



Upcoming Chapter Meetings

December 10th, 2008

- Environmental Update— Latest Scientific Findings

January 21st, 2009

- ASHRAE Standard 189.1: - Requirements for Green Buildings

February 18th, 2009

- Projects, Initiatives, and Issues Facing Healthcare Engineers

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November 2008

November 19th, 2008 Meeting

Is The Answer In The Wind?

Natalie McIntire

How does wind power get delivered to the grid? How much of the nation's energy demand can be supplied by wind power, and how much of that might come from the Midwest? What do the birds and bats think about all this?

Natalie McIntire is an independent consultant working on high voltage transmission policy for renewable energy and green power policy. She is currently working with the American Wind



Energy Association (AWEA) and Wind on the Wires, focusing on federal regulatory proceedings, transmission planning, and renewable energy credit policy.

Program

Location: Trane
2213 S. 20th St.
La Crosse, WI 54601
Technology Center
Building 12 — Lab Classroom

Date: November 19th, 2008

Program: Is The Answer In The Wind?

Agenda: 12:00 — Meeting
12:30-1:30 — Program

Cost: No Cost

Lunch is available for purchase from the cafeteria

Prior to her current work, Ms. McIntire was a Senior Policy Associate for the Renewable Northwest Project in Portland, OR. In that position, she worked on transmission policy in the Northwest, advocated for strong utility green power programs, and educated consumers about renewable energy. She was also involved in improving Oregon's Net Metering rules.

Natalie McIntire holds a B.S. degree in Mechanical Engineering from Rensselaer Polytechnic Institute, a M.A. degree in the History of Science and Technology from the University of Minnesota, and a graduate certificate in Applied Energy Economics and Policy from the University of Portland, Oregon.

RSVP at www.ashraelacrosse.org

Improving our Quality of Life – Why Donate to ASHRAE Research

By Dwayne Johnson, 2008-09 Research Promotion Chair

I recently asked several people what they associate most with ASHRAE. Common responses were creation and maintenance of standards, providing handbooks, and hosting the annual AHR expo. At a more local level, the response was the chapter provides technical information and opportunities for networking with other professionals in the field.

Granted these are all very important functions of the organization. But funding of ASHRAE Research programs is one of longest running and most important missions ASHRAE exists to fulfill.

To give a historical perspective, in 1912 ASRE commissioned it's first project. From 1919-1961 ASHVE operated an independent research lab. In 1959 ASRE and ASHVE combined to form ASHRAE and two years later the research lab was closed. Since that time ASHRAE has supported research work through funding of independent researchers in the HVAC&R fields.

Currently 70-80 research projects are being conducted each year at a cost of over \$2.5 million. Results from this work are made freely available to everyone who wants it. This is the largest program of it's kind anywhere!

In our Region VI we currently have 13 projects running at a cost of over \$1.1 million. Topics include:

Fan noise and performance

Heat pump system optimization and design guidelines

Evaporator flow maldistribution

Ventilation effectiveness

Boiler efficiency calculation software

Refrigeration of produce

HVAC&R common data definitions

Cooking appliance effluents

Development of a calibration reference device for ASHRAE 52.2-2007

Airborne toxins in livestock building

Development of design day weather data

The RP donation goal for our chapter has been set at \$7500 by the Region VI RP Chair. We are a relatively small chapter and we traditionally struggle meeting our goal. This year I would like to reverse that trend and am asking each and every member to step up and donate at least a small amount to this important work. To show our commitment, each of this year's chapter officers has already donated \$100 to get the campaign started.

When making a decision about how much to donate keep in mind that an amount of \$100-\$249 will qualify an individual as an Honor Roll Donor and make them eligible for receipt of the coveted commemorative antique coin along with recognition in the ASHRAE Journal. Donations at higher levels will result in additional recognition. Also, remember that ASHRAE is qualified as a 501(c)(3) organization under the U.S. tax code, and investments in ASHRAE research are exempt from U.S. taxes.

We have tried to make the donation process as painless as possible. You use a credit card by clicking a link on our Chapter website homepage at www.ashraelacrosse.org, go to the Research Promotion section of the ASHRAE website at www.ashrae.org, or make a check out to ASHRAE Research and give it to me.

