

Lehigh Valley Insights

JOURNAL OF THE LEHIGH VALLEY CHAPTER OF THE ASHRAE, INC.

VOLUME 44 ISSUE 2

October 2008

2008-2009 LEADERS

MEETING NOTICE

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Wednesday, October 15, 2008

Energy and Natural Resources + Membership Promotion Night

at

**Mangos Coastal Cuisine
3750 Hamilton Blvd., Allentown, PA
(Route 222 North)**

5:00 to 6:00 p.m. **Board of Governors Meeting**
(Chapter members are welcome to attend)

6:00 to 6:30 p.m. **Social Half-Hour** (Cash Bar)

6:30 to 7:30 p.m. **Dinner**

7:30 to 8:30 p.m. **Dinner Program**
Topic: Energy and Natural Resources
Speaker: John Hanger, PennFuture
Program Chair: Paul Kuhn

Reservations: Call Tom Serwatka, Jr. at 215-654-8040 or
E-mail: thomas.serwatka@siemens.com
Students \$15.00
Members & Guests \$30.00

Please make your reservations by Noon on Monday, October 13th with your choice of beef, fish or chicken.

President's Message

Ladies & Gentlemen,

Welcome to another edition to the Lehigh Valley Insights. Packed in this issue is our full year's program schedule, some press releases from Society and other tasty tid-bits of Chapter information.

In case you missed last month's presentation, a big "Thanks" goes out to Mr. Bill Harrison, Society President, for his presentation on ***Maintain to Sustain – Delivering ASHRAE's Sustainability Promise.***

Thanks also to the local IFMA members who joined us for the meeting. I hope everyone was encouraged to refocus on the thousands of existing buildings which need "energy attention". What a great way to kick-off the year!

As for this month's topic...drum roll please! Mr. John Hanger, Acting Secretary of the Pennsylvania Department of Environmental Protection, will present ***Energy and Natural Resources – Why We Are Where We Are and Where We Need to Go...or else.*** Please see the speaker's bio and presentation information later in the newsletter for more on this timely topic from a compelling speaker.

Looking ahead to November, we will again be hosting the student organization **Future Cities**. Similar to last year, the students will present their projects and look for some real world input from our members to sharpen their ideas. We had a great time last year and look forward to another energetic meeting this year. More information will follow in the next issue of ***Insights***.

Remember to check out the website throughout the year to keep informed of what the Lehigh Valley ASHRAE Chapter has planned for you! We'll see you at the meeting this month.

Stuart Heisey
President, LVC ASHRAE

October 15th Meeting

Topic: "Energy and Natural Resources – Why We Are the Way We Are and Where We Need to Go...or else".

The group, Citizens for Pennsylvania's Future of Penn Future is an organization of citizens committed to a vision of the future that places the conservation of our natural resources at the center of a vibrant economy. Their slogan is "Every Environmental Victory Grows the Economy".

About the speaker:

John Hanger (from Governor Rendell's announcement of the nomination of **John Hanger** to Secretary of the Department of Environmental Protection. Harrisburg, PA Aug. 19, 2008.

Governor Edward G. Rendell today announced that **Hanger** has served as the president and chief executive officer of Citizens for Pennsylvania's Future, or PennFuture, for the past 10 years.

"**John Hanger** has been at the forefront of nearly all environmental policy discussion in Pennsylvania for the past two decades," said Governor Rendell.

Hanger was an instrumental figure who helped to shape many of the state's prominent policy discussions while leading PennFuture, including the Alternative Energy Portfolio Standard Act of 2004, the Governor's Growing Greener II initiative in 2005, Pennsylvania's clean vehicles program, and the recently signed legislation creating alternative energy and alternative fuels investment funds. "His reputation as one of the state's leading environmental voices and his experience and relationships here in Harrisburg with legislators, stakeholders and the administration will prove to be a valuable asset as we work to make a better, cleaner and healthier Pennsylvania for our 12.4 million residents.

Prior to his time with PennFuture, **Hanger** was a member of the Public Utility Commission from 1993 until 1998. As a commissioner, he served on the electricity and consumer affairs committees and advocated for competition among the electric, gas and telephone companies; for policies that help low-income families, as well as practices that benefit the environment, such as net metering, energy conservation and renewable energy development.

