



RCM News for August 2024

A Newsletter for Resource Conservation Managers in the Northwest

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ANNOUNCEMENTS

Clean Buildings News from the Washington State Department of Commerce

Commerce's Clean Buildings Team hosted Part 1 of their 2-pt training event on compliance requirements for a district energy system's decarbonization plan and the Clean Buildings Performance Standard. The [recording \(YouTube\)](#) and [slide deck](#) are available online.

- **New Version of the Clean Buildings Performance Standard Integrated Document Available**

The Department of Commerce has announced a new version of the Clean Buildings Performance Standard integrated document that updates rules around decarbonization of district energy systems. Commerce has partnered with ASHRAE to present an integrated version of Standard 100 with Washington-centric amendments from WAC 194-50. The July 2024 version includes new forms specific to grouped facilities and campuses, new terms and definitions related to the revision. Though the new tools, you can properly report campus district energy systems. You can [download the new document](#) on the Department of Commerce website

- **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.

- [Building Focus \(registration\)](#) – Oct 10
- [Utilities \(registration\)](#) – Nov 14
- [Finalizing the Program \(registration\)](#) – Dec 12

WA Dept of Commerce Clean Buildings Law Monthly Office Hours

- Sep 24 – [Sign-Up here](#)
- Oct 22 – [Sign-Up here](#)

2023 Benchmarking Enforcement Grace Period ends September 1, 2024

Seattle property owners required to submit benchmarking data for reporting year 2023 have until September 1, 2024 to submit an accurate benchmarking report to the Office of Sustainability and Environment. Noncompliant properties could see fines between \$2,000 and \$4,000 depending on building size. Visit the [Benchmarking Instructions Page](#) at the Seattle Office of Sustainability and Environment website for further information.

Tier 2 Incentive Funding Distribution Survey

Commerce has launched a new survey to better understand how building owners intend to implement the Tier 2 reporting requirements and what costs may be associated with compliance. The survey closes Friday, Sep 6. 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 and new programs may not yet be listed.

- Accelerator Programs
 - [Avista Clean Buildings Accelerator](#)
 - [Pacific Power Washington Clean Buildings](#)
 - [Puget Sound Energy Accelerator Program](#)
 - PSE Info sessions: Sep 18, Oct 15
- Kick-off dates: 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 supporting owners/operators of large buildings (920,000+ sf) to understand the WA Clean Buildings Law and complete benchmarking:
 - Clean Buildings Incentive Program: Helping Multifamily Buildings Achieve Compliance – Sep 18 – [Register here](#)
 - Clean Buildings Incentive Program: Intro to the Law & How to Comply – Sep 25 – [Register here](#)
 - Polychlorinated Biphenyls (PCBs) Awareness & Removal Workshop – via zoom – Nov 19 – [Register here](#)

ARTICLES

Excellence in Integrated Lighting Systems

The [USDOE's Integrated Lighting Campaign](#) recognized 16 organizations for their exemplary commitment to energy efficiency and environmental responsibility and two more for their exemplary support for lighting system improvement. Local awardees include the Washington State School for the Blind in Vancouver, WA for advanced uses of sensors and controls as well as white-tunable LEDs for exploring impacts on circadian responses of students and faculty. Efficient lighting at WSSftB saves 68,000 kWh per year. Also awarded for excellence in the use of sensors and controls was the Fluke Corporation, a supplier of electrical test equipment based in Everett, WA. Fluke upgraded over 2,000 fixtures from fluorescent and halide to LED over two years while integrating Luminaire Level Lighting Controls (LLLC) into each fixture.

Other notable awardees include the Main Branch of the New York Public Library, The City of Memphis, TN for LED upgrades to 77,000 street fixtures, and the Center for Energy and Environment (CEE), which has supported lighting upgrades saving 917 GWH and averting 715,000 tons of CO₂ emissions over its nearly 25-year history. Read more on [Energy.gov](#)

Luminaire Level Lighting Controls

In an interview with BetterBricks posted to the Smart Building Center, Seattle-based VECA Electric & Technologies project manager Chris Gilmore discusses the benefits of LLLC integration into individual lighting fixtures, as well as the benefits a more granular approach can have when considering a complex array of energy codes across the region. [Watch the interview](#) on the Smart Building Center's website.