So why donate? It's simple: ASHRAE Research helps improve our quality of life. Be a part of it!

2008-2009 Officers

President

Rick Heiden

President-Elect

Larry Butz

Treasurer

Mike Groen

Secretary/Website

Jim Spielbauer

Committee Chairs

Student Activities

Scott Hintz

CTT (programs)

BJ Newton

Research Promotion

Dwayne Johnson

Membership

Chris Hsieh

Historian

Jim Ritter

Newsletter

Jill Trochinski

ASHRAE 2009 Winter Conference

Details of the bus trip have been finalized! Again, we want to thank Wisconsin Focus on Energy for subsidizing the trip with a generous donation.

On Monday 1/26 at 5:00 pm, we will be taking a Ready Bus Line coach bus departing from the Rueben Trane building in La Crosse (3600 Pammel Creek Rd.). There will be box meals and beverages on the bus. We have also scheduled a stop in Tomah for pick-up and drop-off. We will be staying at the Wingate hotel in Prospect Heights, IL. And as in past trips, we encourage double occupancy rooms to save resources.

On Tuesday 1/27, breakfast is included at the hotel and then we will ride the bus to the McCormick place arriving by the show opening at 10:00 am. We will leave the show at 6:15 pm on Tuesday with dinner at the Cracker Barrel in Rockford on the way home, returning to La Crosse by approximately 11:30 pm.

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Instructional Courses on Energy, IAQ Offered at ASHRAE '09 Conference

A full slate of ASHRAE instructional courses are available for attendees at the ASHRAE 2009 Winter Conference and the AHR Expo in January.

For complete course and meeting registration, visit www.ashrae.org/chicago.

Professional Development courses taking place Saturday, Jan. 24, at the Palmer House Hilton are:

- Complying with Requirements of ASHRAE Standard 62.1-2007
- Exceeding Standard 90.1-2007
- Testing, Adjusting, & Balancing and The Commissioning Process in New & Existing Buildings

Short Courses taking place Sunday-Tuesday, Jan. 25-27, at McCormick Place are:

- Humidity Control
- Basic Principles, Loads, & Equipment
- The Basics of a Proposed Standard on High Performance Green Buildings (Standard 189.1P)
- Introduction to Green Buildings & Sustainable Construction
- Energy Management in New & Existing Buildings
- Chilled Beam Technology
- Low-Temperature Radiant Heating & High Temperature Radiant Cooling Systems
- Installation of Residential Ventilation Systems (Standard 62.2)
- Healthcare Facilities: Best Practice HVAC Design Considerations & Criteria
- Humidity Control: Applications, Control Levels, & Mold Avoidance
- Healthcare Facilities: Best Practice Applications of HVAC Systems
- Introduction to Thermal Energy Storage Systems for A/C



**Advancing
HVAC&R to
serve humanity
and promote a
sustainable
world**



La Crosse Area Chapter of
ASHRAE
c/o Jill Trochinski
Trane
3600 Pammel Creek Road
La Crosse, WI 54601

We're on the web
www.ashraelacrosse.org

American Society of Heating, Refrigerating, and Air-Conditioning Engineers

ASHRAE, founded in 1894, is an international organization of 50,000 persons. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing & continuing education.

Our 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 2009 Winter Conference Continued

Unfortunately the cost is still higher compared to years past due to increased fuel prices. The cost per person for the trip including transportation, hotel and two meals is \$100 each for a double occupancy room and \$150 each for a single occupancy room. If you or your company would like to help sponsor the bus trip please contact Tom Mulrine at 608-783-5054.

The registration deadline is January 7th. Starting November 13th, please register and pay online through the chapter website at www.ashraelacrosse.org or call Tom Mulrine at 608-783-5054 (checks to ASHRAE La Crosse Chapter). Seating is limited to 55 persons on a first come, first serve basis.

Note, registration for the trip does not include the AHRExpo registration. Free registration for the Expo must be made online by December 19th at www.ahrexpo.com.