Before becoming commissioner, **Hanger** served as legal counsel to PUC Commissioner Joseph

Rhodes from 1988 to 1993. Prior to that, he worked at Community Legal Services Inc. of Philadelphia serving as public advocate and representing 500,000 municipal customers of the City of Philadelphia's municipal gas, water and sewer utilities.

He is a 1979 graduate of Duke University and a 1984 graduate of the University Of Pennsylvania School Of Law. Hanger resides in Dauphin County.

Membership Promotion

Wednesday night, October 15, is our first "Membership Promotion Night" of the 2008-2009 year.

This means that the Chapter will pay for any guest who attends this dinner meeting. So let's see if you can invite and bring a guest along with you. Who wouldn't want a "free" meal along with learning about the changing world of energy?

As you know there are many benefits to being an ASHRAE member, why not try to introduce your co-workers to ASHRAE. We need new members to keep the Lehigh Valley Chapter alive and well.

Last Membership Promotion Night we had 2 guests who received free dinners; let's try to beat that this time.

So please try to attend this month's meeting and bring a guest along with you, I'm sure they will enjoy it.

Thank you for your support and see you at the meeting.

Matt Matsinko, P.E.
Membership Promotion Chairman
mjmatsinko@pplweb.com

Board of Governors Meeting Minutes September 17, 2008

Officers Present:

Stuart Heisey – President
Stephen Phillips – Secretary

Board of Governors Present:

Ethan Fick
Ray Forsthoefel

Committee Chairs Present:

Gabe Badesso – Research Promotion
Matt Matsinko – Membership Promotion
William Trach – Historian
Tom Serwatka – CTTC

Old Business:

CRC Review – Meeting was held in Harrisburg, PA. Stuart Heisey Donovan Denlinger, Matt Matsinko, Shaikh Sirajuddin, and Charlie Wall all attended the meeting.

New Business:

PAOE Points:

Priority goal for 2008/2009.

Be proactive and regular in submitting PAOE Points.

2008/2009 Programs – Discussed and agreed upon 2008/2009 target programs. **Need Program Chairs for the January thru May Meetings!!**

October – PennFutures

November – Geothermal Heat Pumps & Future Cities student activity

December – No Meeting

January – High Performing Buildings ASHRAE PowerPoint

February – ASHRAE 90.1 by Larry Spielvogel

March – Refrigerants

April – Afternoon ASHREA Satellite Broadcast IAQ Focus

May – Filtration with Brian Monk

Additional Topics for consideration:

Electronic Documentation (DL speaker – Chris McDonald)

Tours: (Sam Adams, Casinos – Pocono or Bethlehem, US Cold Storage)

Chair Reports:

Membership Promotion: Matt Matsinko handed out updates on member status and delinquent dues.

Research Promotion: Gabe Badesso gave the following report – 2008/2009 goal of \$5,000. Bill Harrison challenged the chapter to obtain \$50-\$75 per member.

ASHRAE / IESNA Standard 90.1 Press Release

Atlanta – A revised user’s manual will assist users of the ASHRAE/IESNA energy conservation standard in energy efficient design.

The User’s Manual for ANSI/ASHRAE/IESNA standard 90.1-2007, *Energy Standard for Buildings Except Low-Rise Residential Buildings*, is now available. This manual has been through an extensive revision process to incorporate the various addenda approved since the 2004 edition according to Keith Emerson, who oversaw review of the manual for the Standard 90.1 committee. Since the 2004 edition was published, 44 addenda have been approved and are now incorporated into the manual.

Updates have been made to reflect and illustrate the changes in every portion of the 90.1 Standard. Appendix G changes have also been made.

“The Appendix G changes will be particularly useful to people involved with projects that are trying to achieve a certain amount of savings over and above the minimum requirements of the standard,” Emerson said.

The *90.1-2007 User’s Manual* illuminates the standard by providing detailed instruction, calculation examples and compliance forms for the design of commercial and high-rise residential buildings. It includes section on administration and enforcement, building envelope, HVAC systems, service water heating, power lighting, the energy cost budget method and the building performance rating method.

The cost of the *90.1 User’s Manual* is \$93 (\$74, ASHRAE members), plus shipping and handling.

To order, contact ASHRAE Customer Service at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 404-321-5478, or visit at www.ashrae.org/bookstore.

