



ASHRAE Rochester



VOLUME 4, ISSUE 8

APRIL 5, 2010

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April ASHRAE Meeting (Joint Meeting with the Niagara Frontier Chapter) **Monday, April 19, 2010**

Location: Perry's Ice Cream, One Ice Cream Plaza, Akron, NY 14001

Time: 6:00 – 8:00 PM with Dinner Served

Cost: \$25.00

Presenters: Russ Parry of Mollenberg-Betz Inc. and Kevin Smith of CDIMS

Please join us for our monthly ASHRAE meeting. This month we are pleased to join our friends from the Niagara Frontier Chapter for a joint meeting. This is our Annual ASHRAE Refrigeration Night.

Topic: Use of Desiccants for Dehumidification in Freezer Applications

The presentation will review the use of desiccants for dehumidification in freezer applications to save energy, reduce defrost times and improve the overall safety of the areas within and around the freezer space.

Tours of the facilities will be available after the presentation.

Russ Parry has been a Project Manager/Engineer with Mollenberg-Betz for thirteen years and specializes in refrigeration projects. Mollenberg-Betz, founded in 1910 has been a premier mechanical contractor specializing in Refrigeration, HVAC, Process Piping, Prefabrication, Service, Ice Rinks, and Plumbing.

Kevin Smith is an Engineer with CDIMS based in Brighton Michigan. CDIMS specializes in the Application and Sales of Industrial Desiccant Dehumidifiers.

RSVP no later than noon Thursday, April 15th to Ed Burns, Phone: 585-872-6681 or ejb@mechtechvac.com. Space is limited for this meeting and is available on a first come basis, so if there is an interest in attending, please make your reservation right away.





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ASHRAE 2009/2010 MEETING SCHEDULE

DATE	EVENT	LOCATION	SCHEDULE
4/19/2010	Refrigeration Night—Tour of Perry’s Ice Cream	Perry’s Ice Cream—Akron Dinner	See cover page 1
5/18/2010	Annual ASHRAE Golf Outing and Picnic	Ravenwood Golf Club	8:00 AM Golf 2:00 PM Picnic 6:45 PM Dinner

Attention Members:

Just a reminder that all members that reserve a spot for the monthly meeting will be responsible for that reserved space. Members have until 12:00 pm the day of the RSVP deadline to cancel their meeting reservation. Failure to comply with this rule will result in the attendee being responsible for the payment of that reservation.

ASHRAE Rochester Chapter Officers

Mission Statement

ASHRAE will advance the arts and sciences of heating, ventilation, air conditioning, refrigeration and related human factors to serve the evolving needs of the public and ASHRAE members.



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

Vision Statement

- will be the global leader in the arts and sciences of heating, ventilation, air conditioning and refrigeration.
- will be the foremost, authoritative, timely and responsive source of technical and educational information, standards and guidelines.
- will be the primary provider of opportunity for professional growth, recognizing and adapting to changing demographics, and embracing diversity.

President's Message by: Jeff Davis

Last month, the Rochester Chapter was honored to host Hoy Bohanon, an ASHRAE Distinguished Lecturer for a presentation titled "How to Implement Demand Control Ventilation and Comply with ASHRAE Standards." The omission of specific standards in his title was intentional as there are several standards that make reference to demand control ventilation. Standards 62.1, 90.1, and 189.1 each have a slightly different approach to DCV including the definition of a "densely occupied space". Standards 90.1 and 189.1 require DCV while Standard 62.1 simply allows the use of DCV techniques. As you probably already know, there are two paths for compliance with Standard 62.1 including the Ventilation Rate Procedure (VRP) which is a straightforward, table driven approach, or the Indoor Air Quality (IAQ) Procedure, a performance based design approach. When using the IAQ Procedure, a common basis of control is CO₂ level. Hoy made reference to Stanley Mumma's paper titled "Transient Occupancy Ventilation by Monitoring CO₂". Mr. Mumma has published several papers in the ASHRAE Journal, ASHRAE Transactions, along with many other trade publications about ventilation, demand control ventilation, and the use of CO₂ as the basis of control. It is worth noting that using CO₂ as a basis for ventilation control is not a requirement of Standards 90.1 or 189.1. Other methods including population counters, timers, and occupancy schedules are acceptable means of determining occupancy levels for ventilation purposes. I offer a sincere thank you to Hoy for this excellent presentation on a very relevant topic.

Last month, the Rochester HVAC community sadly noted the passing of William C. "Bill" Schmitt. I'll copy an excerpt from an issue of the Labor News, written by the Sheet Metal Worker's Local Union 46: "Bill served in the Army Air Corps during World War II and was President and Owner of William J. Schmitt Sheet Metal & Roofing Company until his retirement. In addition to his many accomplishments Bill was also a Sheet Metal instructor and good union member." Bill was President of the Rochester Chapter of ASHRAE in 1972-1973. Even after retirement, Bill was a frequent attendee at the Chapter meetings. His presence will be missed.

