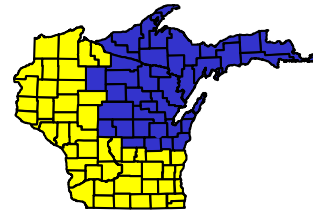




# Northeast Wisconsin Chapter #107 September 2011



## **Chapter BOG Officers**

### ***President***

Ryan Macario  
920-831-3821  
[Ryan.J.Macario@jci.com](mailto:Ryan.J.Macario@jci.com)

### ***Vice President***

Kevin Weber  
920-757-0300  
[Kevin@webersaleshvac.com](mailto:Kevin@webersaleshvac.com)

### ***Secretary***

Matt Veriha  
920-432-4865  
[Mveriha@bsagb.com](mailto:Mveriha@bsagb.com)

### ***Treasurer***

Rob Shepherd  
920-405-8822  
[rshepherd@vyron.com](mailto:rshepherd@vyron.com)

## **Chapter Committee Chairs**

### ***Chapter Programs***

Ryan Macario

### ***History Chair***

-----

### ***Membership Promotion***

Joe Dettlaff

### ***Research Promotion***

Tilak Andhole

### ***Student Activities***

-----

### ***TEGA***

Dale Pearson

### ***Refrigeration***

Dave Schaefer

### ***Homepage Editor***

Gordy Jacobs

### ***Other BOG***

Steve Marthaler  
David Carter  
Tina Brueckner

\*\*\*Note; You do not need to be a BOG member to participate as a chapter committee chair

## **President's Message**

I would like to welcome everyone to the 2011/12 year. The first thing I would like to do is thank everyone for their hard work in hosting a successful CRC back in April. All the feedback that I heard was very positive. The theme for this year is "Sustaining ASHRAE Through Leadership". This marks the sixth year that the theme has focused on sustainability. Promoting sustainability should be a major influence in all of our daily decisions.

Our chapter continues to have success with online registration for our chapter meetings. Over 95% of meeting attendees have used this tool for our chapter meeting registration the past couple of years. Registration will still occur online or via e-mail to [kevin@webersaleshvac.com](mailto:kevin@webersaleshvac.com), but payment (cash or check) will be accepted at the door.

I would like to thank Tina Brueckner for volunteering for her role as Director Regional Chair (DRC) for our region. As part of her duties she held a regional planning meeting. This was held in Madison and attended by a representative from the chapters within our region. The intent was to get everyone together to share ideas to help each chapter increase membership and be more successful. This meeting was attended by Kevin Weber, our Vice President, and I'm confident that he came back with many good ideas that we can implement.

Our format for monthly meetings will again alternate between Kimberly and De Pere. Our "home" site in Kimberly will be Liberty Hall as it has been in the past. Also, there will be a new DePere venue this year. That location will be the Swan Club at Legends. The address is 875 Heritage Rd in Depere, WI 54115. We are also going to have a meeting at the Greenheck office in Schofield. This meeting will be in February so hopefully, with enough of an advance notice, the attendance will be high.

We will continue again this year to implement a one-time pre-payment for all 6 monthly meeting seminars in advance for \$70. If chapter members elect to use this option it will save chapter



*American Society of Heating, Refrigerating, and Air Conditioning Engineers, Inc.*

members \$20 for the year if they attend all six monthly meetings and \$5 if they attend five of the six scheduled monthly meetings. This pre-payment option does not include the annual holiday dinner in December. The meeting dates, locations, and subjects of the monthly seminars are:

If you are interested in prepaying for all of these seminars in advance for a one-time fee of \$70.00, please send an e-mail to Rob Shepherd at [rshepherd@vyron.com](mailto:rshepherd@vyron.com) and let him know that you want to pre-pay for the year. You can pay the \$70 fee at the first or second meeting.

We are in need of volunteers to help support our chapter level committee chairs. As you can see from the list of committee chairs, we have two open chapter level committee chairs. If you're interested in becoming an active member of the NEW Chapter of ASHRAE and would like to become a future officer or would like to fill a chapter level committee chair, refer to "Become an ASHRAE Volunteer" page in this Newsletter and feel free to contact any of your Chapter Officers or Board of Governors and ask how you can "Get involved".

