

# RCM NEWS

## RCM News for May 2018

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

#### *In this issue:*

Energy Management Technical Education  
ENERGY STAR Portfolio Manager  
Lighting Control Systems  
Plumbing Systems  
Tubular LEDs  
Upcoming Events & Training Opportunities  
Presentations and Videos  
Resources for You

*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.*

#### **Energy Management Technical Education**

Lane Community College's online [Energy Management Technician Program](#) is the focus of "[Energy Efficiency Goes Online](#)", by Fiona Watkins Corrigan, published April 25, 2018 in *the Torch*, the student newspaper of Lane Community College. In Fall 2018, this associate degree program moves to an online format, available to students in the Northwest and California. The program will partner with utility employees to guide students, who upon graduation will qualify for 28 established building and energy fields. [South Seattle Community College](#) also has an online program, which offers a bachelor's degree in sustainable building science technology.

#### **ENERGY STAR Portfolio Manager**

[Planned enhancements for ENERGY STAR Portfolio Manager](#) in 2018, some of which have already been implemented, include meter improvements, monthly energy metrics for some fuel types, a new dashboard for each property, two new fields for electric demand reporting, and metric score model updates based on recent market data. The [score update webpage](#) includes information on which property types will be updated, how score updates may affect historical scores, and how to prepare for the update, which will occur in August 2018.

## Lighting Control Systems

A three-part article written by Steven Mesh, published in the May 2018 edition of *Building Operating Management*, describes how to avoid problems during lighting controls installation. Construction permits may be needed, especially because such projects can impact emergency lighting. Tips for success include keeping inventories of equipment ordered and received in order to ensure all is present when beginning the installation, and using on-board control equipment from the vendor. After installation, commissioning and documentation can secure success.

Part 1 – [Heading Off Potential Lighting Control Problems During Design](#)

Part 2 – [5 Steps to Successful Lighting Controls Installation](#)

Part 3 – [5 To-Dos After a Lighting Control Installation](#)

## Plumbing Systems

A three-part article by Thomas A. Westerkamp on plumbing and restrooms, in the May 7, 2018 issue of *Facility Maintenance Decisions* gives advice on identifying whether to repair or upgrade, the benefits of proactive maintenance, and how to prolong the life of a plumbing system.

Part 1 – [Plumbing Systems: Repair or Upgrade?](#)

Part 2 – [Plumbing Systems: Proactive Maintenance](#)

Part 3 – [Prolonging System Performance Life](#)

## Tubular LEDs

A three-part article on Tubular LEDs by Lindsay Audin in the May 2018 issue of *Building Operating Management* explains the differences of retrofitting linear fluorescent fixtures with either tubular LEDs (TLEDs) or LED retrofit kits. The third option, replacing the entire fixture, is not discussed. Flicker can be a problem with LEDs, and preparing for future technology is prudent.

Part 1 – [Understand The ABCs of LED Retrofit Kits](#)

Part 2 – [Aiming Higher with Tubular LED Retrofits](#)

Part 3 – [How To Future-Proof Your Lighting](#)

## Upcoming Events & Training Opportunities

### ENERGY STAR® and Portfolio Manager® Trainings

All are online webinars.

- Portfolio Manager 101 – Jun 5
- Portfolio Manager 201 – Jun 12
- Make a Splash with Quick Water Wins – Jun 13
- ENERGY STAR and Green Building Rating Systems – Jun 14
- Portfolio Manager 301 – Jun 19
- Preparing for EPA's ENERGY STAR metric updates – Jun 20
- The value of benchmarking higher education buildings – Jun 22
- Success Stories on Hosting Energy Efficiency Competitions – June 27
- Beat the Peak – Using Water Wisely for Commercial Outdoor Spaces – Jul 11
- Ask the Expert – Most Wednesday at 9:00 AM Pacific time

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

US EPA

## Why Smart Buildings?

Executive Forum at the Smart Buildings Center

- June 7 in Seattle

[Click here for more information](#)

*NEEC*

## 2018 Oregon APEM Summer Forum

The 2018 Oregon APEM Summer Forum presents “EVolution: The future of battery-powered transit, energy storage, and infrastructure”.

- June 8 in Portland

[Click here for more information](#)

*Oregon Association of Professional Energy Managers*

Dreaming the Future: How Zero Net Energy Design Can Transform the School Environment.

- June 13 online

[Click here for more information](#)

*New Buildings Institute*

## Changing Behavior to Save Energy at University of New Mexico

- June 19 online

[Click here for more information](#)

*Energy CAP and UNM*

## Energy Management Congress

- June 20-21 in Seattle

[Click here for more information](#)

*Association of Energy Engineers*

## CleanTech Innovation Showcase

- June 25 in Seattle

[Click here for more information](#)

*CleanTech Alliance*

## Choosing Between Energy Expert and Energy Tracker

- June 26 webinar

[Click here for more information](#)

*Portland General Electric*

## Curbing VFD Harmonics in HVAC Applications

- June 26 webinar

[Click here for more information](#)

*Forester University*

## Building Operators 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 State
  - Level I classes
    - Sept 25, 2018 in Renton
- Oregon
  - Level I classes
    - Sept 26, 2018 in the Portland area
  - Level II classes
    - Summer 2018 in Portland area

[Click for BOC Washington State information](#)

[Click for BOC Oregon information](#)

*Building Operators Certification*

## Presentations and Videos

### U.S. Department of Energy Presentations from LIGHTFAIR International 2018

View [free educational sessions](#) from the May 8-10, 2018 LIGHTFAIR conference. Most presentations are from Pacific Northwest National Laboratory scientists and include topics such as flicker, blue light, connected lighting.

### Efficiency Exchange 2018 Videos and Presentations

Videotaped sessions from the May 15 and 16 Efficiency Exchange Conference in Tacoma are available for viewing on the [Conduit website](#).

### View Past Better Buildings Solutions Webinars

Video-recordings, slides, and transcripts of completed webinars hosted by the US Department of Energy's Better Buildings Initiative are available for viewing. See [Taking Control: Energy Data Management and Tools for Success](#) which aired April 3, 2018. View more webinars at <https://betterbuildingsolutioncenter.energy.gov/better-buildings-webinar-series>.

## Resources

### FREE AEE Video Series on CEM Basics

The Association of Energy Engineers (AEE) has produced a series of short videos on some of the basic concepts used by energy managers. [These 13 videos are available to view for free](#) and include such topics as the Concept of Net Present Value, Conducting an Energy Audit, Energy Bill Basics, Electric Motor Fundamentals, and Performance Metrics COP SEER HSPF.

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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 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](mailto:janowitzk@energy.wsu.edu)

