

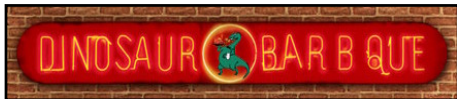


VOLUME 2, ISSUE 9

MAY 1, 2008

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Come and enjoy the NEW location & format of the...

### ASHRAE Picnic and Golf Outing

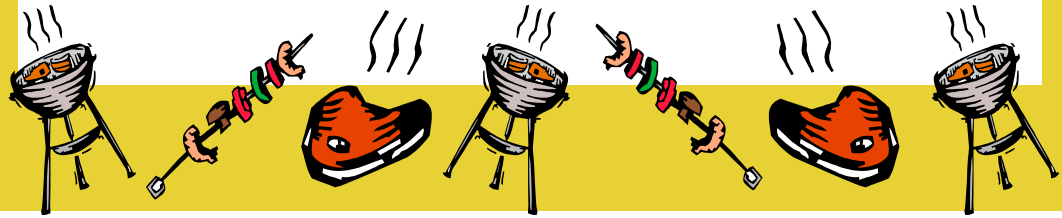
Date: Tuesday, May 20<sup>th</sup>

Place: Ravenwood Golf Club

929 Lynaugh Road, Victor

Catered by: Dinosaur BBQ

...see pages 4 & 5 for all of the details.





## Chapter Officers

### President

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### Webmaster

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kwind@rochester.rr.com

## President's Message by Casey Bernhard:

Warm weather is fast approaching and the ASHRAE picnic and golf outing is around the corner. Our officers and board of governors decided to try things a little differently this year with the picnic planning. In light of the venue change for this year's picnic I thought it would be fun to reflect on the history of the ASHRAE spring picnic.

I was able to interview longtime member and past president, Ed Maybeck. Ed started going to ASHRAE meetings in the fifties and although Ed didn't know when the chapter started having a spring picnic, he thought it had always been held at Sweets Farm Party House in Webster. During the fifties Ed estimated that the picnic was attended by over a hundred people. The picnic consisted of social time at the bar followed by dinner. Ed's memory of the bar was that it looked like it was a half mile long. It sounds like the amount of time spent at the bar might have been slightly longer than the time spent at dinner as dinner always started later than scheduled. Some people may have played golf before coming to the picnic but it sounds like this wasn't necessarily a scheduled ASHRAE event. The picnic was mainly attended by engineers, salesmen and contractors. Contractors used the picnic as a reward for the workmen to quit work early that day and enjoy. Engineers and contractor management would come dressed in suits and the workmen would come in their workclothes straight from the jobsite. There was no division between the workmen and guys in suits at the picnic, they all mingled and drank together. Buffalo and Syracuse ASHRAE chapters also had spring picnics. Scheduling of picnic dates was coordinated between chapters so they didn't occur on the same date so people could attend all picnics. Ed mentioned that the Rochester picnic always seemed to be a little better than the others. It sounds like the general flavor of the picnic back in those days was an event a little heavy on drinking, with some poker games that went into the wee hours of the night.



Over the years the number of picnic attendees increased steadily and eventually changed venues to the Burgandy Basin Party House in the early eighties. Attendance peaked in the early nineties at 1200 people. They actually had to set a limit on ticket sales because they were getting too many people to accommodate. At this point the picnic had grown to having softball games, volleyball, dunking tanks and yes there was even the popular "whiskey dunk". The whiskey dunk was like bobbing for apples only it was liquor instead of apples. Another memory, shared by Joe Pennise, was Jim Monaco selling ASHRAE research raffle tickets and saying "Hey Pal" to all he met at the picnic. Jim was also noted as saying that, "every year the weather has been perfect" for the ASHRAE picnic. It sounds like this wasn't always true but Jim's memories of the picnic were always fond ones. Another memory is Bill Thoemann's sheet metal toolbox specially stocked with a bottle of booze. As we move into more recent picnic years, that I can remember, attendance has been steadily dropping off since the heyday of the early nineties. The golf outing was formally added before the picnic in 2004 and in the last few years we have had a comedian come for entertainment after dinner. At last years picnic we had approximately 250 people attend. This year as you can see in the advertisement we are going to try something a little different and look forward to hearing your feedback. Let us know what you think so we can provide you the best service possible.

Please also keep in mind the following openings for committee chairmen in our local ASHRAE chapter. Research promotion, membership, and website chairman positions will be open to anyone who is interested. If you would rather volunteer in a supporting role as opposed to filling a chairman role your participation would also be welcome. Please contact myself or Joe Van Cura [JVC@rpfedder.com](mailto:JVC@rpfedder.com) if you would like to get involved.