Please forward this email to any of your co-workers or friends that you feel would be interested in becoming a member of ASHRAE or in attending one of our meetings.

Ryan J. Macario --- President, NEW ASHRAE Chapter

**\*\*Note:** We are still in the process of confirming Randy Dahmen for a State code refresher presentation for October. The request has been sent and he is getting the approvals he needs.

September 20, 2011	Liberty Hall, Kimberly	DCV – Joe Dettlaff
October 11, 2011	Swan Club, De Pere	Topic
November 8, 2011	Liberty Hall, Kimberly	Utility Metering – Kimberly Barker
December 13, 2011	Location tbd	Holiday Dinner
January 10, 2012	Swan Club, De Pere	IAQ – Wane Baker
February 14, 2012	Greenheck, Schofield	Energy Recovery / Heat Pump Applications
March 13, 2012	Bemis Center, De Pere	Hydronics / Heating - Dan Holohan
April 10, 2012	UW Oshkosh – Academic Bldg	Tour
May 23, 2012	Royal St. Patricks	Annual Golf Outing



## September Meeting

### September Meeting Agenda:

- Presentation – Demand Control Ventilation
- Lunch
- Business Meeting
  1. Introductions
  2. Chapter Business
    - a. Chapter Activities
    - b. Future Meeting Plans
  3. Minutes
  4. Treasurer's Report
  5. Adjournment

#### September Meeting Topic:

### Demand Control Ventilation

#### Presenter: Joe Dettlaff

BSA

**Date:** *Tuesday Sept 20, 2011*

**Time:** *11:30 a.m. – 1:00 p.m.*

Registration begins at 11:15 a.m. and we will have the presentation starting at 11:30, with lunch and a business meeting after the presentation.

**Location:** *Liberty Hall  
Kimberly, WI*

**Cost:** *\$15.00 for Members and  
Non Members  
Students free*

#### RSVP REQUIRED:

Please RSVP by using on-line registration at [www.newwisconsinashrae.org](http://www.newwisconsinashrae.org) or to Kevin Weber to attend.

Email: [kevin@webersaleshvac.com](mailto:kevin@webersaleshvac.com)

### Joe Dettlaff, P.E.

#### BSA

He will discuss the recent ASHRAE outside air revision to allow demand control ventilation and CO2 sensor to manage outside air levels.

#### Bio:

- Graduated from MSOE 1984
- Registered PE in Wisc, Mich and ILL
- Received the Excellence in Engineering from the DSF/Governor two times (UWO Halsey Hall and UW Madison Engineering Building)
- Received the special recognition award from the DSF/Governor for the camp Randall project.
- 26 years at BSA
- 2003 became President of BSA
- Registered energy star engineer
- Past ASHRAE president



## From ASHRAE Society

What is Energy Use Intensity? ASHRAE Seeks to Define, Educate

ATLANTA - While the importance of building energy performance metrics to reduce energy use is accepted worldwide, there is no single generally accepted definition of that metric. Currently, proposed relative energy use reduction targets are subject to interpretation and difficult to verify.

Under a new initiative, ASHRAE is working to define one clear, logical metric to move the building industry toward producing net zero energy buildings by 2030. The U.S. Congress has mandated a series of relative fossil fuel energy use reductions in federal buildings ending in a 100 percent reduction of fossil fuel energy by 2030. Congress is considering applying similar relative energy use reductions in all buildings through the use of building energy codes adopted by state and local government.

"We must address buildings as entire living entities," ASHRAE President Ron Jarnagin said. "As such, we need to establish energy targets for building design that provide a total building energy use goal to strive toward that can subsequently drive the development and application of any number of prescriptive solutions."