The April Chapter meeting will be the final technical meeting of the ASHRAE season before the annual picnic and golf outing. Please join us for a joint meeting with the Niagara Frontier Chapter for a tour of the Perry's Ice Cream factory refrigeration system, and yes ice cream!



Jeff Davis, PE, 2009-2010 President



ASHRAE Region I Executive Committee 2009-2010



DRC—Director & Regional Chair:	Spencer Morasch, Jersey Central Power Light Ph: 732-212-4133 smorasch@firstenergycorp.com
ARC—Assistant & Regional Chair & Treasurer:	Garry Myers, Flack & Kurtz Inc. Ph: 212-951-2815 Garry.Myers@wspfk.com
Nominating Committee Member:	Emery Otruba, PE Ph: 518-686-4436 eotruba@verizon.net
Nominating Committee Alternate:	Cliff Konitz Ph: 845-297-5864 c.konitz@verizon.net
RVC Membership Promotion:	Joseph Furman, Belimo Americas Ph: 203-749-3163 joe.furman@us.belimo.com
RVC Research Promotion:	Darcy Carbone, Stebbins-Duffy, Inc Ph: 781-246-0840 dcarbone@stebbinsduffy.com
RVC Chapter Technology Transfer:	Steve Rosen, Einhorn, Yaffee & Prescott Ph: 508-269-8952 srosen@eypae.com
RVC Student Activities:	Richard Vehlow, NYS Office General Svcs Ph: 518-486-1510 Rev1969@gmail.com
Regional Chapter Programs:	Peter Oppelt, R. F. Peck Ph: 585-697-0836 x103 poppelt@rfpeck.com
Regional Refrigeration Chair:	Steven Friedman, Lilker Associates Ph: 212-695-1000 x261 sfriedman@lilker.com
Regional Historian:	Phil Knowlton, Knowlton Associates Ph: 860-642-3970 pbknowlton@comcast.net
Regional Electronics Communication Chair & Newsletter Judge:	Heather Nowakowski, Roswell Park Cancer Inst Ph: 716-845-3521 Heather.nowakowskie@roswellpark.org
Director of Member Services:	Carolyn Kettering Ph: 404-636-8400 ckettering@ashrae.org
Director of Communications and Publications:	Jodi Dunlop Ph: 404-636-8400 jdunlop@ashrae.org





2010 ASHRAE PICNIC SPONSORSHIP FORM

Tuesday, May 18, 2010

<p>Ravenwood Golf Course 929 Lynaugh Road Victor, NY 14564</p> <p>11:00 AM - 4:30 PM - Golf</p>	<p>Picnic: 4:30 PM-8:00 PM 4:30 PM - 6:00 PM Cocktails and Hors d'oeuvres 6:00 PM - 8:00 PM Dinner Catered By: Dinosaur Barbeque at Ravenwood Golf Club</p>	<p>Four Man Scramble and Optional Skins Game.</p> <p><u>Golf includes:</u></p> <ul style="list-style-type: none"> ➤ Golf ➤ Cart ➤ Driving Range ➤ Prizes ➤ On course beverages and food at the turn

Please include check (on notes put what sponsorship you made)

*and make payable to:
ASHRAE Rochester Chapter
and mail to:*

**Attention: Edward J. Burns
Mech Tech HVAC, Inc.
195 North Ave.
Webster, NY 14580**

*Any questions, call Ed at (585) 872-6681
Email: ejb@mechtechvac.com*

Please fill out info so we can **correctly recognize you or your Company:**

Company Name: _____

OR

Individual Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: (Work) _____ (Home) _____

Sponsorship Form

Sponsorship Name	X here for your Sponsorship	Sponsorship Amt.
Gold - \$250.00 - Hole Sponsorship and Recognition at Picnic		\$250.00
Silver - \$150.00 - Hole Sponsorship		\$150.00
Bronze - \$100.00 - Recognition at Picnic		\$100.00
Prize Sponsor - \$175.00 - Longest Drive		\$175.00
Prize Sponsor - \$175.00 - Closest to Pin		\$175.00
Total Check Amount:		



TUESDAY, MAY 18, 2010

Combined ASHRAE Golf Tournament/Picnic
NEW LOCATION: The Entire Event to be held at
Ravenwood Golf Course

Reservation Deadline is... **May 11, 2010**
 (There is a limited amount of tickets this year on a first come basis)

		
<p>Ravenwood Golf Course 929 Lynaugh Road Victor, NY 14564</p> <p>11:00 AM - 4:30 PM - Golf</p>	<p><u>Picnic: 4:30 PM-8:00 PM</u> 4:30 PM - 6:00 PM Cocktails and Hors d'oeuvres 6:00 PM - 8:00 PM Dinner Catered By: Dinosaur Barbeque at Ravenwood Golf Club</p> 	<p><i>Four Man Scramble and Optional Skins Game.</i></p> <p><u>Golf includes:</u></p> <ul style="list-style-type: none"> ➤ Golf ➤ Cart ➤ Driving Range ➤ Prizes ➤ On course beverages and food at the turn