*Casey Bernhard, PE 2007-2008 President*

## Membership:

Hello! Well, I can't believe I've been doing this (Membership Chair) for 5 years – time flies. This has been a great experience for me – met many talented people, learned much at chapter meetings on various subjects, had an opportunity to work with some wonderful people in the BOG and various committees and had a good time along the way. I'll be taking on the role of Treasurer next year which I am sure will be another great learning experience. That's what life's all about after all – more knowledge!

For any questions on membership, please feel free to contact me at: [msommerman@bergmannpc.com](mailto:msommerman@bergmannpc.com), or 585-232-5135 ext. 390.

You can also manage various aspects of your membership online, including paying dues and updating your bio (phone number, email, etc.).

Follow this link <http://www.ashrae.org/members/page/149>

*Michelle Sommerman, 2007-2008 Membership Chair*

## New! ASHRAE: Service Life and Maintenance Cost Database

ASHRAE now has a public database available through the web to provide current information on service life and maintenance costs of typical HVAC equipment.

<http://xp20.ashrae.org/publicdatabase/>

Purpose (from ASHRAE website):

### Introduction

Accurate and usable building owning and operating cost data is vital for our industry. Every day, engineers are asked to advise building owners and managers on strategic decisions involving the life cycle and functionality of their buildings. The current lack of valid data leaves engineers without a solid basis for making these decisions. As an organization widely recognized for its expertise in HVAC, ASHRAE is in the best position to effectively address this need.

As stated by the sponsoring ASHRAE Technical Committee TC 7.8, Owning and Operating Costs: “One of the major weaknesses in our industry has been the inability of decision-makers to distinguish between low price and best value in the selection of HVAC systems. The consensus within our industry is, and has been, that the use of life-cycle evaluations provides the most effective method for determining the best value of HVAC system alternatives. In order to facilitate the use of life-cycle analysis techniques by decision-makers, the necessary data must be available, current, and correctly applied. A review of the current published data found a number of areas where the information is lacking, while other information is outdated and often misapplied.” (2002)

### Objectives

The objectives of this research project were to:

1. Develop an interactive Web-based database focusing on equipment service life and annual maintenance costs for a variety of building types and HVAC systems.
2. Seed the database with at least 150 validated data sets.
3. Incorporate the results into the appropriate sections of Chapter 36 of the HVAC Applications Handbook.
4. Provide all this as a starting point for a new methodology for continuous updating of the data by the ASHRAE community.

The long-term intent of the project, as articulated by TC 7.8, is that an enlarged and diversified database will encourage the ASHRAE community to contribute their own service life and maintenance cost data, further expanding the utility of the tool. Over a period of time, this input will provide sufficient service life and maintenance cost data to allow the comparative analysis of many different HVAC system types in a broad variety of applications.



**Eugene 'Smitty' Smithart, PE**  
Director, Trane Systems & Solutions

**Brian Fiegen**  
Manager, Trane System Engineering

**Tuesday May 13, 2008**

7:00 to 8:00 am Registration  
7:30 am Breakfast  
8:00 to 10:45 am Seminar

Doubletree Hotel  
1111 Jefferson Road  
Rochester, NY

**Earn 2.5 PDH units**



**Who says you can't have it all?**

Reduce first-cost, lower operating expenses and enhance comfort.

Trane makes buildings work better.  
Come learn how.

Please **RSVP** by Fax or Email by **Monday, May 5**  
Fax: 585-256-0067 Email: pahutchins@trane.com

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

Name(s): \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Email: \_\_\_\_\_

If you have questions, please call Patty Hutchins  
at 585-256-2500 or toll free 800-544-9271

This **EarthWise™ Systems** seminar will provide the latest in systems designs that provide not only the "Sustainability Characteristics of High Efficiency/Low Emissions Products, Systems & Services" but also have the ability to reduce both initial cost as well as operating expenses while enhancing comfort, acoustics, and indoor air quality.

### ***Why should you attend this forum?***

- Your customers expect you to design systems that conform to "Documented Sustainability" which is the key definition of U.S. EPA's "Responsible Use" policy.
- Understanding ASHRAE's focus on Sustainability
- Gain knowledge of how these concepts can be used to obtain U.S. Green Building Council's LEED® program points.

### **Featured Speakers:**

#### **Eugene Smithart PE:**

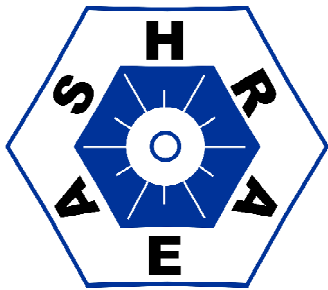
#### **Director, Trane Systems & Solutions:**

With over 30 years of industry experience. "Smitty" is well known in the HVAC industry, having published numerous Industry articles and having key involvement in a number of industry changing initiatives. Smitty is a recipient of the U.S. EPA Climate Protection award - only one of five people in the world at that time to have received this prestigious award.