A forum seeking input on the energy target initiative was held at ASHRAE's 2011 Annual Conference in Montreal, June 25-29. Also, ASHRAE has developed a public policy brief asking Congress to foster collaboration among the U.S. Department of Energy, the National Institute of Standards and Technology and the U.S. Environmental Protection Agency and ASHRAE along with partner organizations to:

- Establish a single objective definition of energy use intensity (EUI) for the design of commercial buildings
- Determine a single objective baseline EUI for design of commercial buildings from which to measure relative energy use reductions
- Create a performance environment that will support reduction in energy consumption associated with all loads in commercial buildings
- Identify a single objective set of commercial building types and simulation models for establishment of target design EUIs
- Produce one set of design target EUIs for the commercial building sector to guide the development of future



**From ASHRAE Society**

energy codes and standards and building energy codes adopted by state and local government

“EUIs are very helpful for setting performance-based design goals,” Jarnagin said. “The current focus on reduction of energy use in building stock has made the use of EUIs popular by governmental organizations, non-government organizations and building industry groups, including ASHRAE. Given that there is no clear single definition for EUIs, comparing one organization’s EUI goals to another’s is confusing, particularly since everyone tends to use the same units, kBtu/ft<sup>2</sup>-yr. Our goal is to develop and promote technical tools to assist the commercial building design and construction industry in moving toward higher performing buildings. Defining design energy use targets is a large part of achieving that goal.”

ASHRAE, founded in 1894, is an international organization of some 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 and continuing education.



## Become an ASHRAE volunteer

Volunteering within ASHRAE provides you with a single resource for keeping up with technical advances in the industry. By volunteering, you gain direct access to new technology, technical information available that is universally recognized as authoritative and reliable and you influence the direction of HVAC&R technology.

Volunteering also provides unique opportunities to develop communication, management and leadership skills. Because ASHRAE is a volunteer-driven organization, you cannot turn to a better source for human resource development. ASHRAE offers countless opportunities for developing potential through volunteer work on a committee or at the chapter level. Benefits of volunteering include:

- Strengthening leadership skills
- Improving technical skills and the ability to work on technical issues
- Networking
- Accessibility to resources
- Self-development and sharing of ideas

How strong is the ASHRAE volunteer network? ASHRAE has a membership of some 50,000 people from 137 countries around the world. Of those members, approximately 7,500 are active volunteers. About 2,500 Society-level volunteers serve on the Board of Directors, councils, standing committees, technical committees, standard project committees, etc., and an additional 5,000 or so serve in the regional and chapter structures. Assuming (conservatively) that each volunteer contributes an average of two hours a week, that would be 100 hours a year. Then, of course, 100 hours a year times the 7,500 volunteers gives us 750,000 person hours a year volunteer time. At a time value of \$100 per hour, that's an annual value of \$75 million.

Clearly, ASHRAE depends on its volunteers for its continued success in advancing HVAC&R to serve humanity and promote a sustainable world.

### **Volunteer for your Chapter**

With more than [170 chapters](#) around the world, volunteering at the chapter level is one of the easiest ways to take part in ASHRAE. Volunteering at the chapter level helps you develop a better understanding of how the Society functions and how to receive the most benefit from your membership while contributing to the growth of ASHRAE. For more information on how to volunteer at the chapter level, contact Steve Marthaler at 920-739-6885, or any Chapter Officer.



*American Society of Heating, Refrigerating, and Air Conditioning Engineers, Inc.*

## RSVP

### Demand Control Ventilation

To finalize meeting arrangements and lunch we need your RSVP by 12:00 (noon) on Friday, September 16, 2011.

Our preference would be for everyone to **register on line** or via e-mail to [kevin@webersalesvac.com](mailto:kevin@webersalesvac.com). However, you can fax if necessary.

Use the response form below if you wish.

Fax Response Form To:

**Kevin Weber**

**Weber Sales**

Tel: 920-757-0300

Fax: 920-757-0302

Will attend the September meeting at Liberty Hall in Kimberly.

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Number Attending: \_\_\_\_\_

Will not attend the September meeting but note the following: mailing list additions or corrections, comments on chapter operations, etc.

E-mail Address: \_\_\_\_\_

Comments:



*American Society of Heating, Refrigerating, and Air Conditioning Engineers, Inc.*

## **Meeting Notes**

### **Demand Control Ventilation**

Sponsored by: ASHRAE Northeast Wisconsin Chapter

Location: Liberty Hall

Date: September 20th

Presentation Start Time: 11:30am

Presentation End Time: