



CLEVELAND *ASHRAE NEWSLETTER*

November 2010



NOVEMBER MEETING

Advancing Ohio's Energy Economy: Financial Incentives

November 15, 2010

Speaker: John Greenway

Times: 4:15pm-5:30pm
5:30pm-6:15pm
6:15pm-7:15pm
7:15pm-8:15pm

Board Meeting
Happy Hour
Dinner
Presentation

Location: Harry's Steakhouse
5664 Brecksville Road
Independence, OH 44131

R.S.V.P. @ (216) 373-0315 by 12:00 Noon on Friday, November 12th for Reservations.
Please state if you need a CPD Certificate. Dress Attire is Business Casual.
Guests are welcome for a \$25 dinner charge.

At our November 15th meeting we are very fortunate to have Mr. John Greenway of with the State of Ohio Department of Development. Currently, as a Program Specialist he works to promote programs, products and services for the Development Department Ohio Energy Resources Division. John's presentation will discuss "Advancing Ohio's Energy Economy with Financial Incentives." He will discuss financial and energy resources, including web based programs, energy deployment programs, renewable energy, federal tax credits, residential incentives and the Ohio Energy Gateway Fund.

This Month's Sponsor

Gardiner Trane

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If you are interested in sponsoring the newsletter,
please contact James Dudt at 216-391-3700.



THE PRESIDENT'S CORNER

BY BILLY KODOSKY



October 6, 2010



Hello ASHRAE Members.

We have all been impacted directly by recent changes in our industry. Changes such as the rapid evolution of ASHRAE Standard 90.1, LEED, Energy Star, OSFC Requirements, and others. We will continue to be impacted by changes with emerging ASHRAE Standard 189.1, ASHRAE Building Energy Quotient Program, and Net Zero Buildings. Our clients are demanding common sense approaches to energy savings and sustainability. This month's speaker will help our awareness of what the government is doing to promote sustainability and how we can apply government allocated dollars to our projects. We are grateful to have John Greenway from the Ohio Energy Resources Division as our guest. I ask that each of you ask someone who normally would not attend our ASHRAE meetings to show up for this meeting.

-Billy

OFFICERS & COMMITTEE CHAIRMEN

2010-2011 Officers and Board of Governors

President	Billy Kodosky
President Elect	Shawn Beres
Treasurer	Shawn Beres
Secretary	Matt Morgan

Board of Governors

Dominic Cacolici
Rob Laneve
Doug Barnes
Scott Dusenbury

Committees and Chairs

Chapter Technical Transfer Committee	Robert Laneve
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Programs (CTTC)	Robert Laneve Mike Quinn
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Refrigeration (CTTC)	Richard B. Long
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Gov't Activities (CTTC)	Doug Barnes
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Membership & Roster	Tim Baker
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Product Directory	Daniel J. Bacik
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Research Promotion	Kris Haycook
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Newsletter	James Dudit
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Student Activities	Scott K. Jordan
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Honors & Awards	Fred H. Hollman
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Historian	Dave Deschler
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Science Fair	Steven R. Armstrong
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Meeting Host	Scott Dusenbury Shariq Ali
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Scholarship Fund (Sal Triana & Gardiner)	Ken Borah Billy Kodosky Shawn Beres Gary Gardiner
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Golf Outing	Louis A. Bentzen Ken Borah
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Engineer's Week	James G. MacMillan
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Special Events

Budget & IRS Compliance	Fred H. Hollman
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Sunshine Fund	James W. Wickert
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SPEAKER BIO

John Greenway has 26 years with the State of Ohio Department of Development as a Business Development Rep for several years in the Economic Development Division Office of Business Development. He served as Program Manager in the Business and Industrial Unit Ohio Energy Resources Division. Currently he is a Program Specialist to promote, programs, products and services for the Development Department Ohio Energy Resources Division.



OCTOBER MEETING RECAP

During our October 18, 2010 Chapter meeting we had the pleasure of hosting Mr. Norm Hall of R.L. Deppmann Company. Mr. Hall presented "High Delta T Heating Systems." Norm encouraged the attendees to consider designing beyond the normal 20 degree water temperature drop and utilize temperature drops as high as 60 degrees. Although not commonly used, these types of systems are very possible with today's condensing boilers. Some benefits include improved efficiency,

lower first cost, smaller footprints and less operating costs. A key operating parameter is to bring multiple condensing boilers online at low fire, rather than ramping up a boiler to 100% and then bringing on the next boiler. When using multiple condensing boilers, it is best to have the maximum number of boilers operating, thus "get 'um on, keep 'um on." Mr. Hall also discussed drawbacks to cycling boilers, cautioned about watching for minimum required boiler flow and minimum pump flow. He also

pointed out the minimum pump flow is typically less than minimum boiler flow. When implementing high delta systems, designers should remember to not use these systems for VAV terminal unit systems or radiant ceiling heating panels. One last area to also consider is using the condensing boilers with high turndown for domestic hot water heating. Thank you, Mr. Hall, for visiting our Cleveland ASHRAE Chapter.

ASHRAE Scholarship Application

If you know of someone who is actively attending college to earn a mechanical or architectural engineering degree at a Northeast Ohio University or out of the area but is from the Northeast Ohio area, please point them in a direction of a Sal Triana Scholarship possibility. The intent of this scholarship is to help those engineering students seeking to someday make a career in the HVAC consulting/engineering/sales businesses get through the financial struggles of a higher education.

Applications can be found on the Cleveland ASHRAE Website and e-mailed to kborah@karpinskieng.com. If you have any questions please feel free to contact Ken Borah at **216-391-3700**.



IN THE NEWS...



Standard 90.1-2007 Available as Free Download

In order to move the industry forward toward more energy efficient design, ASHRAE is making it easier than ever before to access its flagship energy standard, 90.1, available as a free download for a limited time.

Through a funding contract with the Department of Energy, copies of the I-P edition of ANSI/ASHRAE/IES Standard 90.1-2007, Energy Standard for Buildings Except Low-Rise Residential Buildings, are being offered as a free downloadable PDF at www.ashrae.org/standard901-2007-free starting Oct. 22, 2010.

"Standard 90.1-2007 is widely used throughout the design community, and the download version makes it available to users at their own computers for ready and easy access," ASHRAE President Lynn G. Bellenger said. "Making the standard available for free ensures that it penetrates the marketplace and reaches owners, contractors and design teams. We appreciate the support of the Department of Energy in reaching a wider audience and extending access to our flagship energy conservation standard."

Since being developed in response to the energy crisis in the 1970s, Standard 90.1 has become the basis for building codes, and the standard for building design and construction throughout the United States.

As buildings consume approximately 40 percent of the primary energy in the United States, the standard is an indispensable reference for engineers and other professionals involved in the design of buildings and building systems.

ASHRAE is an international technical society that 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.

Cleveland ASHRAE Obituaries

We note the passing of **Kenneth L. Holmok** at age 83 in Longboat Key, Florida.

Ken succeeded Jack Jordan as owner of Space Comfort and the ahead-of-its-time green energy-conservation firm Astrup Awning. Space Comfort was Representative for Iron Fireman Boilers and Burners, as the market for Ohio Special "scotch marine" package boilers passed its peak. Iron Fireman was aptly named for the product that built the company: a mechanical coal stoker, in a range of sizes that extended down to cover the residential market. The unique problems of connecting steam heating systems in older apartment and office buildings to modern small gas boilers that need to build steam pressure to stop on-off cycles and modulate the burner, remind us of the special advantage of coal: a skillful fire-tender could achieve a 100-to-1 turndown with a coal fired boiler, producing continuous stable steam generation. For the residential owner of a coal-fired boiler or hot-air furnace, the Iron Fireman stoker enabled the owner to sleep through the cold winter night – after the new baby grew!

ASHRAE Research Promotion

Thank you!

This month is ASHRAE Research Donor Recognition for the 2010-2011 year. ASHRAE would like to extend a special thank you to all of those who generously donated to Research Promotion so far this year and invite others to add their name to this list!

Mr. Frank Mastroianni
Mr. Mark J Banas
Mr. Dominic Cacolici

Mr. Richard A Zbin
Mr. Mike Quinn
Mr. Matthew D Morgan

Mr. Robert J Laneve
Mr. Douglas A Barnes
Mr. Kristopher W Haycook

Mr. Shawn W Beres
Mr. William J Kodosky

To date the Cleveland chapter has raised just over \$1200.00 since the ASHRAE Golf Outing! To support and invest in ongoing efforts of ASHRAE that provide our engineering community with the tools and knowledge for successful designs, go to: www.ashrae.org/aboutus/resource_promotion.asp

During ASHRAE Research Donor Recognition Night, certificates will be passed out for last year's donors and a brief summary of current research projects will be announced. We thank you and look forward to your continued support!





