

The Latent News Ozark's ASHRAE Newsletter

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(BETTER LATENT THAN NEVER)

www.ozarksashrae.com

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Ozarks ASHRAE
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**The Latent News is a
monthly newsletter
produced by the
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ASHRAE
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If you have information
you would like to include
in the next ASHRAE
Latent News, please
have it to the editor no
later than the first
Tuesday of the month.

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About our Speaker

"Life Cycle Cost Analysis"

The January ASHRAE general meeting will be held Tuesday, January 19th at 11:30pm at the Springfield Brewing Company, 301 S Market Ave. Meal cost is \$12, payable at the door and first-time attendees are free.

Our speaker for the meeting will be Mike Mahoney, leader of the product development group for Trane, a business of Ingersoll Rand. Mr. Mahoney will be speaking on life cycle cost analysis. The life cycle cost analysis provides for leveling of the playing for all alternatives being pursued on a design project.

Mike Mahoney graduated in 1985 from the University of Missouri-Kansas City with a degree in mechanical engineering.

He is currently professionally licensed to practice engineering in the states of



Missouri and Kansas. The majority of Mike's career as a mechanical engineer has been in the consulting engineering and energy engineering type businesses. He has completed a number of energy audits in all sectors of business. He was first exposed and worked through the process of preparing a life cycle cost analysis with the Corp of Engineers on several energy conservation based projects at several of the military installations in the state of Missouri. Mike looks forward to sharing his thoughts with the group.

ASHRAE Commissioning Webcast



On Wednesday, April 21, 2010, ASHRAE's Chapter Technology Transfer Committee (CTTC), with support from ASHTAE's High Performance Buildings Magazine, will present a webcast entitled **"Right from the Start – Commissioning for High Performance Buildings."** The broadcast will take place from noon-3pm, central time.

Three (3) PDH credits are available to those who view the program and then complete the Participant Reaction Form online by April 30, 2010.

There is no fee for registration. Online registration will begin March 2, 2010 at <http://www.ashrae.org/Cxwebcast>.

Information will be presented by a panel of experts in the field, including Rick Casault, H. Jay Enck and Ronald Wilkinson and moderated by Don Rheem. For additional information, visit <http://www.ashrae.org/education/page/557>

DOE Launches Web Site

WASHINGTON—The Department of Energy (DOE) has launched Open Energy Information, a new open-source Web site designed to make DOE resources and open energy data widely available to the public. The data and tools housed on the free, editable, "wiki"-type site is intended to help government officials, the private sector, project developers, and others share information about clean energy technologies. The site currently houses more than 60 clean energy resources and data sets, including maps of worldwide solar and wind potential, information on climate zones, and best practices.



Making Connections

If you have a job opening in your company or are looking for a position, we have a space in the ASHRAE newsletter for you to let that be known. To have something included in the next newsletter, e-mail it to: Naomi Fisher at nfisher@mpec.com no later than February 2, 2010.

ASHRAE Ventures into Social Media

ASHRAE members can now become followers of the Society through Twitter, a real-time short messaging service. By signing up for a free Twitter account and going to the ASHRAE page, members can receive short "tweets" about the Society's activities delivered directly to their computers and mobile phones. ASHRAE also has a presence on the social networking site Facebook through the ASHRAE "fan" page, which currently has more than 1,000 fans.



Additionally, ASHRAE has created a Facebook page for students, where students can connect, share information about scholarships and network.

Both Facebook and Twitter provide information about ASHRAE news and events; new publications; and educational and networking opportunities.

Northstar Battery Tour Photos

The Northstar Battery plant tour held November 17, 2009, was an interesting opportunity to see some very large mechanical systems in action. Following are a couple of photos from the tour, taken by Jim Chittenden.



Left: Water chilled coils, approximately 30-32' high

Right: Filter wall, with a total of 216 24"x24"x2" pleated filters



Upcoming Events

Mark your calendars for these dates:

- ❑ General Meeting – January 19, 2010
“Life Cycle Cost Analysis” by Mike Mahoney
- ❑ General Meeting – February 16, 2010
“ASHRAE Regional Officer Visit”
- ❑ General Meeting – March 16, 2010
“The Ethics and Economics of Energy Conservation” by William Coad

Trivia Tidbit

Back by popular demand, here’s a bit of trivia to keep your brain cells active:

The most exotic use for a [Wankel engine](#) (itself an exotic German-invented combustion engine) is the seat belt pre-tensioning system in the New Beetle and some Mercedes-Benz models. When the deceleration sensor in the car detects a potential crash, it triggers small explosive charges. The expanding gas from those charges is piped through tiny Wankel engines, which then rotate to take up the slack in the seatbelts.

Looking for Guidance on Standard 189.1? Standard for the Design of High-Performance Green Buildings, Except Low-Rise Residential Buildings

ATLANTA – As publication of the nation’s first code-intended high-performance green building standard draws nearer, a Webpage providing the detailed information about the standard, including a draft copy of the document, has been launched.

Proposed Standard 189.1, *Standard for the Design of High Performance, Green Buildings Except Low-Rise Residential Buildings*, moved one step closer to publication in December. It was approved for publication by the Boards of Directors of ASHRAE, IES and USGBC, the three groups that are partnering in its development. ASHRAE is going through the final stages of the American National Standards Institute consensus development process and is hopeful the standard will be available in January.

“Given that this standard will set the foundation for green building codes, it is vital that the building industry is familiar with its requirements,” Kent Peterson, chair of the Standard 189.1 committee, said. “ASHRAE, USGBC and IES recognize the potential of this standard to change the marketplace and are working to educate the industry. Given its impact, we also are working to make the standard available as quickly as possible.”

www.ashrae.org/greenstandard serves as a one-stop resource for

information on Proposed Standard 189.1, *Standard for the Design of High Performance, Green Buildings Except Low-Rise Residential Buildings*. The page contains an easily readable version of the standard, along with more information on the areas addressed by the standard and other resources for high-performance building.

Proposed Standard 189.1 is being developed by the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) in conjunction with the Illuminating Engineering Society of North America (IES) and the U.S. Green Building Council (USGBC). The standard, slated to be the first code-intended commercial green building standard in the United States, is expected to be published in early 2010.



ASHRAE Vision

ASHRAE will be the global leader, the foremost source of technical and educational information, and the primary provider of opportunity for professional growth in the arts and sciences of heating, ventilating, air conditioning and refrigerating.

ASHRAE Core Values

Advancement

We are committed to the advancement of the arts and sciences of HVAC & R for the benefit of society through research, technology development and transfer, and education and training.

Leadership

We are committed to providing leadership within our industry and developing leadership qualities in our members.