auditor (CEA®) Training Program – Feb 19-22
- Certified Business Energy Professional (BEP®) Training Program – Feb 26-Mar 1
- Certified Renewable Energy Professional (REP™) Training Program – Feb 26-28
- Climate Action Certificate Virtual Training Program – Feb 28-29

[Click here for more information](#)

The Association of Energy Engineers

IFMA Webinars

Free online events

- Revolutionizing FM: A Deep Dive into AI's Impact on Operational Efficiency – Feb 7
- 3 Strategies to Cut Energy and Operating Costs – Feb 8
- Anything Can Happen, Anyone Can Help: Part 2 – Feb 14
- Best Practices: Unlocking New Potential through a Full Building Lifecycle Approach – Feb 15
- Keys to Successful Campus Planning: FCAs & Accurate Asset Data – Feb 15

[Click here for more information](#)

IFMA

Building Operator Certification. Smart Buildings Center Webinars

- Exploring the Versatile Applications of Building Automation Systems (BAS) – Feb 21
- Refrigerants' Role in the Decarbonization Movement – Mar 20
- Driving Electric Vehicle Charging Infrastructure – Apr 17

[Click here for more information](#)

Smart Buildings Center

Illuminating Engineering Society Webinars

- LED Drivers and Reducing Flicker – Feb 29
- Museum Lighting Controls: Striking a Balance – Mar 28

[Click here for more information](#)

Illuminating Engineering Society, Pacific Northwest National Laboratory

Building Operator Certification. Fundamentals of Energy Efficient Building Operations

The Fundamentals of Energy Efficient Building Operations provides foundational level concepts of building systems, energy efficiency, and sustainability. Successful completion of the course (resulting in a Fundamentals Certificate) can be paired with one-year of experience for a student to meet eligibility requirements for BOC Level I.

- Six classes Mar 6 – Apr 4 via Zoom

[Click here for more information and to register](#)

Building Operators Certification

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
 - March 27 – August 15, 2024 for Washington residents via Zoom
 - Summer 2024, dates TBA, via Zoom
 - Sept 25, 2024 – Jan 23, 2025 in Seattle
 - Level II class
 - Oct 2, 2024 – Jan 30, 2025 in Seattle, for Oregon and Washington residents

[Click here for BOC Washington State information](#)
- Oregon
 - Level I class
 - Jan 4 to Jul 11, 2024 via Zoom

[Click here for BOC Oregon information](#)
 - Level II class will not run this year. Enroll with Washington Partners
Building Operators Certification, Northwest Water & Energy Education Institute

National Facilities Management and Technology Conference and Expo

- Mar 12-14, 2024 in Baltimore, MD

[Click here for more information](#)

National Facilities Management & Technology

WAMOA Leadership Seminar

- Mar 21-22, 2024 in Leavenworth, WA

[Click here for more information](#)

Washington Association of Maintenance and Operation Administrators

Better Buildings, Better Plants Summit

- Apr 2 to Apr 4, 2024 in Washington, D.C.

[Click here for more information](#)

U.S. Department of Energy, Better Buildings

EFX24: Efficiency Exchange 2024

- May 14-15, 2024 in Coeur d'Alene, ID

[Click here for more information](#)

Northwest Energy Efficiency Alliance

Getting to Zero Forum

- May 21-23, 2024 in Charlotte, NC

[Click here for more information](#)

New Buildings Institute

BOMA 2024

International Conference & Expo

- July 13 to July 16 in Philadelphia, PA

[Click here for more information](#)

Building Owners and Managers Association

Smart Buildings Exchange – Save the Date

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

- Aug 27- 29, 2024 in Seattle + virtual

[Click here for more information.](#)

Smart Buildings Center

Forth Roadmap Conference – Save the Date

Electric transportation conference

- Sep 24-26, 2024 in Detroit

[Click here for more information](#)

Forth

BCxA 2024 – Save the Date

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

[Click here for more information.](#)

Building Commissioning Association

RESOURCES

Map a Career in Green Buildings

The [Green Buildings Career Map](#) is a highly interactive tool for a broad audience including educators, career advisors, employers, students, and job seekers. The map is divided into four sectors: Architecture, Engineering & Other Professional Services, Building Operations/Facility Management, Commercial & Institutional Construction & Retrofitting, and Residential & Multifamily Construction & Retrofitting. The map explores 55 green buildings and energy efficiency jobs across these four major sectors of the green buildings and energy industry and charts possible progression and advancement within and between sectors.

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 is [Guidance Document CBPS 016](#) published 09/13/2022 and updated: 12/21/2023. This document provides descriptions, instructions, and location of the Clean Buildings Performance Standard compliance forms for Tier 1 covered buildings.

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