#### **Brian Fiegen:**

#### **Manager, System Engineering:**

Brian heads up Trane's industry leading team of application and systems engineers as well as the highly respected CDS™ - TRACE™ software group. He brings 25 years of product management and control experience at Trane with a particularly in depth understanding of airside and IAQ issues.



**TUESDAY, MAY 20, 2008**

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

**Reservation Deadline is... May 12, 2008**

(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><b>11:00 AM - 5:00 PM - Golf</b></p>	<p><b><u>Dinner:</u></b>  <b>5:00 PM - 8:00 PM</b>  Catered By:  <b>Dinosaur Barbeque</b>  at Ravenwood Golf Course</p> 	<p><b>Four Man Scramble and Optional Skins Game.</b></p> <p><u>Golf includes:</u></p> <ul style="list-style-type: none"> <li>➤ Golf</li> <li>➤ Cart</li> <li>➤ Driving Range</li> <li>➤ Prizes</li> <li>➤ On course beverages and food at the turn</li> </ul>

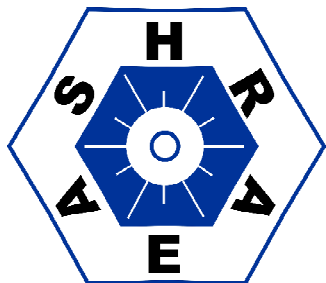
**NO TICKETS WILL BE SOLD OR DISTRIBUTED AT THE DOOR! RES HAS THE TICKETS THIS YEAR.  
TICKETS WILL BE MAILED TO YOU OR CAN BE PICKED UP AT THE  
ROCHESTER ENGINEERING SOCIETY.**

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

Return this form....  
Mail prior to **May 12, 2008** 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) \_\_\_\_\_

<b>Ticket Request Form</b>			
<b>Event</b>	<b>Fee Amount</b>	<b>No. Attending</b>	<b>Total</b>
Golf	\$80.00		\$
Picnic	\$40.00		\$
<b>OR:</b>			
Golf and Picnic <b>(SAVE \$10.00)</b>	\$110.00		\$
<b>Total amount enclosed:</b>			\$



# 2008 ASHRAE PICNIC SPONSORSHIP FORM

		
<p>Ravenwood Golf Course 929 Lynaugh Road Victor, NY 14564</p> <p><b>11:00 AM - 5:00 PM - Golf</b></p>	<p><b><u>Dinner:</u></b> <b>5:00 PM - 8:00 PM</b> Catered By: <b>Dinosaur Barbeque</b> at Ravenwood Golf Course</p> 	<p><i>Four Man Scramble and Optional Skins Game.</i></p> <p><u>Golf includes:</u></p> <ul style="list-style-type: none"> <li>➤ Golf</li> <li>➤ Cart</li> <li>➤ Driving Range</li> <li>➤ Prizes</li> <li>➤ On course beverages and food at the turn</li> </ul>

*Please include check (on notes put what sponsorship you made) and make payable to:*

**ASHRAE Rochester Chapter**

and mail to:

**Attention: Mr. Joseph Pennise**  
R.P. Fedder Corporation  
740 Driving Park Ave.  
Rochester, New York 14613

*Any questions, call Joe at (585) 288-1600 ext. 109*

*Email: joep@rpfedder.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

<i>Sponsorship Name</i>	<i>X here for your Sponsorship</i>	<i>Sponsorship Amt.</i>
Gold - \$250.00 - Hole Sponsorship and Recognition at Picnic	<input type="checkbox"/>	\$250.00
Silver - \$150.00 - Hole Sponsorship	<input type="checkbox"/>	\$150.00
Bronze - \$100.00 - Recognition at Picnic	<input type="checkbox"/>	\$100.00
Prize Sponsor - \$175.00 - Longest Drive	<input type="checkbox"/>	\$175.00
Prize Sponsor - \$175.00 - Closest to Pin	<input type="checkbox"/>	\$175.00
<b>Total Check Amount:</b>		

Welcome to ASHRAE's Government Affairs Update. Along with the 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](mailto:washdc@ashrae.org).

