



# The PENNANT

Newsletter of the  
ASHRAE® Central Pennsylvania Chapter

<http://www.cenpenn.ashraechapters.org/>

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## President's Message...



Members,

First, I would like to give thanks and appreciation to Dr. Andy Persily, Tom Long and the Chapter Education Committee for a successful PDS last month. The Professional Development Seminar on Standard 62.1 was extremely well done. I hope you didn't miss out on this educational opportunity and the Continuing Educational Units. BUT, if you missed it here for \$40.00, you can attend it in at the AHR Expo in New York City for \$360.00!

The next PDS will be on March 19<sup>th</sup> and the topic will be Energy Code Requirements – ASHRAE/IESNA Standard 90.1-2004. The all day event will feature five presenters:

**Lawrence G. Spielvogel, PE**, an ASHRAE Fellow and Distinguished Lecturer  
**Lou Rugulo, P.E., CEM**, Adjunct Professor at Stevens Institute of Technology  
**Larry Kouma**, a Senior Product Manager at Johnson Controls, Inc.

**Carl M. Watson, PE, LC** award winning lighting designer, author, and electrical engineer

**Cyrus Nasser**, leader of the Design, Operation, Maintenance, and Procurement Program in the Federal Energy Management Program at the U.S. Department of Energy. The seminar is being held jointly with the PA Department of Environmental Protection and the Governor's Green Government Council. Space will be limited and we expect a lot of interest, so put it in your calendar and keep an eye out for the official announcement

Take a look at this month's program - *Land Fill Gas Reclaim, an Overview of the Frey Farms/Turkey Hill Dairy Operation*. **Mr. Kevin Girten** of Daikin will be presenting on the Lancaster County project and its success. This will be interesting and green. Come on out and join us at the Wyndham Gardens Hotel.

And lastly, since I have been writing these letters the last few months, I've wondered if they are really read!! So here's my test. If you are reading this and are going to the AHR Expo in January, you are a winner! Send me an email and I will mail to you a FREE VIP pass for the Exhibits Show.

Take care and Merry Christmas,

Bob Miller

## Inside this Issue

December Meeting Information  
2007/2008 Schedule  
Bulletin Board

Region III Winter Meeting Dinner  
Employment Opportunities

**Wednesday December 12<sup>th</sup>, 2007**  
**Wyndham Garden Hotel, Harrisburg/Hershey PA**  
**765 Eisenhower Boulevard, Harrisburg, PA 17111**

5:15 – 6:00 Tech Session: VRV/VRF Technology  
6:15 – 7:00 Dinner  
7:00 – 8:00 Program: Landfill Gas Reclaim

**Tech Session**

Kevin Girten of Daikin will introduce the relatively new technology, variable refrigerant volume/variable refrigerant flow.