**NO TICKETS WILL BE SOLD OR DISTRIBUTED AT THE DOOR! RES HAS THE TICKETS THIS YEAR.
 TICKETS WILL BE MAILED TO YOU OR CAN BE PICKED UP AT THE
 ROCHESTER ENGINEERING SOCIETY.**

Please include check and make payable to:
"ASHRAE – Rochester Chapter"

Return this form....
 Mail prior to **May 11, 2010** to:
 Attention: Reservation Clerk
 Rochester Engineering Society
 150 State Street
 Rochester, New York 14614
 Any questions, call (585) 254-2350
 Email: res@frontiernet.net

Address where you would like your picnic tickets sent to:
 Company: _____
 Contact Name: _____
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone: (Work) _____ (Home) _____

<i>Ticket Request Form</i>			
<i>Event</i>	<i>Fee Amount</i>	<i>No. Attending</i>	<i>Total</i>
Golf	\$85.00		\$
Picnic	\$45.00		\$
OR:			
Golf and Picnic (SAVE \$10.00)	\$120.00		\$
Total amount enclosed:			\$



Rochester Chapter – ASHRAE CTTC Committee Technology Awards Submissions

ASHRAE Technology Awards are the HVAC&R industry's most prestigious honor for efficient energy use in buildings and environmental system performance.

The Rochester Chapter Technology Transfer Committee is seeking Technology Award submissions from *all* Rochester chapter members.

Technology Awards recognize ASHRAE members for innovative design, highlight technological achievements and showcase local projects to other ASHRAE members.

Categories include new or existing;

- Commercial Buildings
- Institutional Buildings
- Health Care Facilities
- Industrial Facilities

- Public Assembly
- Residential
- Alternative or Renewable Energy Use.

Short form applications should be submitted for local chapter judging by April 15, 2010. Local winners will be selected for regional judging and will be submitted by May 15, 2010. Regional winners prepare a long form submission by September 1, 2010 for submission to Society. Society winners are presented at the Plenary Session of the Society's Winter Meeting.

Please contact me for additional information on submitting your Technology Award Short Form application, or download it at:

<http://www.ashrae.org/members/page/1646>

Carlos Dachary
ASHRAE Rochester Chapter Technology Transfer Committee
cdachary@spc-ny.com
585 943-2456



Please join us for the 2010 Summer Region 1 dinner!

High Finance Restaurant

More info on the restaurant is available here: <http://www.sandiapeakrestaurants.com/highfinance/>

Please be at the Tram Lift (\$13 - included in the \$50 cost!) by 5:30pm. The Tram holds up to 50 and it runs about every 20 minutes.

If you wish to carpool to The Peak via a shared taxi or with your rental car, please let me know in your RSVP, & I'll put people together. Please RSVP by June 22, 2010, via the link below. The reservations for this event will be via e-mail link on the Region I webpage http://www.ashraeregion1.org/region_i_dinner.htm

R.S.V.P. Today

Thanks!
Steve Rosen

Directions:

FROM I-40

Exit 167: Tramway Blvd., take Tramway Blvd. North approximately 9 miles to Tramway Rd. Take Tram to The Peak where High Finance is located.

FROM I-25

EXIT 234: EXIT 234 Tramway Road. Follow Tramway Road, East to the Sandia Peak Tramway. Take Tram to The Peak where High Finance is located.

Tossed Mixed Greens Or Cup of soup
GRILLED FILET OF SALMON
 Served on basmati rice, vegetable du jour & A Serrano-mango gastrique
CHICKEN FLORENTINE
 Chicken breast stuffed with roasted bell peppers, spinach & Boursin cheese, served over a bed of fettuccine alfredo & Served with vegetable du jour
HERB MARINATED SIRLOIN CAP
 Over Boursin cheese potato puree, Vegetable du jour and roasted garlic butter
STIR FRY
 Stir fried vegetables with choice of beef, chicken or shrimp Served over a bed of basmati rice
DESSERT
 Fresh Brewed Coffee, Tea or Soda

Cost is \$50 per person
 Cost includes tax, gratuity & round trip Tram Ride

The only restaurant located at the top of Sandia Peak!
 (Menu subject to slight modifications)