## ASHRAE Government Affairs Update, 04/25/08

- [DOE Solicits Input to Develop Loan Guarantees](#)
- [EPA: U.S. Greenhouse Gas Emissions Dropped 1.1% in 2006](#)
- [A New Green Building Strategy for EPA](#)
- [President Bush Sets Goals for Greenhouse Gas Emissions](#)
- [Maine is First State to Regulate Power Plant CO2 Emissions](#)



### DOE Solicits Input to Develop Loan Guarantees

The U.S. Department of Energy has issued a Request for Information (RFI) to help develop a loan guarantee program for energy efficiency, renewable energy and transmission technologies. This RFI is issued to encourage specific input from a broad-based cross-section of stakeholders, such as energy project developers, equipment vendors, engineers, investors, bankers, inventors and the like. This RFI is targeted to stakeholders directly involved in the promotion and development of energy efficiency, renewable energy and transmission technologies that employ new or significantly improved energy efficiency, renewable energy and transmission technologies addressing the production, consumption or transportation of energy that also achieve substantial environmental benefits. Through this RFI, the Department of Energy (DOE) is requesting input from these stakeholders in order to formulate and draft a solicitation for applications under a \$10,000,000,000 loan guarantee authority that meets the goals established by Congress under Title XVII of the Energy Policy Act of 2005.

The deadline for input is May 2. A copy of the RFI is available at [http://www1.eere.energy.gov/financing/solicitations\\_detail.html?sol\\_id=157](http://www1.eere.energy.gov/financing/solicitations_detail.html?sol_id=157).

### EPA: U.S. Greenhouse Gas Emissions Dropped 1.1% in 2006

Mild weather, a drop in fuel consumption, and an increased use of renewable energy and natural gas all contributed to a decrease of U.S. greenhouse gas (GHG) emissions by 1.1% in 2006, according to the U.S. Environmental Protection Agency (EPA). The EPA's annual inventory of GHG emissions and sinks forms the official U.S. report to the Secretariat of the United Nations Framework Convention on Climate Change. It also represents a refinement of the inventory produced by DOE's Energy Information Administration (EIA) back in November 2007, which found a 1.5% decrease in GHG emissions. Since 1990, U.S. GHG emissions have increased by only 14.7%, while the U.S. gross domestic product has increased by 59%. Carbon dioxide emissions dominate U.S. GHG emissions, providing 84.8% of the total emissions, and most of the carbon dioxide emissions are caused by burning fossil fuels. See the report (<http://www.epa.gov/climatechange/emissions/usinventoryreport.html>) on the EPA Climate Change Webpage.



## **A New Green Building Strategy for EPA**

EPA Administrator Stephen L. Johnson announced a new agency approach to encourage the mainstream adoption of green building practices. This strategy offers a multi-faceted approach to reducing the environmental and public health impacts of buildings and building-related products through their complete life span.

EPA's green building strategy builds upon and calls for better coordination among existing programs, such as ENERGY STAR and WaterSense, which are designed to reduce the impacts of buildings and development. It involves working with the building industry to improve the quality and supply of green buildings and related products while also increasing demand through improved understanding of green building characteristics.

The strategy revolves around five objectives:

- to inform building decisions with better standards and metrics, to advance knowledge and overcome barriers through research
- to lead by example with the agency's own facilities
- to expand understanding of green building
- to increase adoption of green building practices in areas where progress has been more limited, including homes and existing commercial and public buildings.

For more information about EPA's green building program, go to: [www.epa.gov/greenbuilding](http://www.epa.gov/greenbuilding).

## **President Bush Sets Goals for Greenhouse Gas Emissions**

President Bush announced a new goal to stop the growth in U.S. greenhouse gas emissions by 2025. To reach that goal, the President also called for electric utilities to slow the growth in their greenhouse gas emissions so that they peak within 10 to 15 years and decline thereafter. As noted by the President, all responsible approaches to achieving such greenhouse gas reductions depend on accelerating the development and deployment of new technologies. Specifically, President Bush called for new policies that spur investment in the new technologies needed to reduce greenhouse gas emissions, such as renewable energy and energy efficiency technologies. The President also called for long-term incentives to make lower-emission power sources more competitive with higher-emission power sources.

The President's new goal is the first absolute goal for stopping greenhouse gas emissions on the federal level. Back in 2002, President Bush set a goal of reducing the nation's greenhouse gas intensity by 18% by 2012, and the United States is on track to meet that goal. However, greenhouse gas intensity is defined as the amount of greenhouse gases emitted per unit of gross domestic product, so in a growing economy, greenhouse gas emissions can increase even though greenhouse gas intensity is decreasing. In contrast, the new goal sets a specific date for a peak in U.S. greenhouse gas emissions. See the President's speech (<http://www.whitehouse.gov/news/releases/2008/04/20080416-6.html>) and a White House fact sheet (<http://www.whitehouse.gov/news/releases/2008/04/20080416-7.html>) on the new goal.