**Program**

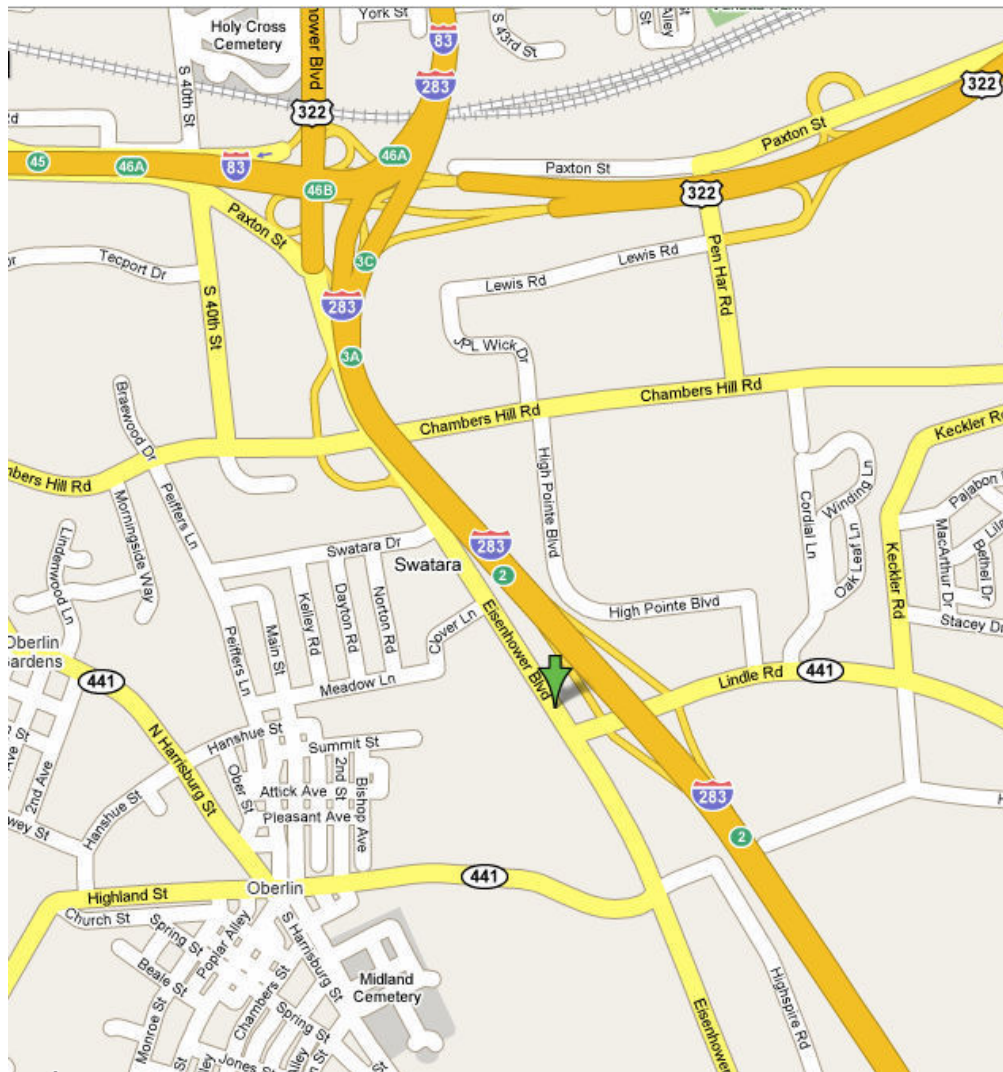
Cleveland Brothers will be presenting an overview of landfill gas reclaim and show how it was applied at an installation in Lancaster County.

**Reservations:** [mat@ba-inc.com](mailto:mat@ba-inc.com) or (717) 845-7654 ask for Mark Tome

**Deadline: Wednesday, December 5<sup>th</sup> at 1:00 p.m. PLEASE!**

Cost: \$ 30.00 Retired: \$ 5.00 Students: Free

**Note to all Chapter Officers and Committee Chairs:** Chapter Officers, Board Members and Committee Chairs have standing reservations. If you do not RSVP by the deadline, you will be billed for the fun time you missed.



## ASHRAE Central PA – Current Schedule of Events

DATE & Location	Event	Description
September 12 – ABC Harrisburg Tech Session Program	<b>Past Presidents</b> TBD ASHRAE President Kent Peterson	Greater Efficiency Today Blue Skies Tomorrow
October 10 – ABC Harrisburg Tech Session Program	<b>Membership Promotion</b> Sheet Metal Shop Tour New SMCNA Duct Construction Manual	Bring a new member and you both get in Free!  Eli Howard from SMCNA
November 7 – ABC Harrisburg Tech Session Program	<b>Research Promotion</b> TBD Andy Persily, ASHRAE VP Topic TBD	
December 12 – Wyndham Garden Tech Session Program	<b>History Night</b> Variable Refrigerant Volume  Land Fill Gas Reclaim	Multiple Fan Coils with Single DX Compressor Overview of the Frey Farms/Turkey Hill Dairy Operation
January 9 – Harrisburg Trane Tech Session Program	BACNet/LonWorks Topic TBD	
February 13 – York Tech Session Program	<b>YEA Night</b> Tour – Under Floor A.D. Lab Domestic Water Heat Pumps	Use condenser heat from a chiller to heat domestic water
March 12 – Lancaster Tech Session Program	Air Products Tour HVAC Estimating	Presentation and Round Table Discussion
April 9 – ABC Harrisburg Tech Session Program	<b>Student Activities Night</b> Social with Students Thesis Presentations by AE Students	
May	<b>Family Night</b> York Revolution Baseball Game	
July	<b>Golf Outing to benefit ASHRAE Research</b>	

Check the chapter website for updates to the schedule.