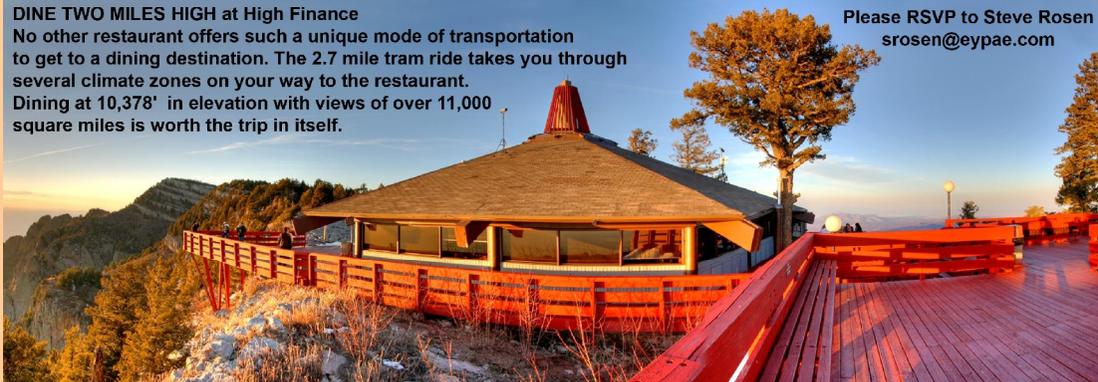
Region 1 Dinner

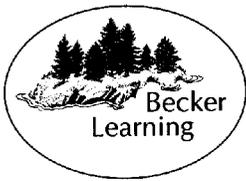
Sunday June 27, 2010 - 6:00pm

ASHRAE Summer Meeting - Albuquerque, NM

DINE TWO MILES HIGH at High Finance
 No other restaurant offers such a unique mode of transportation to get to a dining destination. The 2.7 mile tram ride takes you through several climate zones on your way to the restaurant. Dining at 10,378' in elevation with views of over 11,000 square miles is worth the trip in itself.

Please RSVP to Steve Rosen
srosen@eypae.com





Your technical training provider presents

Air Conditioning Fundamentals 2010

10

Target Audience: Any engineer, designer, technician, or assistant who wants to broaden their base in the fundamentals, will greatly benefit from this training.

Primary Benefit: Students will enjoy learning as much practical knowledge as possible about Air Conditioning Fundamentals. Students won't waste a great deal of time in theory. The typical student can immediately apply what he/she learns. Past attendees have boosted their overall confidence and found many ways to apply their recently acquired knowledge.

2010 Course Offerings (Rochester, NY): (all classes are 3-days; Tuesday - Thursday)

- [] Apr 13-15 'Refrigeration Fundamentals' (Refrig Basics, Refrig Piping, Refrig & Our Environment)
- [] May 11-13 'Systems Fundamentals' (HVAC Systems, Dehumidification, Ice Storage, Heat Recovery, etc...)
- [] Aug 10-12 '**Energy Efficient Design Fundamentals**' (Chilled Wtr, DX, VAV, Dehumidification)
- [] Sep 14-16 '**Product Fundamentals**' (AHU, WSHP, RTU, Chillers, Fan Coils, UV)

Note: For more information about each of these classes, log onto BeckerLearning.com

Registration Deadline: Each course will be filled on a first-come-first-reserved basis.

Payment Deadline: Complete Payment must be received prior to the start of the class.

Contact: Joe Becker, Becker Learning / 5980 Sheppard Road / Dansville, NY 14437
Phone: (585) 317-0000 Email: Joe@BeckerLearning.com

More Details for 3- day courses:

Where: The specific Henrietta, NY location (immediately south of Rochester, NY) will be decided at least 30-days before the class & all attendees will be emailed all appropriate information in time to make hotel reservations.

Time: We will start each morning at 8:00 AM and end by 5:00 PM (except Thursday when we end by 4:00 PM)

Food: Lunch, mid-morning and mid-afternoon snacks & drinks are provided.

What is not included: Transportation, other meals & lodging.

Travel: Arrival: Since the seminar starts at 8:00 a.m., plan to arrive the night before.

Departure: You can book flights out of Rochester International Airport as early as 5:15 p.m. on Thursday since our Henrietta, NY location is less than 10-minutes from the airport.



Registration: Please fill out this form for each person attending, and mail along with a **Check or Purchase Order** (made out to 'Becker Learning') to: **Becker Learning / 5980 Sheppard Road / Dansville, NY 14437**

2010 Courses: Refrigeration

(check all that apply) Systems Energy Eff. Design Products

Name: _____ Title: _____

Company: _____

Address: _____

Phone: ()

Email: _____

# of Courses	\$/course	Total Cost \$	Check # or PO #
	\$1,000		

Authorizing Person

Printed Name	Signature	Date

***If a PO is given, full payment must be received prior to the first day of class.

Cancellation Policy:

If someone cancels 60-days prior to the start of the class => no cancellation charge.

If someone cancels 30-60 days prior to the start of class => 50% cancellation charge

If someone cancels less than 2-weeks before the start of class, or simply doesn't show up => charged the full amount

Teaching Methodology:

Similar to the way Joe taught nine classes in the Graduate Training Program of The Trane Company, students will learn a concept and then immediately apply this new knowledge with an application problem. Quiz/testing will also be used to measure the overall effectiveness of the teaching. In this way, the program receives continual improvement through direct feedback.