ASHRAE Seeks to Engineer Tomorrow Press Release

Atlanta, GA – Chicago, with one of the most recognizable skylines in the world, has long-standing status as a livable urban center. That the city has stood the test of time makes it the perfect backdrop for ASHRAE’s 2009 Winter Conference theme, *Sustainable Urban Design – Engineering Tomorrow....Today*.

With a focus that resources must be conserved and environments respected even in urban settings, the ASHRAE Conference takes place January 24-28 at the Palmer House Hilton. Held in conjunction with the meeting is the ASHRAE co-sponsored AHR Expo, January 26-28, McCormick Place.

For complete meeting information and to register, visit www.ashrae.org/chicago. Take advantage of the “Early Bird” rate and register by October 31.

Meeting highlights include availability of more than 200 Professional Development Hour credits available through the technical program, with its theme of Sustainable Urban Design, and ASHRAE Learning Institute courses.

Seeking to create additional value for Expo and Conference attendees, ASHRAE is launching “Wednesday Welcome” at which all ASHRAE program sessions on January 28 will take place at McCormick Place. Hands-on, applications-type programs are offered in the morning, leaving the afternoon open to tour the Expo.

ASHRAE’s free public session also focuses on *Sustainability in the Urban Development*, sharing how the industry is building on its efforts to increase energy efficiency and indoor environmental quality of buildings by furthering the sustainability of entire communities. It is held at 3 p.m. January 26 at McCormick Place.

Also featured in the technical program is the technical plenary speaker, Adrian Bejan, Ph.D. J.A. Jones Distinguished Professor of Mechanical Engineering at Duke University. Bejan developed the constructal theory, which he says can predict how everything flows through time and space. The session takes place from 9:45-10:45 a.m. January 25, Palmer House. Overall, the tech program features more than 100 sessions with presentations of 68 papers.

Opening the meeting on January 24 at the plenary session is keynote speaker, Chris Luebke, who runs the Global Foresight and Innovation initiative at Arup, a global design and engineering firm. His

presentation echoes the meeting theme with a focus on sustainable urbanization, looking at some of the current global efforts to both design new cities and adapt existing cities to the new era of dwindling resources.

Sustainability is highlighted in the technical tours of facilities, including the ASHRAE Technology Award winning-Chicago Center for Green Technology, the Modern Wing of the Art Institute, the Intercontinental Chicago, which is the first Energy Star-rated hotel in the city, and the Spertus Institute of Jewish Studies, designed on the concepts of *tikkum olan* (meaning repairing the world) and *bal tashchit* (do not waste).

The ASHRAE Learning Institute offers five Professional Development Seminars and 12 short courses at the Palmer House and McCormick. New sessions include *Low Temperature Radiant Heating and High Temperature Radiant Cooling Systems*, *Chilled Beam Technology for Excellent Indoor Climate in an Energy-Efficient Manner*, *Installation of Residential Ventilation Systems (Standard 62.2)*, and *Business Management and Operations for Engineers*.

ASHRAE also will launch its latest certification program, Operation and Maintenance Management Professional Certification, during the meeting. For more information, visit www.ashrae.org/certification.

**LEHIGH VALLEY CHAPTER OF ASHRAE
2008-2009 MEETING SCHEDULE**

MONTH	TECHNICAL/DINNER PROGRAM	Event	PROGRAM CHAIR
Sept 17 th	William Harrison, ASHRAE President	Maintain to Sustain	Ray Forsthoefel
Oct. 15 th	Penn Futures Changing World of Energy	Membership Promotion #1	Paul Kuhn
Nov. 19 th	Ground Source Geothermal Heat Pumps	Student Activity #1 (Future Cities)	Don Chase, Jr.
Dec.	No Meeting		
Jan. 28 th	High Performance Buildings	Research Promotion #2	
Feb 25 th	ASHRAE 90.1	Student Activity #2	
Mar 25 th	Refrigerants – What to Expect in 2010	Membership Promotion #2	Stephen Phillips
Apr. 22 nd	IAQ Satellite Broadcast (afternoon)	Tour = Casino (evening)	Tracy Ladaudio
May 27 th	Filtration for High Performance Buildings	Brian Monk – Distinguished Lecturer	Donovan Denlinger
June 5 th	Golf Outing / Green Pond		Michael Schultz