<http://cenpenn.ashraechapters.org/>

# Bulletin Board

**We would like to recognize the following companies and individuals for their contributions towards ASHRAE Research Promotion in 2006-07. They are not listed in any specific order.**

Dr. William P. Bahnfleth, PhD, PE  
Effective Controls Incorporated  
McClure Company  
Silvertip Incorporated  
Mr. Brian E. Kottcamp  
Mr. Thomas M. Long, PE  
Mr. John A. Azemar  
Mr. Carl C. Courtney  
Mr. Gary E. Booth  
Mr. Donald J. Eisenhauer  
Mr. Daniel P. Kerr  
Mr. Thomas E. McKay, Jr.  
Mr. Ronald L. Hoover  
Mr. Jason T. Richwine  
H&H Sales Associates Incorporated  
GEA FlatPlate Inc.  
Mr. David P. Rosenbaum  
Mr. Glenn D. Diesposti  
Mr. Matthew J. Frey  
Mr. Eric Zanolini  
Mr. Vasant H. Jethwa  
Mr. Mark A. Tome  
Dr. Fred Nicholas  
Mr. Robert E. Miller  
Mr. Kenneth L. Hutchison  
Mr. Daniel E. Wyrick  
Mr. Kirby W. Slear  
RGH-HVAC Inc.  
H.C. Nye Company Incorporated  
Mr. Gary C. Debes  
Mr. George A. Keller  
Air Management Technologies Inc.  
Dr. Kenneth W. Cooper

**Please welcome the following new members.**

## **New Members in July 2007**

Ryan W. Rupp – Associate  
[rupp@centerpointeng.net](mailto:rupp@centerpointeng.net)

Jason A. Borowski – Associate  
[jborowski@spaengineers.com](mailto:jborowski@spaengineers.com)

Christian P. Kita – Member  
[ckita@state.pa.us](mailto:ckita@state.pa.us)

## **New Members in August 2007**

Don Church – Associate  
[d.church@danfoss.com](mailto:d.church@danfoss.com)

Russell G. Gary – Associate  
[Prostreet66@comcast.net](mailto:Prostreet66@comcast.net)

Thomas Lawson Bransom – Associate  
[tbransom@comcast.net](mailto:tbransom@comcast.net)

Jason Charles Robinson – Member  
[jrobinson@horizon-engineering.com](mailto:jrobinson@horizon-engineering.com)

## **New Members in September 2007**

Vincent C. Youndt – Associate  
[vince@vertex-mechanical.com](mailto:vince@vertex-mechanical.com)

Jeremy Michael Roush – Associate  
[jeremyroush@enginuity-llc.com](mailto:jeremyroush@enginuity-llc.com)

Christian P. Paraskevakos – Associate  
[Christian.p.paraskevakos@jci.com](mailto:Christian.p.paraskevakos@jci.com)

Damian T Rose – Member  
[Dtr3@psu.edu](mailto:Dtr3@psu.edu)

Bob Moritz – Member  
[Robert.moritz@honeywell.com](mailto:Robert.moritz@honeywell.com)

*Awards, Promotions, New Employees, New Members,  
Weddings/Births/Deaths/Anniversaries, etc.*

Put it in the Pennant – Send your announcements to  
Mark Graybill – [mgraybill@accu-aire.com](mailto:mgraybill@accu-aire.com)



# ASHRAE

*Technology for a Better Environment*

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## **Gary C. Debes**

*Region III Electronic Communications Chair*

Reply to: 998 Caln Meetinghouse Road

Coatesville, PA 19320-2109

☎ 610-384-3076

Fax 610-903-4296

Cell 484-886-7400

E-mail [gary.debes@mail.ashrae.org](mailto:gary.debes@mail.ashrae.org)

November 21, 2007

Dear Region III Members:

I have the pleasure of inviting you to attend the Region I, III & V Winter Meeting Dinner. It will be held on **Sunday, January 20, 2008** at Bond 45 In Times Square, 154 West 45 Street (between Sixth and Seventh Avenues), New York, New York 10036.

Tel. (212) 869-4545.

You are cordially invited to join other members from Regions I, III and V for an evening of delicious food, drinks and fellowship.