About the Instructor:

Joe Becker is a graduate of the University of Wisconsin-Madison with degrees in Naval Science and Industrial Engineering (1979). He is also a Graduate from the U.S. Naval Nuclear Power School at Mare Island, California (1975). Joe is a registered Professional Engineer.

After nine years in the Navy, Joe resigned his Commission in the Civil Engineer Corps. He joined The Trane Company as a Systems Engineer in the C.D.S. computer software design group where he spent a great deal of time running Trace Building Energy Analysis programs as well as teaching others how to use a variety of powerful C.D.S. software tools. He also worked as a Marketing Engineer in the Variable Air Volume Product Group. During his last 5 years in Trane Headquarters, he served as the Manager of Technical Training, where his primary responsibility was to teach the technical subjects to those attending Trane's premier six month long Graduate Training Class. Joe left Headquarters in 1990 to join the Rochester, NY field sales office as a sales engineer. He distinguished himself by earning Trane's coveted Top-10 Club three years in a row before being promoted to the Rochester Sales Manager in 1997. The following year he was given the Syracuse sales management responsibilities as well. Joe was the Regional Sales Manager of the Northeast Territory from January 2005 through March 2007.

Joe currently works part-time for Trane's NE Territory and provides technical training through Becker Learning.

Governmental Affairs Update

Welcome to ASHRAE's Government Affairs Update. Along with the redeveloped Government Affairs webpage, these periodic e-mail updates feature information on government affairs related activities of interest to ASHRAE members and others interested in the built environment. Archives of previous updates are available from the government affairs webpage (<http://www.ashrae.org/advocacy>).

Please pass this information on to interested colleagues who also may subscribe from the ASHRAE Government Affairs webpage. Should you wish to unsubscribe, information appears at the end of this e-mail.

If you have any recommendations regarding content, or have questions about or would like to participate in Washington Office activities, please contact ASHRAE Government Affairs staff at (202) 833-1830 or washdc@ashrae.org.

ASHRAE Government Affairs Update, 4/2/10

- [Senator Jeff Merkley \(D-OR\) introduces "Building Star" Proposal Legislation](#)
- [ASHRAE Leadership Visits](#)
- [Engineering Public Policy Symposium - April 20, 2010](#)
- [Senator Jeff Bingaman \(D-NM\) introduces "Home Star" Proposal Legislation](#)



[Senator Jeff Merkley \(D-OR\) introduces "Building Star" Proposal Legislation](#)

On March 4, 2010, Senator Jeff Merkley (D-OR) introduced S. 3079, the "Building Star Energy Efficiency Act of 2010." According to Senator Merkley, "Clean energy is not only the next great growth industry, but it's an engine for job creation today." He went on to say "Energy-efficiency programs like 'Building Star' will put Americans to work in construction and manufacturing and save small businesses money as we strive for American energy independence." The bill was referred to the Senate Committee on Energy and Natural Resources. ASHRAE is listed in the section on definitions at the very start of the bill and building envelope insulation is defined according to ASHRAE Standard 90.1-2007 or 2009 IECC as appropriate. The reference to climate zone in the bill is also defined according to ASHRAE Standard 90.1-2007 as is Qualified Building Envelope Insulation and that latter is also referenced to 2009 IECC. A Qualified Energy Audit references an ASHRAE Level II energy audit. Roof insulation also references ASHRAE Standard 90.1-2007 or 2009 IECC. ASHRAE's standard 90.1-2007 and the 2009 IECC are referenced for Qualified Mechanical Insulation. 90.1-2007 is also cited with regard to Qualified Replacement Chiller. Finally, an ASHRAE Commissioning Process Management Professional certification with regard to a Qualified Retro Commissioning Study is cited as well.

The Energy Future Coalition said this bill would give a jolt to manufacturing and get the building trades working again by installing energy saving equipment in buildings, storefronts and multi-family homes across the nation. The EFC calls the "Building STAR" legislation "a job-creation proposal supported by member organizations of *Rebuilding America*, a groundbreaking coalition of unions, contractor associations, manufacturers, financial services companies and energy efficiency advocates. Rebates included in the bill would amount to \$6 billion, in order to stimulate \$18 to \$24 billion in total investment, resulting in more than 150,000 new jobs. These jobs will pay well, allow companies to rehire laid off workers and infuse sorely needed capital into small businesses and hard-hit communities across the country. The savings accrued by building owners and the profits earned by laborers and manufacturers will power even more economic growth." (<http://www.energyfuturecoalition.org/files/webfmuploads/EFC%20Building%20STAR%20Press%20Release%203.4.10.pdf>)

<http://www.energyfuturecoalition.org/files/webfmuploads/Senate%20Building%20STAR%20Press%20Release%203.4.10.pdf>

[ASRAE Leadership Visits](#)

On April 26-27, ASHRAE's Leadership will visit Washington, D.C. to meet with officials from government agencies and private energy associations to discuss issues such as building technologies and energy issues. ASHRAE leadership will meet with the ICC, SMACNA, NIST, NIBS and DOE. Efforts are also being made to arrange a meeting with EPA as well. Geothermal Technologies Program (<http://www.eere.energy.gov/geothermal/>).

