

## RCM News for January 2010

A newsletter for Resource Conservation Managers in the Northwest

*In this issue:*

Carbon Neutrality

Facilities Management

Water

Wind Powering America

Health Care Facilities

College-level Education Opportunities

Upcoming Events & Training Opportunities

Resources for You

### Carbon Neutrality

Duke's Climate Action Plan is a web page on the Duke University website. It explains that through the Climate Action Plan, Duke expects to be carbon neutral by 2024. It briefly describes the five major areas addressed by the plan: energy, transportation, offsets, education, and communication. This web page is at [http://www.duke.edu/sustainability/campus\\_initiatives/climate\\_action/ClimateActionPlan.php](http://www.duke.edu/sustainability/campus_initiatives/climate_action/ClimateActionPlan.php).

### Facilities Management

"Ten Tips For Facility Managers to Cut Energy Costs," by Brandon Lorenz, Senior Editor, *Building Operating Management*. This is a rather sophisticated list of well-described energy-saving tips from, as the author explains, facilities managers who are employing them in their own facilities. Many are applicable in school, academic, and government buildings. See these valuable tips in *Building Operating Management*, October 2009, at <http://www.facilitiesnet.com/energyefficiency/article/Ten-Tips-For-Facility-Managers-To-Cut-Energy-Costs--11191>.

### Water

"State Codes, LEED Tighten Water Efficiency Standards" was written by Bill Hoffman, Principal, H.W. (Bill) Hoffman and Associates, LLC, and Senior Technical Advisor, Water Management, Inc. That water efficiency is now on the nation's radar screen is especially important for facility managers. See this article in *Building Operating Management*, November 2009, at <http://www.facilitiesnet.com/plumbingrestrooms/article/State-Codes-LEED-Tighten-Water-Efficiency-Standards--11281>.

### Wind Powering America

Wind Powering America: Wind for Schools is a program of the Energy Efficiency and Renewable Energy (EERE) Office of the U.S. Department of Energy. It takes a two-pronged approach to encouraging the development of wind as a viable renewable source of energy: it installs small turbines at rural schools (K-12) and locates Wind Application Centers in academic institutions. While the early focus of this program has been on the Mid-Western states that offer high wind potential, there has been some

activity elsewhere. For a rundown on projects, planned or developed, start at the program's home page: [http://www.windpoweringamerica.gov/schools\\_wfs\\_project.asp](http://www.windpoweringamerica.gov/schools_wfs_project.asp) .

### Health Care Facilities

"Rx for Energy Efficiency in Health Care" is a three-part article by Greg Zimmerman, Executive Editor, *Building Operating Management*, in the December 2009 issue of the journal of the same name:

Part 1: Establish Energy Use Benchmarks in Health Care. The author shows the need for retro-commissioning, which begins with benchmarking. View Part 1 at <http://www.facilitiesnet.com/healthcarefacilities/article/Establish-Energy-Use-Benchmarks-in-Health-Care--11354> .

Part 2: Tap Teamwork to Find Energy Savings. Examples of how to develop staff interest in energy savings are included. This part of the article includes the sidebar, "New Alliance Aims to Help Hospitals Be More Energy Efficient." See Part 2 at <http://www.facilitiesnet.com/healthcarefacilities/article/Tap-Teamwork-to-Find-Energy-Savings--11355> .

### College-level Education Opportunities

*As a resource conservation manager, you may be interested in opportunities to increase your energy management knowledge and skills. Community colleges are offering more new programs and certificates on energy management and efficiency, which vary in length from two weeks to two years. This information is listed below and eventually will be available on our website, at which time the link will be published in this newsletter.*

#### Edmonds Community College, Edmonds, WA – Energy Efficiency Training

A two-year Associate of Technical Arts degree in Energy Management is suited for people currently working in the industry, seeking entry-level work in the field, or taking on new responsibilities in energy efficiency at their workplace. Most classes are offered evenings and online. Certificates are also available that can be completed in six months. For more information go to [www.edcc.edu/energy](http://www.edcc.edu/energy) or call 425-640-1640.

#### Cascadia Community College, Bothell, WA – Energy Management Specialist Certificate

The Energy Management Specialist Certificate prepares a person for employment in careers such as energy auditor, energy analyst, building technician, resource conservation manager, and system technician.  
[http://www.cascadia.edu/programs/professional\\_technical\\_certificates/energy\\_management\\_specialist.aspx](http://www.cascadia.edu/programs/professional_technical_certificates/energy_management_specialist.aspx)

#### South Seattle Community College, Georgetown Campus – Green & Sustainable Training Programs

Existing Energy Audit Courses and Certification prepares students for national certification programs such as the Building Performance Institute and Energy Star. Other programs include Conservation and Weatherization, Building Sustainability Managers intended for current building managers, and a Pre-Apprenticeship Program to prepare students for energy utility, green building, and electrical green jobs fields.