2011 WINTER CONFERENCE

ASHRAE Holds the Sustainability Cards

Join ASHRAE at the 2011 Winter Conference, Jan. 29-Feb. 2, Las Vegas, Nevada



A full-house of professional and personal development activities are offered!

Technical Program—focused on the efficient use of energy, the greening of the industrial base, the real cost of zero-energy design

Virtual Conference—if you can't make it to Las Vegas, don't miss out on the knowledge shared in the technical program with the Virtual Conference

AHR Expo—the ASHRAE co-sponsored AHR Expo takes place Jan. 31-Feb. 2 at the Las Vegas Convention Center. www.ahrexpo.com

ASHRAE Certification—launch of a sixth certification program, targeting building energy assessors. Five existing certification programs also offered

ASHRAE Learning Institute—offers six Professional Development Seminars and 14 Short Courses – includes a new course on building energy modeling and updates to courses covering Standards 62.1 and 90.1

Register before
November 5 and SAVE!

The early bird fee is \$505
(\$685 non-members)

www.ashrae.org/lasvegas





*National Association of Women in Construction
Cleveland Chapter #156*

cordially invites you to attend the

Seventh Annual Joint Associations Holiday Social

Thursday, December 9, 2010

at

Embassy Suites Hotel - Independence

5800 Rockside Woods Blvd., Independence, OH 44131

Join the Members of Construction Industry Associations for an evening of Networking, Holiday Spirits, Good Food, Fun and Fellowship. The 2009 Association Participants included:

Associated General Contractors of Ohio - Cleveland Division (AGC)

American Institute of Architects (AIA)

American Institute of Constructors (AIC)

American Society of Heating, Refrigeration and Air-Conditioning Engineers (ASHRAE)

American Society of Professional Estimators (ASPE)

The Builders Exchange, Inc. (BX)

Construction Employers Association (CEA)

Construction Financial Management Association - Northeast Ohio (CFMA)

Construction Management Association of America - Ohio Chapter (CMAA)

Construction Specifications Institute - Cleveland Chapter (CSI)

Hard Hatted Women (HHW)

Mechanical and Plumbing Industry Council (MAPIC)

Ohio Contractors Association (OCA)

Society for Marketing Professional Services - Northeast Ohio Chapter (SMPS)

Union Construction Industry Partnership (UCIP)

Guests are asked to help our Community by participating in the Canned Food Drive for the Hunger Network. Each person that donates will receive one **free** ticket to participate in the Chinese Auction.

Beautifully decorated themed baskets at the Chinese Auction - tickets are \$1 each or 6 for \$5

Start your holiday shopping fund with the 50/50 Raffle - tickets are \$5 each or 3 for \$10 & 7 for \$20

Personal or company donations are welcome. Please complete the attached donation form.

Fill out the attached reservation form to include with a check payable to: *NAWIC Cleveland Chapter #156*

**Please mail your reservation back NO LATER THAN November 22nd to: Mary Carrossellia,
c/o SimplexGrinnell, 13500 Darice Parkway, Ste B, Strongsville, OH 44149**

Ph: (440) 783-0323, email: mcarrossellia@simplexgrinnell.com





CHAPTER CALENDAR



October 18, 2010
High Delta T Systems
Location: [Harry's Steakhouse](#)

November 15, 2010
Advancing Ohio's Energy Economy:
Financial Incentives
Location: [Harry's Steakhouse](#)

January 19, 2011
Lunch Meeting:
Proper Installation Methods
Using ASHRAE's "Practical Guide to
Seismic Restraint"
James Tauby - ASHRAE DL
Location: [Crowne Plaza](#)

January 29-February 2, 2011
Winter Conference
Location: [Las Vegas, NV](#)

February 23, 2011
Lunch Meeting:
Cleveland Sustainability
Location: [Sheraton Rockside](#)

March 21, 2011
Modeling A Sustainable World
President Bellenger
Location: [Harry's Steakhouse](#)

April 18, 2011
Tour
Location: [TBD](#)

April 21, 2011
ASHRAE Webcast:
Geothermal Heat Pumps
Location: [Karpinski Engineering](#)

May 16, 2011
Variable Refrigerant Systems
Location: [Harry's Steakhouse](#)

June 2011
Membership Promotion
Golf Outing