[Engineering Public Policy Symposium - April 20, 2010](#)

The annual "Engineering Public Policy Symposium" will be held on April 20th from 8:30 am – 1:00 pm in the Members Room of the Library of Congress' Thomas Jefferson Building. Administration officials, Members of Congress and their staffs will be present to discuss their legislative priorities for the 111th Congress' second session as regards energy, the environment and R&D. There is no charge for the event but seating is limited so register early at <http://tiny.cc/E1F6I>

(continued on page 13)

Governmental Affairs Update (continued)

Senator Jeff Bingaman (D-NM) introduces “Home Star” Proposal Legislation

On March 25, 2010, Senator Jeff Bingaman (D-NM) introduced S. 3177 the Home Star Energy Retrofit Act of 2010. According to remarks in the *Congressional Record*, Senator Bingaman said “If enacted, HOME STAR will build on existing policies and initiatives that have already proved effective. The program is supported by a broad coalition of over 600 groups including construction contractors, building products and mechanical manufacturers, retail sales businesses, environmental groups and labor advocates. HOME STAR will provide point-of-sale instant savings to encourage homeowners to install residential energy upgrades such as air sealing, insulation, and high efficiency furnaces and water heaters. HOME STAR will have a two-tiered approach that will offer flexibility to homeowners when choosing retrofits to install. Under the Silver Star program, rebates averaging \$1,000 will be offered for the installation of each eligible energy-saving measure such as new insulation and high-efficiency heating and cooling systems, up to maximum of \$3,000 per home. Under the Gold Star program, there will be performance-based grants of \$3,000 for a 20 percent reduction in home energy consumption and \$1,000 for each additional 5 percent of verified energy reduction as determined by a comparison of the energy consumption of the home before and after the retrofit. HOME STAR will also create American jobs in the construction industry, which has lost 1.6 million jobs since December 2007, with unemployment rates topping 25 percent in some regions. HOME STAR leverages private investment to create a strong market for home energy retrofits, and will put hundreds of thousands of unemployed Americans back to work as well as stimulating demand for building materials produced by American factories. Finally, HOME STAR will reduce home energy consumption and dependence on foreign oil. HOME STAR helps Americans pay for cost-effective home improvements, create permanent reductions in household energy bills, and reduce our national carbon footprint. Residential energy efficiency improvements covered by the HOME STAR program reduce energy waste in most homes by 20 to 40 percent. When combined with low-interest financing, these retrofits can be cash-flow positive upon project completion. An initiative with a potential to retrofit over 3 million homes, HOME STAR will achieve significant reductions in building-related greenhouse gas emissions while generating long-term energy savings for American consumers and reducing energy usage by an amount equal to four 300-megawatt power plants.”



Commissioning Webcast - April 21, 2010, 1pm - 4pm EDT

Why do I need Commissioning? Why should Commissioning start in the design phase? How can I avoid or reverse building performance decay? How does Commissioning improve ROI? Get answers to these questions and tools to commission your next building by participating in the ASHRAE Webcast, “**Right from the Start—Commissioning for High Performing Buildings.**” Register and access this free webcast via the Internet on April 21, 2010, from 1 to 4 p.m. EDT. The program is sponsored by ASHRAE’s Chapter Technology Transfer Committee with support from the ASHRAE’s *High Performing Buildings Magazine*.

Online registration begins **March 2nd** at www.ashrae.org/Cxwebcast.

Three (3) Professional Development Hours (PDHs) or three (3) AIA Learning Units (LU’s) may be awarded to viewers who complete the “Participant Reaction Form” online by **April 30, 2010**. Chapters may also earn 100 Presidential Award of Excellence (PAOE) points for hosting the webcast.

Information about the program and a media kit to assist chapters with promotion are available at www.ashrae.org/Cxwebcast. Please watch for updates via *ASHRAE Insights* and www.ashrae.org.

If you have questions, call (678) 539-1200 or email ashrae-webcast@ashrae.org.

ASHRAE Jobs is the Society's Online employment resource

With an exceptionally difficult recruitment market, the ASHRAE Jobs Career Center has been averaging 55 active job postings per month and just over 5,000 monthly job seeking visitors. Recruiters are experiencing, on average, 12 online applications per job posting and have access to just over 1200 resumes that have posted its launch on June 15.

ASHRAE Jobs is not only about the hire. It is the path to a hire. By visiting www.ashraejobs.com, you can search for certain skill sets and demographics that you are "always looking for". It is the place to capture high performers you can use to replace underperformers. Is this the place to see if your competitors people are out searching and interested in you. It is also the place to capture candidates for your Q1 hires because we are only 45 days away.