## **Maine is First State to Regulate Power Plant CO2 Emissions**

On April 15, Maine Gov. John Baldacci signed a bill requiring the state Board of Environmental Protection to develop greenhouse gas emission standards for coal gasification--making Maine the first state in the nation to regulate carbon dioxide emissions from power plants.

"Maine has been in the forefront in protecting our natural resources, our environment and our public health," Governor Baldacci said. "This bill continues Maine's leadership."

The bill also imposes a moratorium on building any new coal gasification facilities until the standards are developed. This new carbon emissions limit comes on the heels of the state rejecting the Twin River coal-fired power plant. That plant had come to Maine promising a clean coal solution to global warming--but it turned out that their proposal would have been the largest climate polluter in the state, emitting more than twice the carbon dioxide emissions of any other plant.

## CRC Activities

- Golf Outing – Shennecossett Golf Course  
Thursday, 9:00 a.m.
- Welcome Reception & Dinner - Mystic Aquarium  
Thursday, 7:00 p.m.
- President's Luncheon  
Friday, 12:15 p.m.
- Technical Sessions  
Friday, 1:45 p.m. & 3:30 p.m.
- Banquet  
Friday, 6:00 p.m.
- Awards Luncheon  
Saturday, 12:00 noon

## Area Attractions

- Mystic Seaport  
*(discounted admission)*
- Mystic Aquarium  
*(discounted admission)*
- Institute for Exploration
- Olde Mistick Village
- Foxwoods & Mohegan Sun casinos
- USS Nautilus & submarine museum
- Deep sea fishing
- Ocean Beach Park
- River cruise
- Sea kayaking
- Hiking
- Biking

For more information  
about area attractions, visit:  
[www.ctashrae.org/crc08](http://www.ctashrae.org/crc08)

## Hotel Accommodations

Hilton Mystic  
20 Coogan Blvd.  
Mystic, CT 06355  
860-572-0731

Make hotel reservations separately.  
ASHRAE room rate is \$159.00 per night,  
single or double occupancy.

### *Area airports:*

Bradley International, Hartford  
T.F. Green, Providence

### **Directions:**

**Interstate 95, take Exit 90.**  
At end of exit, go south on Rt. 27  
(Greenmanville Ave.)  
Follow signs to Mystic Aquarium.  
The Mystic Hilton hotel is right across the  
street from Mystic Aquarium.

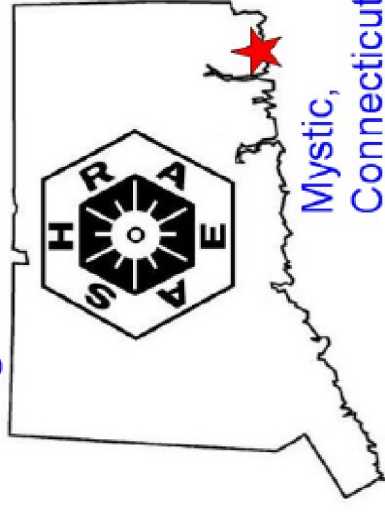
### *Event sponsors:*



The Connecticut Chapter of ASHRAE  
invites you to join us in historic  
Mystic Country  
on the Connecticut shoreline



Region 1 C.R.C. 2008



Mystic,  
Connecticut

# ASHRAE Region 1

## Chapters Regional Conference

August 14th – 16th, 2008

# CRC 2008 Agenda

## Thursday, August 14th

Registration – Hotel 8 am – 7 pm  
 Golf Outing – Shenny GC 9:00 am  
 Hospitality Suite 4 pm – 6:30 pm  
 1st Business Meeting 4:30 pm – 6:30  
 Orientation 4:30 pm  
 Welcome Reception & Dinner, Mystic Aquarium 7 pm – 10 pm

## Friday, August 15th

Registration – Hotel 7 am – 7 pm  
 Breakfast 6:30 am – 10am  
 Caucus 7:00 am  
 2nd Business Meeting 8:30 am - Noon  
 President's Luncheon 12:15 pm  
 1st Technical Sessions 1:45 pm  
 2nd Technical Sessions 3:45 pm  
 Hospitality Suite 1:45 pm – 5:30  
 Banquet & Music 6:00 pm – 10pm  
 Hospitality Suite 10:00 pm – 1am

## Saturday, August 16th

Registration – Hotel 7 am – 10 am  
 Breakfast 6:30 am – 10am  
 Executive Session 7 am – 8:15 am  
 Breakout Workshops 8:30 am – 11:45  
 Hospitality Suite 9 am – Noon  
 Awards Luncheon Noon – 2 pm  
 3rd Business Meeting (if necessary) 2 pm – 4 pm

For further information visit

[www.ctashrae.org](http://www.ctashrae.org)

or contact

Committee Chair Phil Knowlton  
 at 860-342-3970

[pbknowlton@comcast.net](mailto:pbknowlton@comcast.net)

## Welcome Reception & Dinner

Thursday Night 7 pm  
 at the fabulous

### Mystic Aquarium

Don't miss it!!