Funding your Building Renewal

In [Part 2 of the Building Renewal Series](#), BetterBricks discusses the challenges of securing financing for a topic many funding sources may not be well aware of. The author addresses topics such as capital choices, underwriting, and appropriate financing terms. BetterBricks also offers links to several outside resources, including U.S. Department of Energy's Database of State Incentives for Renewables & Efficiency (DSIRE).

Predictive Maintenance

Predictive maintenance (PdM) technologies are emerging as a key part of many institutional and commercial maintenance strategies. By using technologies such as infrared imaging and vibration analysis, engineers and maintenance staff can determine what specific actions to take to best preserve the life and performance of machinery. While these practices may work well in a long-term maintenance strategy, the author notes that many facilities teams are stuck in a reactive pattern, without the bandwidth to move to a more proactive, supportive methodology. In their article [Predictive Maintenance Technologies Enhance Energy Efficiency](#), Facilitiesnet senior editor Dan Hounsell discusses different PdM strategies and the best ways to integrate them into your maintenance planning.

UPCOMING EVENTS & TRAINING OPPORTUNITIES

➤ ALL EVENTS VIRTUAL UNLESS OTHERWISE NOTED ◀

Lighting for health, safety & productivity while achieving greater energy savings

- Sep 5 (note webinar is in Central Time)

[Click here for more information](#)

slipstream

ENERGY STAR® and Portfolio Manager® Trainings

- Financing Energy Efficiency Projects: What to Know Before You Sign – Sep 4
- Portfolio Manager 101 – Sep 5
- Energy Efficiency Innovation Hub: Disrupting the Status Quo to Overcome Barriers – Sep 10
- Energy Benchmarking Water and Wastewater Treatment Plants – Sep 17
- Portfolio Manager 201 – Sep 19
- Portfolio Manager 301 – Sep 24
- Benchmarking Properties with Onsite Renewable Energy Generation – Sep 26
- Using Advanced Metering Infrastructure to Reduce Facility Water Use – Nov 20
- Ask the Expert – every other Wednesday

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

U.S. EPA ENERGY STAR

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 [Sold Out]
[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 NWEEL
[Click here for BOC Oregon information](#)

Building Operators Certification, Northwest Water & Energy Education Institute

Lighting Design Lab Webinars

Free online classes

- Best Practices for Navigating City Light's Incentive Processes – Sep 12
- Act Now – Last chance on city Light Incentives Sunsetting at Year End! – Sep 17
- Net Zero with Mike Dieterich – In-person option! – Oct 10

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

Lighting Design Lab

Harnessing Waste Heat Recovery & Thermal Energy Storage for Efficiency

- Sep 18 - Virtual

[Click here for more information.](#)

Smart Buildings Center

2024 Summer Social

- Sep 18 – Seattle

[Click here for more information](#)

Seattle 2030 District

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

2024 Better Buildings Events & Webinars

- Looking to the Future: Advancing Commercial Building Plug and Process Load Efficiency and Control – Sep 25

[Click here for more information](#)

U.S. DOE Better Buildings

BCxA 2024 Annual Conference

- Oct 2-4 in Las Vegas, NV

[Click here for more information](#)

Building Commissioning Association

WAMOA Annual Conference 2024

- Fall Conference – Oct 2-4 in Yakima

[Click here for more information](#)

Washington Association of Maintenance and Operation Administrators

ET Summit 2024

California's emerging technologies summit

- Oct 8 & 29 - Sacramento

[Click here for more information.](#)

Emerging Technologies Coordinating Council

IFMA World Workplace 2024

- Oct 9-11 in San Antonio, TX

[Click here for more information](#)

International Facility Management Association

Building Commissioning Association Classroom Learning

BCxA has grouped all their workshops into one. This week includes the two-day new Construction and Existing building workshop and the one-day Building Enclosure workshop.

- Nov 4-8 - Seattle

[Click here for more information](#)

RESOURCES

Clean Buildings Performance Standard Customer Support

There are a few ways to get your questions answered and receive support for Washington State Clean Buildings compliance. The Smart Buildings Center (SBC) offers technical support through the [Clean Buildings Performance Standard Helpdesk](#), which is a utility-sponsored helpdesk providing technical assistance, resources, and trainings. You can also contact the Clean Buildings team at the Washington State Department of Commerce by [email](#) for questions and support or fill out their [Customer Support Form](#).

- [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](#).

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.

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.