ASHRAE Jobs understands you do not want to be sold to. But you still have opportunities and problems, and may need a professional to discuss those with. That is what you can expect from ASHRAE Jobs: a no-strings-attached conversation where a representative listens and then makes recommendations whether they include ASHRAE Jobs or not. For more information, visit www.ashraejobs.com, call 888-482-2562 or e-mail John VonHarz at jvonharz@ashraejobs.com. An ASHRAE Jobs representative is available during business hours to discuss your firm's needs and make recommendations on next steps.

*April 21:
Happy
Administrative
Professional's Day*

2009-2010 Presidential Award of Excellence Summary

Chapter #	Chapter Name	Chapter Members	Member Promotion	Student Activities	Research Promotion	Chapter Technology Transfer	History	Chapter Operations	Chapter PAOE Totals
11	Rochester	241	0	0	495	450	0	720	1665

A little humor to help break up the day...

Great Engineering Quote ...

Engineers aren't boring people, we just get excited over boring things.
--Anon.



Job Postings & Help Wanted



This section of the newsletter is reserved for those firms wishing to advertise their desires to hire from the Chapters Membership.

If you are interested in utilizing this FREE service provided by the Rochester Chapter, please contact our Newsletter Editor, Christina Walter (585.486.2148) or by email cmwalter@trane.com

This service is available to any firm in our industry looking for knowledgeable persons in the HVAC&R industry.



Company Description

Hunt Engineers, Architects and Land Surveyors is a full service Architecture and Engineering company with offices in Rochester, Horseheads and Pennsylvania. We are looking for experienced people for the Rochester office who would enjoy working for a progressive and professional firm in a supportive and enjoyable environment. Hunt is an equal opportunity employer.

Mechanical Engineer

Job Description

Work independently in the HVAC and Plumbing disciplines.
 Apply building energy simulation programs and energy calculation software such as Trane Trace and E-Quest.
 Building auditing and analysis of existing building systems performance.
 Size and select HVAC air handling and hydronic equipment.
 Design duct and piping systems.
 Develop design or retrofit concepts.
 Write accurate scope of work descriptions.
 Calculate savings potential, and estimate budget implementation costs.
 Prepare detailed facility audit reports and other related technical writing documents.
 Write technical specifications for engineered systems.

Qualifications

4 year degree in Engineering or other related field.
 Minimum 5 years design experience in engineering related to building facilities mechanical systems.
 Direct experience in energy systems and/or energy reduction initiatives.
 Strong written and verbal communication skills and is comfortable working in customer-facing situations.

The following capabilities a plus:

Experience in commissioning or Retro-Commissioning activities.
 Design of Fire Protection systems

HUNT ENGINEERS
ARCHITECTS
SURVEYORS

Mechanical Designer

Job Description

Work independently in the HVAC and Plumbing disciplines.
 Layout of HVAC air handling and hydronic systems.
 Design and drafting of duct and piping systems.
 Field survey, measurement and routing of duct and piping systems.
 Field inspection of designed systems for compliance with contract documents.

Qualifications

2 year degree in HVAC, Mechanical Engineering or other related field.
 Minimum 5 years design experience related to building facilities mechanical systems.
 Experience with the latest version of Autocad Building Systems software.

The following capabilities a plus:

Design of Fire Protection systems.
 In depth capabilities with Autocad such as 3-D capabilities and LISP routines.
 Familiar with Revit Cad design software.

ASHRAE Learning Institute Spring 2010 Online Course Series

2 WAYS TO REGISTER

Internet: www.ashrae.org/onlinecourses

Phone: Call toll-free at 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

Note: You may register up to 24 hours prior to an online seminar. Courses are in US Eastern Standard Time.



Introduction to Thermal Energy Storage Systems for A/C
Wednesday, April 7, 2010 – 1:00 p.m. to 4:00 p.m. EDT

Using Standard 90.1 to Meet LEED Requirements
Monday, April 26, 2010 – 1:00 p.m. to 4:00 p.m. EDT

Complying with Standard 90.1-2007: HVAC/Mechanical
Monday, April 12, 2010 – 1:00 p.m. to 4:00 p.m. EDT

Introduction to Cleanroom Design
Wednesday, April 28, 2010 – 1:00 p.m. to 4:00 p.m. EDT

Energy Management in New & Existing Buildings: A Sustainable Activity
Wednesday, April 14, 2010 – 1:00 p.m. to 4:00 p.m. EDT

District Cooling & Heating Systems: Central Plants
Monday, May 3, 2010 – 1:00 p.m. to 4:00 p.m. EDT

Complying with Standard 90.1-2007: Envelope/Lighting
Monday, April 19, 2010 – 1:00 p.m. to 4:00 p.m. EDT

Complying with Requirements of ASHRAE Standard 62.1-2007
Wednesday, May 5, 2010 – 1:00 p.m. to 4:00 p.m. EDT



ASHRAE
LEARNING-INSTITUTE

Understanding & Designing Dedicated Outside Air Systems (DOAS)
Monday, May 10, 2010 – 1:00 p.m. to 4:00 p.m. EDT

Hot Products from ASHRAE

A leader in HVAC&R technology, ASHRAE publications cover topics that impact every facet of the environment, both indoors and out.