The world famous  
**Mystic Aquarium**  
 will be reserved exclusively  
 for ASHRAE CRC attendees.



\*\* Drinks      \*\*Hors d'oeuvres  
 \*\*Dinner      \*\*Fun  
 \*\*Tap-dancing dolphins  
 (OK maybe not)

It's going to be great!!  
 Make sure you plan to arrive  
 by Thursday evening!

## Registration Form

(complete only one form for each member/family attending)

**DEADLINE: July 15th – to avoid late Price**

Sign up for... Price Late price

- Full Package w/ Golf\* \$365.00 \$465.00
- Full Pkg. No Golf\* 295.00 375.00
- Full Companion Pkg.\* 140.00 165.00
- Children under 12\* 80.00 100.00
- One Day – Member (Fri. Banquet and Saturday meals) 195.00 275.00
- Awards Luncheon 45.00 65.00

\* meals included: Thurs. dinner thru Sat. lunch  
 Please include a note on Special Dietary Needs

Total \$ \_\_\_\_\_

Name \_\_\_\_\_

Companion name \_\_\_\_\_

Address \_\_\_\_\_

City State Zip \_\_\_\_\_

Phone \_\_\_\_\_

Email \_\_\_\_\_

ASHRAE Chapter \_\_\_\_\_

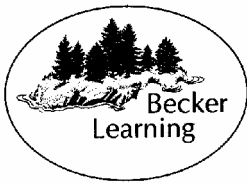
Chapter officer? \_\_\_\_\_ Committee chair? \_\_\_\_\_

Make checks payable to:

**Region 1 ASHRAE CRC 2008**

Mail to:

Fred Wajcs  
 18 Charlie Circle  
 South Windsor, CT 06074



Your technical training provider presents

# Air Conditioning Fundamentals 2008

**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.

## Comments from past attendees:

**“Practical, helpful, essential information** provided in a friendly and enthusiastic manner.”  
Bill Bishop, Mechanical Designer - Rochester, NY

“Joe really knows the details and step by step ways to teach a hard topic to understand.

**The best training I have had.** Joe is a great teacher.”  
Thomas Price - Estimator/Project Manager - Philadelphia, PA

“Joe has an effective teaching style that delivers a lot of technical information in an amount of time in a way that **everyone in the classroom can easily comprehend and understand to use in their field.**”

Andrew Davin - Mechanical Designer - Rochester, NY

“This was awesome! **Engineering made simple.** Joe Becker is one of the best!”  
Jamie Chudyke - HVAC Mechanic - Rochester, NY

## **2008 Course Offerings (Rochester, NY):** (all classes are 3-days; Tuesday – Thursday)

1. [ ] Sep 9-11 ‘**Product Fundamentals**’ (Coil, AHU, FanCoils, UVs, WSHP, RTU, Chillers, Compressor Technologies)
2. [ ] Oct 7-9 ‘**Airside Fundamentals- I**’ (Load Design and Psychrometrics)
3. [ ] Nov 18-20 ‘**Airside Fundamentals- II**’ (Duct Design, Fans & Fan Laws, Acoustics and IAQ)

**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.

## **More Details for 3- day courses:**

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

**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 after 6:00 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**

2008 Courses: (check all that apply) 1.  Product 2.  Airside-I 3.  Airside-II

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.



## Advanced Energy Design Guides Free Download

The *Advanced Energy Design Guide* series provides a sensible approach to easily achieve advanced levels of energy savings without having to resort to detailed calculations or analysis. The four-color guides offer contractors and designers the tools, including recommendations for practical products and off-the-shelf technology, needed for achieving a 30% energy savings compared to buildings that meet the minimum requirements of ANSI/ASHRAE/IESNA Standard 90.1-1999. The energy savings target of 30% is the first step in the process toward achieving a net-zero energy building, which is defined as a building that, on an annual basis, draws from outside resources equal or less energy than it provides using on-site renewable energy sources. These guides have been developed through the collaboration of ASHRAE, the American Institute of Architects (AIA), the Illuminating Engineering Society of North America (IESNA), and the U.S. Green Building Council (USGBC), with support from the Department of Energy (DOE), to help meet all of an owner's energy performance requirements. In an effort to promote building energy efficiency, ASHRAE and its partners have made these guides available for download (PDF) at no charge.