Bond 45 is a short walk on 6<sup>th</sup> Avenue to 45<sup>th</sup> street (the Hilton is at 6<sup>th</sup> Avenue & 53<sup>rd</sup> Street). Make a right onto 45<sup>th</sup> Street and go to the end of the block. The restaurant is on your left. We will meet at the restaurant bar for cash bar.

Dress is business casual

The schedule for the evening has been arranged as follows:

6:00 PM Meet at the New York Hilton lobby to take a leisurely walk to the restaurant.

6:30 PM Arrive at Bond 45 for cocktails in the bar.

7:00PM Dinner will be served. Our menu:

- Tagliolini alla Checca, fresh baby tomatoes, buffalo mozzarella & basil, **or**
- Salmone Farcito, stuffed with shrimp, scallops & spinach, **or**
- Costoletta di Pollo Parmigiana, lightly breaded with fresh tomato & buffalo mozzarella.

For Starters: Family Style Appetizers; Platters of assorted vegetable antipasto accompanied by bread & extra virgin olive oil; and Pizza Margherita.

Desert: NY Style Cheesecake **or** Tiramisu della Nonna, marscarpone cream, espresso dipped lady fingers.

Coffee and Tea Service.

The price for this great evening is \$55.00 per person. Please complete the reservation form below and return it to me, along with your check made payable to: "**ASHRAE REGION III**", so that I will receive it **no later than Monday, January 14, 2008.**

If you cannot mail it by that date, fax or e-mail your dinner reservation to me but, please, bring your check with you to dinner. It is really important to respond quickly; we must make firm reservations before the ASHRAE meeting begins. **THANKS !!!**

Once again, I look forward to seeing you on January 20<sup>th</sup>!!!!

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Name _____	Pasta _____	Quantity _____
Name _____	Salmon _____	Quantity _____
Name _____	Chicken Parm. _____	Quantity _____
Total Quantity _____ X		\$55.00 = _____

**NOTE: MAIL BACK OR FAX THIS RESERVATION TO GARY DEBES AT:**

Gary Debes  
998 Caln Meetinghouse Road  
Coatesville, PA 19320  
(610) 384-3076  
(610) 903-4296 Fax

**Please use this reservation as your receipt**



**ASHRAE**  
**Regions I, III, and V**

*Sunday, January 20, 2008*  
*7:00pm-9:00pm*

**FAMILY STYLE APPETIZERS**

*Platters of Assorted Vegetable Antipasto*  
*Accompanied by bread & extra virgin olive oil*  
*&*  
*Pizza Margherita*

**Entree Selections**

**Tagliolini alla Checca**, *fresh baby tomatoes, buffalo mozzarella & basil*

**Salmone Farcito**, *stuffed with shrimp, scallops & spinach*

**Costoletta di Pollo Parmigiana**, *lightly breaded with fresh tomato & buffalo mozzarella*

**Dessert Selections**

**NY Style Strawberry Cheesecake**  
*-or-*  
**Tiramisu della Nonna**, *marscarpone cream, espresso dipped lady fingers*

**Coffee and Tea Service**

*\$55.00 per person, Inclusive of 18% Gratuity*  
*Group is tax-exempt*

## Bond 45 In Times Square

Bond 45, a unique Italian restaurant in the Times Square Theater District, that opened January 21, 2005 is located at 154 West 45 Street (between Sixth and Seventh Avenues), the site of the famous Bond clothing store (two pairs of pants with every suit), the new restaurant features the regional Italian cuisine prepared by Chef Brando de Oliviera, formerly the Executive Chef of Fiorello's and Aureole. Paolo Del Gatto, formerly of Fireman's Trattoria Dell'Arte, is Managing Director.

Open from breakfast until past midnight seven days a week. Bond 45 offers diners a unique experience in food and decor. Designed by Shelly Fireman with the help of Broadway scenic designer John Lee Beatty, the restaurant, which will seat approximately 250 guests, is decorated with Italian marble and tiles, and includes some of the building's original mosaic floors and some 1940s artwork that was discovered in the building's basement. There is a Prohibition-era bar from Chicago and an open kitchen at the front. Fireman says, "The feeling of Bond 45 will bring you a sense of a time you may have never experienced but have nostalgia for. We want you to feel wanted and cared for, and make your meal a wonderful experience." Beatty adds, "When I heard that Shelly was creating an elegant, old-style restaurant in the Theater District, I knew it would become a Broadway institution, and I wanted to be a part of it."

