



## RCM News for July 2024

### A Newsletter for Resource Conservation Managers in the Northwest

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#### JOB ANNOUNCEMENTS

##### Energy & Sustainability Fellow

The City of Bellevue is seeking an Energy & Sustainability Fellow, an entry-level 10-month hybrid position starting September 2024. The fellow will lead and support projects related to energy efficiency, building electrification, and decarbonization in both municipal and community buildings.

[Click here for position announcement.](#)

Open until filled.

#### ANNOUNCEMENTS

##### Energy Efficiency Retrofits Grants

Over \$14 million in [Energy Efficiency Retrofits Grants](#) is soon available from the Washington State Department of Commerce (Commerce). **Commerce will begin accepting applications on Aug 26, 2024, and all applications are due by 4 p.m. on Sept 25, 2024.** Applicants must be public entities in the state of Washington, and include Federally-recognized Tribes within Washington, K-12 public school districts, public higher education institutions, and local and state agencies. Eligible activities

include HVAC replacements and upgrade, lighting, windows, heat pump purchase and installation, campus or district energy efficiency measures, and more.

## Clean Buildings News from the Washington State Department of Commerce

- **Energy Audits Incentive Program**

Commerce's Energy Audits Incentive Program for Public Buildings offers \$20 million to assist publicly owned buildings required to participate in the CBPS and the Early Adopter Incentive Program with the cost of energy audits. [Click here for more information on the program and to apply.](#)

- **Decarbonization of District Energy Systems training series**

- [Part 1 – Aug 1](#)
- [Part 2 – Aug 22](#)

- **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. 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.

- [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](#). Further training on Form F, including an introduction provided by the Department of Commerce 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**

- o [Avista Clean Buildings Accelerator](#)

- o [Pacific Power Washington Clean Buildings](#)
  - o [Puget Sound Energy Accelerator Program](#)
    - One-hour Info sessions – [Aug 21, Sep 18, Oct 15](#)
    - [Accelerator Kickoff dates – Sep 10, Oct 29](#)
  - o [Seattle Clean Buildings Accelerator Program](#)
  - o [Snohomish PUD](#)
- **Clean Buildings Incentive Programs**
    - o [Bellevue Clean Buildings Incentive Program](#)
    - o [Issaquah Clean Buildings Incentive Program](#)
    - Free Training Webinar for Bellevue and Issaquah Buildings.  
WA Clean Buildings Law – A Closer Look & Benchmarking – Aug 14 – [Register here](#)

## ARTICLES

### Benchmarking in Existing Buildings

Energy Efficiency has evolved over the last half-century of building management from an afterthought to a comprehensive, interdisciplinary approach. As more regulatory approaches have come about for new construction, until recently, existing buildings have been more or less left on their own, as energy codes often only touch new construction. This is changing rapidly as more localities and states implement mandatory benchmarking and building performance standards. Author Ray Segars, An AEE CEM and LEED Green Associate, discusses effective ways for building owners to build up their benchmarking profile and why it is important, beyond regulatory reasons, in [Benchmarking and Beyond: The Spotlight on efficiency in Existing Buildings](#), published July 19, 2024 in *Buildings Magazine*.

### Building Renewal

"[What is Building Renewal](#)" is the first in a new series in which Better Bricks, a project of the Northwest Energy Efficiency Association, discusses the complex decision-making process that goes into revitalizing a building with many systems as it approaches the end of design life. Building renewal comprehensively assesses areas for efficiency improvements over the lifecycle of all systems, refreshing operational plans, and providing space for informed decisions in financial planning and investment strategies. The article series continues to examine strategies and examples for concepts like financing, strategic operations and maintenance, Measurement and Verification, and recognizing common pitfalls of building renewal programs.

### Chiller Lift

There are many ways to quantify the efficiency of an HVAC system. Chiller lift, or refrigerant temperature lift, represents the temperature delta between hot water as it exits the condenser and cold water as it exits the chiller. In "[What is Chiller Lift](#)", published in *Buildings Magazine* January 2024,

Lauren Brant, editor, discusses ways to calculate this difference and how it factors into your chiller efficiency and total loads.

## UPCOMING EVENTS & TRAINING OPPORTUNITIES

➤ ALL EVENTS VIRTUAL UNLESS OTHERWISE NOTED ◀

### 2024 Better Buildings Summer Webinars

- The Better Buildings Commercial Building Heat Pump Accelerator: Goals, Impacts, and Opportunities – Aug 6

[Click here for more information](#)

*U.S. DOE Better Buildings*

### ENERGY STAR® and Portfolio Manager® Trainings

- Portfolio Manager 101 – Aug 6
- How to Apply for Tenant Space Recognition – Aug 8
- Verifying the Application for ENERGY STAR Tenant Space Recognition – Aug 13
- Portfolio Manager 201 – Aug 15
- Portfolio Manager 301 – Aug 20
- Saving Water and Costs in Restrooms with WaterSense – Aug 28
- Portfolio Manager 101 – Sept 5
- Ask the Expert – every other Wednesday

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

*U.S. EPA ENERGY STAR*

### Cyber 101: Understanding Cybersecurity Basics for Facility Staff

- Aug 13

[Click here for more information](#)

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

### Smart Buildings Exchange

A three day hybrid conference connecting participants to the latest information and technologies in the smart buildings industry. Sessions include indoor environmental quality field results, campus-scale decarbonization, fault detection & diagnosis, and lots more!

- Aug 27- 29 in Seattle + virtual

[Click here for more information.](#)

*Smart Buildings Center*

### BOC Credential Maintenance Event

Free, in-person event in the afternoon following the Smart Buildings Exchange in Seattle

- Aug 29 in Seattle

[Click here for more information.](#)

*Smart Buildings Center, Building Operators Certification, Puget Sound Energy, Seattle City Light*

### 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
  - o Level I class
    - Sept 25, 2024 – Jan 23, 2025 in Seattle
    - Spring 2025 – dates TBD, via Zoom
  - o Level II class
    - Oct 2, 2024 – Jan 30, 2025 via Zoom
- Oregon
  - o Level I class
    - Sept 12, 2024 to Mar 6, 2025 via Zoom
  - o Level II class – Oregon members may take Washington classes

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

[Click here for BOC Oregon information](#)

*Building Operators Certification, Northwest Water & Energy Education Institute*

### Smart Buildings Center Technical Webinar Series

- Harnessing Waste Heat Recovery & Thermal Energy Storage for Efficiency – Sept 18
- Water Efficiency Strategies for Resiliency – Oct 16

[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*

## RESOURCES

### Clean Buildings Performance Standard Customer Support

The U.S. Department of Energy [offers on-demand Better Buildings webinars](#) on a variety of topics. Search by technology such as plug & process loads or building envelope, search by sector such as K-12 schools or state & local government, or search on topics beyond energy such as treasure hunts, financing, and waste reduction.

### 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](#).

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### 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](mailto:RCM@energy.wsu.edu).