[http://www.southseattle.edu/green/georgetown\\_campus.html](http://www.southseattle.edu/green/georgetown_campus.html)

For more information, contact Joe Hauth at [jhauth@sccd.ctc.edu](mailto:jhauth@sccd.ctc.edu)

### Everett Community College

New programs include a four-course Sustainable Business Operations Management Certification (for students with some previous business experience) and a five-day Residential Energy Auditor Certification.

<http://www.everettcc.edu/green/index.cfm?id=10836> or call 425-388-9243.

## Upcoming Events & Training Opportunities

### Infrared for Building Applications Training

February 9-10 and 11-12 in Olympia

February 15-16 and 17-18 in Spokane

A series of trainings on proper use of infrared equipment for accurate assessments of a building's condition. The two-day "Residential & Weatherization" course is followed immediately by a two-day "Schools & Commercial Buildings" course. The first course is a prerequisite to attend the second.

Class size is limited.

<http://www.energy.wsu.edu/documents/events/IR%20Class%20flyer.pdf>

### Benchmarking Building Energy and Carbon Emissions Workshop

February 12, 2010 in Portland, OR

Intensive hands-on workshop to compare projected and actual energy performance of an existing building through spreadsheet-based analyses.

Sponsored by BetterBricks in partnership with American Institute of Architects.

Information at

[https://ams.aia.org/eweb/DynamicPage.aspx?webcode=EventInfo&RegPath=EventRegFees&REg\\_evt\\_key=2d33f8d4-d299-4910-be3c-faf0ae8cfd5d](https://ams.aia.org/eweb/DynamicPage.aspx?webcode=EventInfo&RegPath=EventRegFees&REg_evt_key=2d33f8d4-d299-4910-be3c-faf0ae8cfd5d)

### Building Operator Certification (BOC) – Live Technical Webinars

February 17, 2010 – Top Four Energy Tune Up Opportunities

March 18, 2010 – Energy Tune Up – Addressing Problems with Sensor Error and Simultaneous Heating & Cooling

<http://www.theboc.info/webinars/index.html>

### Association of Energy Engineers Certified Energy Manager 5-day training course

February 22-26, 2010 in Bellevue, WA

Eligibility requirements apply

<http://www.aeeprwc.org/meetinginfo.php?date=2010-02-22>

### Online Building Science Series

March 8 – August 9, 2010

12 online courses, 2 hours long. Each webinar can be taken as a series or individually. Learn about fundamentals of building science and the energy efficiency industry, or becoming a certified energy auditor.

First class on March 8 is Building Performance Basics Online Course, an introduction to building science and the home energy audit process. Intended for anyone interested in green jobs, building performance or Building Analyst 1 certification.

<http://www.psdconsulting.com/solutions/academy/courses/bpsaweb1001>

## Building Operator Certification (BOC) – Level I and Level II Certification course schedule

### Level I courses

Everett – March 10, 2010 – September 1, 2010

Renton – April 22, 2010 – October 7, 2010

Tacoma – September 14, 2010 – March 1, 2011

Seattle – October 19, 2010 – April 12, 2011

Description of courses - <http://www.theboc.info/training.html>

[http://www.theboc.info/wa/schedule\\_wa.html](http://www.theboc.info/wa/schedule_wa.html)

## Energy-Facilities Connections Conference

May 12-14, 2010 in Leavenworth, WA

This conference presents economic and energy conservation opportunities from a facilities perspective. Includes sessions on energy efficiency, resource accounting, green cleaning, and demonstrations of diagnostic tools.

WSU Extension Energy Program Plant Operations, with sponsorship from NW Energy Efficiency Council, BetterBricks, Mac-Donald-Miller Facilities Solutions, and McKinstry.

<http://www.energy.wsu.edu/apps/PlantOperations/EnergyFacilitiesConnectionsConference.aspx> or call 360-956-2057

## West Coast Energy Management Congress

June 15 - 16, 2010 in Seattle, WA

The largest energy conference and technology expo held on the U.S. West Coast specifically for business, industrial and institutional energy users.

[www.energyevent.com](http://www.energyevent.com).

## On-Line AEE Self Study Professional Training Courses

Course titles such as “Basics of Energy Management”, “Fundamentals of HVAC Systems” and “Finance & Accounting for Engineers & Technicians” (new) are available in a home-study format.

<http://www.aeecenter.org/training/>

## Energy Events Calendar

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

## Resources for You

### Washington RCM Support

Washington State University Energy Program RCM Support

Check out the “RCMx” where we have moved the RCM Guidebook into web format. 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.

<http://www.energy.wsu.edu/projects/rem/rcm.cfm>

### Oregon RCM Support

Oregon Department of Energy RCM Support

<http://oregon.gov/ENERGY/CONS/RCM/rcmhm.shtml>

**RCM News is prepared by the Washington State University Energy Program**

This activity is funded by the U.S. Department of Energy State Energy Program.

Funds provided through the Washington Department of Commerce Energy Division.

Previous issues of RCM News may be viewed at the WSU Energy Program RCM support page:

<http://www.energy.wsu.edu/rcmx/Meetings.aspx>

Send comments or ideas for articles to Karen Janowitz - [janowitzk@energy.wsu.edu](mailto:janowitzk@energy.wsu.edu)