

# RCM NEWS

## RCM News for February 2018

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

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### **Special Opportunity: One Scholarship Available for a Building Operator Certification Course.**

Grosvenor Americas is generously offering a scholarship for BOC training and certification examination in 2018. The value is \$2180.

Eligibility requirements:

- Two or more years' experience working in operations and maintenance of a commercial or institutional facility,
- or a minimum of one year experience working in operations and maintenance of a commercial or institutional facility paired with at least one year of technical college level education in facilities engineering related program,
- or two or more years experience in energy management of facilities with a focus on operations and maintenance.

To apply, answer the following:

- Name and contact information
- Organization
- Are you currently a WA state resident? (y/n)
- Write a brief description of your experience in the operations field and reason for wanting to attend BOC training (please limit to 250 words)

**Applications are to be completed by March 8<sup>th</sup> and submitted to [melanie.danuser@nec.net](mailto:melanie.danuser@nec.net).** Contact Melanie via email or phone 206-582-4258 for more information.

## Better Buildings Showcase

Two King County projects were showcased recently in the U.S. Department of Energy's Better Buildings Challenge. A deep energy retrofit at the [King County International Airport Terminal](#) in Seattle resulted in more than 60 percent energy savings. This feat is featured in a short article, "[Seattle Retrofit Projects Represent Two Firsts for Better Buildings Challenge](#)" in Buildings magazine on February 15, 2018, with a more detailed look at the measures on the Better Buildings website. [Cascade Apartments](#) is a subsidized housing development in Kent run by the King County Housing Authority. Retrofit measures for more than one hundred apartments include ductless heat pumps, weatherization measures, lighting retrofits, and water upgrades.

## Composting

"[How to Compost as a Facility Manager](#)", written by Jennie Morton in the February 16, 2018 issue of Buildings magazine, offers four steps to integrate composting into waste management. In order to succeed, it's important to get buy-in from staff, find the appropriate service provider, and make changes in waste protocol.

## Energy Design Guide

"[ASHRAE Publishes Advanced Energy Design Guide for K-12 School Buildings](#)", written by Alyssa Danigelis for the February 19, 2018 issue of Energy Manager Today, announces new guidelines aimed at achieving zero energy. New and updated recommendations are for existing buildings as well as new construction.

## Utility Incentives

A three-part article on Energy Strategies in Facility Maintenance Decisions, written by Shannon Bunsen, John Bruschi, and Troy Savage for the February 2018 issue, starts off with "Upgrades and the Role of Utility Incentives". Financing tools can reduce capital costs of energy efficiency projects. Different utilities may require different measurement and verification processes for projects, which is important to know beforehand. The article explains the difference between prescriptive and custom rebates, and difference in incentives for retrocommissioning or demand-response programs.

Part 1 – [Upgrades and the Role of Utility Incentives](#)

Part 2 – [Utility Incentives: Focus on Finance](#)

Part 3 – [Utility Incentives: Systems and Opportunities](#)

## Upcoming Events & Training Opportunities

### Better Buildings Webinars

- Cutting Water Waste: DOE and EPA Resources to Advance Water Efficiency – March 6, 2018 online webinar

[Click here for more information](#)

*Better Buildings, U.S.DOE*

### Nothing Beats Zero – Updates on the Trends and Projects that are Getting to Zero Energy

- March 6, 2018 online webinar

[Click here for more information](#)

*New Buildings Institute*

## ENERGY STAR® and Portfolio Manager® Trainings

All are online webinars.

- Portfolio Manager 101 – March 6
- Build Your Own Battle: How to Host an Efficiency Competition – March 7
- Portfolio Manager 201 – March 13
- Portfolio Manager 301 – March 20
- Fix a Leak with WaterSense and Beat Water Waste – March 21
- Ask the Expert – Most Wednesday at 9:00 AM Pacific time

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

*US EPA*

## Spring 2018 Lighting Fundamentals

- Light and Human Perception 101
- Introduction to Codes and Standards 107

Offered by the Lighting Design Lab, classes are taught one after the other on the same afternoon. Register for one or both. These classes tend to sell out.

- March 14, 2018 in Tacoma
- March 16 in Seattle
- March 20 in Everett

[Click here for more information](#)

*Lighting Design Lab*

## Building Operator Certification Technical Webinar Series

- The Autonomous Driving Building: What's in the Future for Building Control Systems – March 15
- Top 5 Strategies for Indoor Air Quality and Energy Efficiency – April 19

[Click here for more information](#)

*Building Operators Certification*

## Envelopes Inside and Out: New Technology, Design, and Evaluation

The 2018 Oregon APEM Spring Forum looks at innovative building envelope technology as it applies to energy efficiency.

- March 16 in Portland

[Click here for more information](#)

*Oregon Association of Professional Energy Managers*

## 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
    - March 28, 2018 in Seattle (sign up now!)
    - Sept 25, 2018 in Renton

[Click for BOC Washington State information](#)

- Oregon
  - Level I classes
    - Fall 2018 in Portland area
  - Level II classes
    - Summer 2018 in Portland area

[Click for BOC Oregon information](#)

*Building Operators Certification*

### Northwest Facilities Expo and Conference

Conference sessions include Tunable LED Lighting for Better Morale and Productivity, Rainwater Harvesting and Water Reuse for Facilities, and Building Tune-ups and Commissioning

- April 18 & 19 in Portland

[Click here for more information](#)

*NW Energy Coalition*

### Energy/Facilities Connections Conference

Register now for the 14<sup>th</sup> annual Energy/Facilities Connections conference. This year's theme is "A Seat at the Table: Strategizing for Facilities Success". This conference is a great networking and learning event not to be missed. Some scholarships may be available – stay tuned.

- May 8-10, 2017 in Leavenworth, WA

[Click here for information](#)

*WSU Energy Program Plant Operations Support Consortium*

## Resources

### BOC Newsletter

The [Winter/Spring 2018 BOC Bulletin](#) features the article "Reducing Infiltration and Exfiltration". Intended for Building Operator Certification (BOC) graduates, enrollees, and their employers, the newsletter also contains information about work that BOC grads are doing and a quiz about finding air leaks.

### Two-year College Degree

Lane Community College (LCC) Energy Management Technician Program, which is the national model for energy efficiency education, is now offering an online degree. The two-year degree program includes online courses in addition to providing hands-on skills with "real world" field projects and cultivating employment opportunities with regional employers. Applications for the expanded online Energy Management Technician Program are currently being accepted for Fall 2018 enrollment at <https://www.lanecc.edu/sustainability/nweei>. For more information, contact Roger Ebbage, Coordinator, Energy and Water Education Programs, Lane Community College, 541-463-6160, [ebbager@lanecc.edu](mailto:ebbager@lanecc.edu).

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