Latest Publications from ASHRAE!

- Standard 189.1-2009, Standard for the Design of High-Performance Green Buildings* (A Jurisdictional Compliance Option of the IGCC)
- ASHRAE Handbook Online* – Web-Based access to all 4 volumes
- ASHRAE Pocket Guide* – Useful information that fits in a shirt pocket
- IAQ Guide: Best Practices for Design, Construction and Commissioning*
- Load Calculation Applications Manual*

Other Products from ASHRAE!

- Energy Efficiency Guide for Existing Commercial Buildings*
- Dampers and Airflow Control*
- Building Information Modeling Guide*
- Advanced Energy Design Guide for Small Hospitals and Healthcare Facilities*
- Principles of Heating, Ventilating, and Air Conditioning* – Textbook based on the 2009 ASHRAE Handbook - Fundamentals

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Society News: Sen. Feinstein Highlights ASHRAE in Congressional Record Remarks

ATLANTA—The U.S. Senate passed legislation that could make air travel a little less stressful and much more healthy by calling for the Federal Aviation Administration (FAA) to conduct a study of air quality in the cabins of U.S. airliners.

The measure to protect the flying public from harmful toxins in cabin air planes was put forth by Senator Dianne Feinstein’s (D-Calif.) and approved by the Senate on March 22.

In her address to the Senate, Feinstein supported her argument for further study of the quality and safety of cabin air with a 2009 letter from ASHRAE Presidential Member William Harrison, in which he called on the FAA to “investigate and determine the requirements for bleed air contaminant monitoring and solutions to prevent bleed air contamination.”

“I agree with the ASHRAE recommendation that we need to study this problem and take steps to protect public health and safety,” Feinstein said, in presenting the measure as an amendment to the FAA Air Transportation Modernization and Safety Improve Act. “I offer this amendment in order to implement ASHRAE’s very sound recommendations, and I encourage my colleagues to support it.”

In the letter, Harrison urged the FAA to con-

sider adopting ASHRAE Standard 161-2007, *Air Quality Within Commercial Aircraft*, which covers issues such as temperature, cabin pressure, air contaminants and ventilation rates. The standard also addresses chemical, physical and biological contaminants that could affect air quality as well. Methods of testing are provided for ensuring compliance with the standard’s requirements.

Harrison’s letter was submitted to be included in the Congressional record.

“The Senate legislation is a move in the right direction for aircraft passenger safety and comfort,” Doug Read, program director of government affairs for ASHRAE, said. “The Society works hard to ensure federal legislation captures the important work and expertise of ASHRAE in all aspects, and utilizes this expertise to advance and protect the needs of the general public. Standard 161 is an example of ASHRAE’s expertise in other areas and provides yet another avenue towards this goal.”

As an amendment to the FAA Air Transportation Modernization and Safety Improvement Act, the measure will “ensure that the FAA has the information it needs to protect the public from harmful toxins in ventilation systems on commercial aircraft.”

“ASHRAE is pleased to hear of this amendment, we have long urged for this issue to be addressed by the FAA” ASHRAE President Gordon Holness said. “Raising awareness to the

necessity of high standards for indoor air quality, whether in a building or an airplane, helps to further the Society’s mission of serving humanity through advancing HVAC&R technology.”

“ASHRAE will continue to reach out to FAA and offer Standard 161 as guidance as it begins its investigations in cabin air quality, with the hope that this results in stronger regulations to control indoor air quality in aircraft cabins” he said.

The measure now must be considered by both chambers for inclusion in the final bill to reauthorize the FAA.

Created in 1958 under the Federal Aviation Act, the FAA is responsible for the safety of civil aviation and is a part of the Department of Transportation. Its major roles include regulating civil aviation; encouraging and developing civil aeronautics; developing and operating a system of air traffic control; and regulating U.S. commercial space transportation, to name just a few.

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.

Disclaimer

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From the Editor’s Desk

The ASHRAE Chapter Bulletin should reflect the opinions, activities and needs of it’s members. We represent an active membership and the Bulletin can provide a valuable and enjoyable forum for news of our individual members.

Any announcements of interest, as well as letters, opinions, questions or comments, should be addressed to Christina Walter, Trane, 75 Town Centre Drive, Rochester, NY 14623 or email to cmwalter@trane.com

Reminder

Go to www.ashrae.org to update your personal information. Keeping your information current helps us to find you. Please add email, phone number, fax number, address correction, etc.

