

RCM NEWS

RCM News for June 2014

A newsletter for Resource Conservation Managers in the Northwest

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Building Envelope

“High-Performance Exteriors Require Creativity, Commitment” is a four part web article written by Justin Roth and David Reid, and published in the June 2014 issue of Building Operating Management. High-performance envelopes for renovations and new construction require teamwork, connections between materials and systems, design strategies created with energy performance in mind, and a lot of detail.

Part 1: [High-Performance Exteriors Require Creativity, Commitment](#)

Part 2: [Attention To Detail Helps Eliminate Envelope Leaks](#)

Part 3: [High-Performance Exterior Helps Library Use Less Energy In More Space](#)

Part 4: [With Water A Concern, Education Was Key To Convincing Owners To Use Open-Ventilated Rain Screen](#)

Communications

“[How to Sell Energy Projects Internally](#)” was written by Marc Karell, energy consultant, and published June 25 on the *Energy Manager Today* web publication. It is sometimes difficult to convince decision makers to approve an energy efficiency project. This short article discusses the importance of understanding the needs or value system of the decision makers, and changing what and how you communicate accordingly.

Submetering

“Submetering: Gathering Data, Finding Savings” is a four webpage article in the June 2014 issue of Facility Maintenance Decisions, and written by James Piper. A master meter does not provide enough hard data about a building’s different electrical loads to help determine where to use limited energy-conservation funds. Installing submeters at the source of various loads, such as lighting systems, pumps,

and chillers can provide information on maintenance and efficiency issues. Energy managers must also keep in mind how submetering software interacts with the building's software.

Part 1: [Submetering: Gathering Data, Finding Savings](#)

Part 2: [Submeters Effective Way to Gather Hard Data](#)

Part 3: [Have Goals in Mind Before Installing Submeters](#)

Part 4: [Finding Cost-Savings Opportunities in Submetering](#)

Utilities

"Utility Incentive, Rebate Programs Can Help Support Green Projects", written by Desiree Hanford for the June 2014 issue of Building Operating Management discusses the benefits of working with local utilities to take advantage of available utility incentives. Too many facility managers miss out on these incentives when they don't consult or converse with the utility, or when they do not completely fill out the incentive application paperwork.

Part 1: [Utility Incentive, Rebate Programs Can Help Support Green Projects](#)

Part 2: [Incomplete Utility Rebate Applications Can Cause FMs To Miss Out On Funding](#)

Water

"How to Maximize Your Water Efficiency Efforts", written by Casey Laughman for the June 2014 web issue of Building Operating Management, is a four-part article about the importance for facility managers to work toward reduced water consumption, and tips for how to do so. Upgrading old fixtures with new ones such as electronic faucets, lower-flush rate toilets and urinals, is discussed, as well as educating occupants, who have more control over their water use than energy use.

Part 1: [How To Maximize Your Water Efficiency Efforts](#)

Part 2: [Electronic Faucets, Aerators Can Help Meet Water Efficiency Goals](#)

Part 3: [Lower-Flush Fixtures Can Save Water, But Be Aware Of Infrastructure Challenges](#)

Part 4: [Water Efficiency Requires Occupant Cooperation, Change Of Habits](#)

Upcoming Events & Training Opportunities

Energy Management Certification

Also known as the EMC Boot Camp, this is an advanced certification program which goes beyond fundamentals and teaches a broad spectrum of energy management principles and techniques. It requires the student to implement an energy-savings project and measure the results.

- July 7 - 18, 2014 in Eugene, OR

[Click for information and registration](#)

Northwest Water & Energy Education Institute (NWEEI)

Better Buildings Challenge Webinars

Live webinars that share how Better Buildings Challenge partners are achieving their energy goals.

- Multi-family partners update – July 10
- Public-sector partners update – July 24

[Click here for more information](#)

DOE EERE

ENERGY STAR® Portfolio Manager Trainings

All are online webinars.

- Financing Energy Efficient Upgrades with ENERGY STAR – July 17
- Portfolio Manager Office Hours, Focus: Green Power – July 24
- Portfolio Manager 101 – July 29
- Portfolio Manager 201 – July 30
- How to Apply for the ENERGY STAR – July 31

[Click here for more information](#)

US EPA

Motor Systems Management Best Practices

This course teaches attendees how to use USDOE MotorMaster+ software, an energy efficiency motor selection and management tool.

- July 29 in Medford, OR

[Click here for more information](#)

NEEA

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 – Oct. 23, 2014 in Longview
 - Level II – Sept. 11, 2014 in Spokane
 - Level II – Sept. 11, 2014 in Olympia
 - Level II – Sept. 24, 2014 in Seattle
 - Level II – Oct. 1, 2014 in Everett
- **Oregon**
 - Level I – February 4, 2015 in Pendleton

[Click for BOC Washington state information](#)

[Click for BOC Oregon information](#)

Building Operators Certification

AEE (Association of Energy Engineers) Real-time Online Seminars

Webinars and live interactive courses you can take from your computer. Programs are generally two to three hours long, over a period of days. Topics include energy auditing, lighting controls, HVAC systems and much more. Visit their website for a complete list:

<http://www.aeeprograms.com/realtime/> .

Resources for You

Give Your Building a Holiday, Too

When you take a break for the fourth of July, give your building a break too. Schedule your facility's equipment so that they're not running when not needed, such as during vacations. Create a plan or

procedure to check operating schedules. BetterBricks has information on [equipment scheduling](#), as well as on [energy performance symptoms for equipment scheduling](#).

Energy Efficiency Expert Evaluations

Although offered as a webinar for the Federal Energy Management Program (FEMP), the recorded version of [Energy Efficiency Expert Evaluations: A Customized Assessment Approach](#) is valuable viewing for all energy managers. It looks at different inspections and building evaluations for different purposes, what you might look for during walk-through assessments, and best practices. There are many examples, photos and descriptions.

Making Technology Work for You

The [WSU Energy Program's Plant Operations Support Consortium](#) offers online videos on various public facility management topics. Available for viewing, the webinars include Making Technology Work for You with information about staying abreast of the regulatory environment with new technologies, and Managing Motor-Driven Systems. The Consortium has also posted proceedings from their [May 2014 Energy/Facilities Connections Conference](#).

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 J](#) to share and ask!

Energy Events Calendar

<http://www.energyexperts.org/TrainingEducationandEmployment/EventsCalendar.aspx>

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