## 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 Wal-

ter (585.486.2148) or by email [cmwalter@trane.com](mailto:cmwalter@trane.com)

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



# LABELLA

Associates, P.C.

LaBella Associates, P.C. is a fast growing engineering, architecture, planning and environmental consulting firm with three office locations in New York State. We are a multi-disciplined firm dedicated to client satisfaction through teamwork, respect, and trust.

**We are currently looking to fill the following positions in our Rochester, NY office:**

**Mechanical Engineer: Junior Level (EIT):** Bachelor's degree in Mechanical Engineering with a focus in HVAC. Will work with Senior Engineers to develop project designs, drawings and specifications. Will grow into working more independently on projects with in house training and mentoring programs. AutoCad experience required. Prior experience working at an A/E consulting firm desired.

**Mechanical Engineer: Mid-Level (PE):** Bachelor's degree in Mechanical Engineering with a focus in HVAC and Energy Projects. Will work independently and with other Engineers as part of a Project Team to develop concepts, strategies, designs, drawings, specifications and reports. Will be part of the project brainstorming, peer review, and QA/QC processes. AutoCad experience required. Minimum of five years of experience working at an A/E consulting firm preferred.

If you are interested in any of these positions, please e-mail cover letter and resume to [hr@labellapc.com](mailto:hr@labellapc.com). For additional information about our firm, please visit our website at [www.labellapc.com](http://www.labellapc.com)



Please apply on-line at:  
[https://sjobs.brassring.com/1033/asp/tg/cim\\_jobdetail.asp?partnerid=194&siteid=80&AReq=4732BR](https://sjobs.brassring.com/1033/asp/tg/cim_jobdetail.asp?partnerid=194&siteid=80&AReq=4732BR)

**AutoReqId** 4732BR

**Common Job Title** HVAC/Plant Operations Technician

**Primary Work Location** NY, Webster

**Employee Classification:** Regular Full-Time

**Job Description**

- At **Xerox**, where business runs on fresh ideas, staying on the crest of digital technology demands originality, creativity, and ingenuity. That's why Xerox recruits exceptional people, whose professional talents are fueled by imagination. We've created a workplace where inventiveness flourishes, where employees are encouraged to express their vision, their ideas, and their leadership. Our products and technology represent the leading edge of the industry. They integrate technology, the web, business process, and the way people work in order to deliver to our customers the best document solutions. **Position Summary:** This position in the Xerox Site & Facilities Services group is for a technician in the HVAC/R field. The person will work with an Engineer to perform all varieties of work within the HVAC/R trade, such as preventive maintenance, corrective maintenance and minor project work. The equipment serviced ranges from commercial to industrial in size and complexity and includes hot water and steam boilers, condensate returns, chillers and cooling towers, compressors (air and refrigeration), air handlers, Direct Digital Control, reverse osmosis and deionizers, water treatment, etc.

**Responsibilities:**

The successful candidate would be expected to work with the Engineer to perform all duties as required to maintain the equipment.  
 Some heavy lifting and working in sometimes awkward positions may be required.

- Some field experience field helpful, but not required.
  - Work Schedule: Straight days but candidates must be flexible to work rotating shifts in the future.
- Assisting Maintenance and Senior Maintenance Engineers with work assignments and supporting Watch Engineers as required.

**Requirements:**

- The position requires, at minimum, an two year (AS or AAS) or certificate in HVAC/R from an accredited institution.
- Computer literacy: Microsoft XP and Office products.

The successful candidate will be expected to become a member of the International Union of Operating Engineers IUOE Local 832s and, over time, to obtain a Universal Refrigerant license and a City of Rochester Steam-3 license.

**Drawing on diversity of a global workforce and offering an equal opportunity to achieve success. EOE M/F/D/V.**

## 2007-2008 Presidential Award of Excellence Summary

Chapter #	Chapter Name	Chapter Members / Students	Member Promotion	Student Activities	Research Promotion	Chapter Technology Transfer	History	Chapter Operations	Chapter PAOE Totals
11	Rochester	218 /13	50	100	810	360	225	200	1745

## IAQ Discussion Board is Live

The spring 2008 membership ballot will include a series of five questions from the ASHRAE Board of Directors regarding Indoor Air Quality (IAQ) standards. An online discussion board is now available and you are encouraged to submit comments now!

The five IAQ ballot questions were first distributed to members at the plenary session of the ASHRAE January 2008 winter meeting in New York City. Here's some background. Following submission of a petition by a sufficient number of members, the ASHRAE membership voted to approve a policy statement related to ASHRAE indoor air quality or ventilation standards. Since approval of that petition in June 1999, it has become apparent that the policy may not have resolved the underlying concerns that led to its approval, and in fact has resulted in conflict and confusion regarding its interpretation. As a consequence, the Board of Directors has determined that we need to ask the members of ASHRAE to clarify their intent with respect to a number of issues related to the petition and the development of ASHRAE standards.