Chef de Oliviera cooks food that reflects the sensual hominess that defines Italian cooking. Among the menu's features:

The kitchen boasts an Italian bread oven, named "Pantondo" by Fireman, the only one in the United States, imported from Italy at a cost of \$100,000. The Pantondo allows the kitchen to create a flaky, paper-thin, cheese-stuffed foccacia, a dish from Liguria.

Bond 45 features an open kitchen so that the preparation of the food is part of the theater. The kitchen, visible from the street, will stop traffic, with the most beautiful food on display, located by the mantre d' stand, where appetizers can be offered to waiting guests.

Shelly Fireman, founder and CEO of the Fireman Hospitality Group, said, "We're obsessive about HOSPITALITY - our aim is not simply to please our guests, but to make them so happy that, when they leave, they say to themselves, 'I can't wait to come back.'" His other restaurants include Brooklyn Diner USA, Cafi Fiorello, Redeye Grill, Shelly's New York Steak and Stone Crab Bar, and Trattoria Dell'Arte.



## **WANTED: ENGINEERS SEEKING TO CHANGE HOW BUILDINGS PERFORM**

Nationally recognized green building consulting firm seeks environmentally motivated individuals to join our team. 7group is a small, growing company who helps our clients to design and build more environmentally benign commercial and residential projects.



### **Energy Engineer for Green Buildings**

Engineer sought for projects focusing on energy efficient, sustainable, and green buildings. Prefer a mechanical engineer with 1 to 5 years commercial mechanical design or analysis experience but will weigh sincere interest in sustainable design equal with experience. A broad understanding of building systems including envelope and lighting and how systems integrate is an important component of the work we do. Experience with energy modeling software, particularly DOE2 and Energy10, and other green building analysis tools (CFD, daylighting, LCA, etc.) a major plus.

Duties may include: energy modeling and analysis, energy surveys, establishment of building performance goals, load calculations, measurement & verification projects, post-occupancy evaluations, renewable energy system analysis, preparation and review of LEED documentation materials, review of LEED Certifications, daylighting analysis review, conducting training programs, and overall project management.

Positive attributes include: Open-mindedness; good work ethic; flexibility; strong desire to challenge conventional thinking; ability to manage multiple projects; good writing and communication skills; and a sincere interest in promoting energy efficiency, renewable energy, and environmentally benign solutions. LEED AP and BS in mechanical engineering preferred.

Salary and benefits negotiable and commensurate with experience. Flexible work schedule in a casual work environment. Send resume and cover letter to: Marcus Sheffer, 7group/Energy Opportunities, Inc., 1200 E Camping Area Road, Wellsville, PA 17365, 717-292-2636, [sheffer@sevengroup.com](mailto:sheffer@sevengroup.com)

### **Commissioning Authority**

Commissioning Authority sought for projects focusing on energy efficient, sustainable, and green buildings. We are willing to teach a qualified candidate the process of commissioning. Prefer mechanical engineer with 5+ years experience in design and/or construction, practical knowledge of building control systems a plus.

Position Responsibilities: Review and optimize building control systems, analyze mechanical systems, oversee functional testing, review construction documents, interact with client staff and client principals, develop written reports that convey both technical and non-technical information.

Technical Skills: A thorough understanding of HVAC, electrical, building automation and controls, and the building construction process. Ability to audit existing energy consuming equipment and diagnose problems. Experienced in troubleshooting complex mechanical systems and controls. Ability to analyze field data and energy consumption data. Thorough understanding of construction drawings and specifications. A broad understanding of building systems including envelope, lighting, and systems integration

Business Skills: Self-motivated and able to work in teams. Ability to actively work on and manage several projects at once. Excellent written and oral communication skills

This position requires some travel and occasional out of town overnight stays. Salary is negotiable and commensurate with experience. We offer fully paid health insurance and a retirement plan in a casual work environment. E-mail resume and cover letter to [toevs@sevengroup.com](mailto:toevs@sevengroup.com), or mail to Brian Toevs, 7group/BETA Engineers, PC, 1309 Bridge Street, New Cumberland, PA 17070. 717-774-8963