These new questions being posed to the membership have been very carefully worded to avoid any conflict with well-established ANSI requirements that the consensus body developing a standard (referred to as the Project Committee within ASHRAE) is responsible for determining the content of that standard. It would in fact violate ANSI requirements for the Board of Directors, or the membership through a vote such as this, to dictate the contents of a standard to the Project Committee. Of course, the Board, the membership and the public at large have ample opportunity to impact the content of a standard through the public review process, but ultimately it is the Project Committee that must determine the content.

I encourage you to voice your opinion! A prominent link now appears on the ASHRAE web site home page (<http://www.ashrae.org/>) to the discussion board. You need to log-in to the ASHRAE web site to participate in the discussion board.

Make your feelings known! Post your comments and encourage your ASHRAE member colleagues to do the same.

### 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.





## Building Performance Highlighted in ASHRAE's 2008 Annual Meeting

**ATLANTA** – The mountains of Salt Lake City provide the perfect backdrop for scaling the peak of performance at ASHRAE's 2008 Annual Meeting.

"Are you looking to advance your career?" ASHRAE President Kent Peterson said. "Or maybe you're seeking to improve performance of the buildings you design, construct and operate. Either way, ASHRAE's meeting and its focus on building performance is the place for you. Advance your knowledge by taking advantage of ASHRAE's education and technical program. Improve the performance of your buildings by learning how to apply the latest technologies that your fellow members share at the meeting. We hope to see you there."

The meeting takes place June 21-25, Salt Lake City, Utah. To register or for more information, visit [www.ashrae.org/saltlake](http://www.ashrae.org/saltlake). Most events take place at the Salt Palace Convention Center.

A highlight of the meeting includes Ira Magaziner, chairman of the Clinton Climate Initiative, as technical plenary speaker. The program takes place at 2 p.m. Sunday, June 22, at the Salt Palace Convention Center. Registration is required to attend.

As chair of the Clinton Climate Initiative

(CCI), formed in August 2006, Magaziner oversees the mission of applying the Clinton Foundation's business-oriented approach to the fight against climate change in practical, measurable and significant ways. ASHRAE is a partner in the initiative.

The ASHRAE technical program, with more than 100 sessions, will focus on benchmarking, establishing a basis for measuring future performance. The program takes place Sunday-Wednesday at the Salt Palace Convention Center.

The ASHRAE Learning Institute will offer two professional development seminars and four short courses, focusing on a range of HVAC&R related topics. The seminars provide guidance on complying with Standards 62.1 and 90.1, while short courses cover topics related to sustainability and energy reduction in buildings.

ASHRAE also will launch its new certification program – high performance building design professional. Candidates who earn the certification will have demonstrated a well-rounded understanding and knowledge of how HVAC&R design is integrated into high-performing buildings to achieve the overall goal of producing a sustainable design. For more information, visit [www.ashrae.org/certification](http://www.ashrae.org/certification).

In addition, ASHRAE president-elect Bill Harrison, president of Trane Arkansas, Little Rock, Ark., will take office as 2008-09 president. Harrison will present his inaugural address at the president's luncheon on Monday, June 23, Maintain to Sustain – Delivering ASHRAE's Sustainability Promise. He will focus on operating buildings to deliver the energy efficiency inherent in their design, including effective commissioning, improved documentation, and programs to educate and certify building operators.

In efforts to leave a "sustainable footprint" in the cities where meetings take place, ASHRAE is launching a new program in Salt Lake to provide technical and financial support for a sustainable project in the cities. Beginning with the Salt Lake meeting, ASHRAE is seeking donations from meeting attendees to go toward supporting a local green project or green enhancement to an existing project. The chosen project for Salt Lake is installation of a solar domestic water heating system at the YWCA of Salt Lake City's Teen Home. The system would help reduce the annual operating costs of the facility and reduce the environmental impact of the current heating system. Donations can be made via the registration form at [www.ashrae.org/saltlake](http://www.ashrae.org/saltlake).

### Disclaimer

"ASHRAE has compiled this publication with care, but ASHRAE has not investigated, and ASHRAE expressly disclaims any duty to investigate any product, service, procedure, design or the like which may be described herein.

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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, Suite 300, Rochester, NY 14623 or email to [cmwalter@trane.com](mailto:cmwalter@trane.com)

### **Reminder**

**Go to [www.ashrae.org](http://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.**

