



American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc.

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President's Message

Welcome to the February issue of the "Long Island Sounder". We thank all those who attended last month's meeting. We were fortunate enough to have Evans Lizardos give us a "Back to Basics" Presentation on "The Rise of Variable Flow Primary and the Fall of Primary/Secondary/Tertiary pumping Systems." Thank you again to Mark M. MacCracken and his presentation of "Energy Storage: A Vital Ingredient in a Low Carbon Future", an engaging and fascinating example of our industry's impact on climate change and energy security.



This month we will have our joint meeting with USGBC-LI. We will have a presentation by Laurel Christensen of Big A** Solutions presenting on "Air Movement for Energy-Efficient Comfort in Conditioned Spaces." This presentation is PDH approved.

If any companies have openings for internships now is the time to find some students to fill them. Please see our Student Activities Chair, Rich Halley or myself so we can get your position posted with our student advisors.

National Engineers Week is February 21-27. Engineers Week celebrates us—Engineers, Engineering Students, and Technicians— inclusive of all the amazing things we do every day to make the world a better place. Our local EJCLI chapter will be having a one day seminar on February 11 with multiple opportunities to gain PDH credits as well. Further information can be found on www.ejcli.org.

CHAPTER MONTHLY MEETING

DATE:	Tuesday, February, 2016
TIME:	6:00 PM - Cocktails/Dinner 7:00 PM - Dinner Presentation 8:45 PM - Conclusion
LOCATION:	Westbury Manor 1100 Jericho Tpke. Westbury, NY 11590
FEES:	
Members -	\$45.00
Guest -	\$50.00
Student -	\$15.00

*Reservations requested, but not required.
Call (516) 333-7117*

Please save the date, May 23rd, 2016, for our ASHRAE LI Golf Outing. We will send information shortly for registration. As always, I thank you for your support of ASHRAE Long Island.

Thomas J. Fields, P.E., LEED AP
President - Long Island Chapter

Long Island Chapter Officers & Committees

ASHRAE 2015/2016 OFFICERS

POSITION	NAME	PHONE	FAX	EMAIL
President	Thomas Fields, P.E., LEED AP	212.643.9055	212.643.0503	president@ashraeli.org
President-Elect	Charles Lesniak, P.E			president_elect@ashraeli.org
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Board of Governors	Bill Artis	201.395.3750		bog3@ashraeli.org
Board of Governors	Richard Rosner, P.E.	631.737.9170	631.737.9171	BOG4@ashraeli.org

ASHRAE 2015/2016 COMMITTEES

COMMITTEE	NAME	PHONE	FAX	EMAIL
Programs & Special Events	Charles Lesniak, P.E			programs@ashraeli.org
Membership	Ken Mueller	201.395.3761	763.231.6924	membership@ashraeli.org
Chapter Technology Transfer (CTTC)	Don Kane, P.E.	631.737.9170	631.737.9171	cttc@ashraeli.org
Grassroots Government Activities Committee	Charles Lesniak, P.E			ggac@ashraeli.org
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Historian	James Hanna	718.269.3768	718.269.3794	historian@ashraeli.org
Student Activities	Richard Halley	718.269.3809	718.269.3725	sa@ashraeli.org
Chapter Regional Conference Committee	Richard Halley	718.269.3809	718.269.3725	crc@ashraeli.org
Young Engineers in Training	Frank Paradiso	631.632.2791	631.632.1473	yea@ashraeli.org
Webmaster	Richard Rosner, P.E.	631.737.9170	631.737.9171	web@ashraeli.org
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Reception & Attendance	Bill Artis	201.395.3750		reception@ashraeli.org
PR & Engineering Joint Council of LI	Andrew Manos, LEED AP	631.632.2791	631.632.1473	pr@ashraeli.org
2014 CRC Committee	Richard Halley	718.269.3809	718.269.3725	CRC@ashraeli.org
Golf Outing	Peter Gerazounis, P.E., LEED AP Steven Friedman, P.E., HFDP, LEED AP	212.643.9055 212.354.5656	212.643.0503 212.354.5668	golf@ashraeli.org

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Chapter Monthly Meeting - Program for 2015/2016

September 8, 2015 * At Westbury Manor  Dinner Presentation – Commissioning Considerations for VRF Systems Presenter: Bill Artis **1 PDH**	February 2016 NATIONAL ENGINEERS WEEK
October 20, 2015 * At Westbury Manor  Dinner Presentation— “Dr. Duct Tape” Presenter: Max Sherman, PhD **1 PDH** ASHRAE DISTINGUISHED LECTURER <i>Back to Basic Session I -</i> **1 PDH** <i>“Selecting and Designing Refrigeration Equipment Component Packages”</i>	March 8, 2016 * At Westbury Manor Dinner Presentation— TBA Presenter: TBA **1 PDH** Joint meeting with LI-Geo YEA Night <i>Back to Basic Session III –</i> **1 PDH** <i>“Design & Theory of ”</i>
November 10, 2015 * At Westbury Manor  Dinner Presentation-- Phenolic Duct Construction Standards Presenter: Eli P. Howard, III **1 PDH** Resource Promotion Night Joint meeting with SMACNA Student Activities Night & YEA Night as well as Membership Promotion and Upgrade Night	April 12 , 2016 (5 PM) ANNUAL FIELD TRIP **1 PDH** . Dinner to follow at a local Restaurant
December 8, 2015 * At Westbury Manor  HOLIDAY PARTY Free Buffet Dinner for Members	May 12th, 2016 * Cherry Valley Club, Garden City, NY ANNUAL GOLF OUTING
January 12, 2015 * At Westbury Manor  Dinner Presentation– Energy Storage: A Vital Ingredient in a Lower Carbon Future Presenter: Mark M. MacCracken, P.E., Pte. LEED Fellow **1 PDH** ASHRAE DISTINGUISHED LECTURER <i>Back to Basic Session II -</i> **1 PDH** <i>“The Rise of Variable Flow Primary and the Fall of Primary/ Secondary/Tertiary Pumping Systems “</i>	May 12, 2015 * At Westbury Manor Dinner Presentation— TBA Presenter: TBA **1 PDH** Student Activities Night Refrigeration Night
January 2016  ASHRAE Winter Meeting	June 14, 2016 * At Westbury Manor Free Buffet Dinner for Members PAST PRESIDENTS NIGHT & OFFICER INSTALLATION STUDENT SCHOLARSHIPS TO BE AWARDED ASHRAE History Quiz and prize Give-A-Ways
February 9, 2016 * At Westbury Manor Dinner Presentation—Air Movement for Energy-Efficient Comfort in Conditioned Spaces Presenter: Laurel Christensen **1 PDH** Joint Meeting with USGBC Resource Promotion Night Membership Promotion Night	August 2016 Chapter Regional Conference (CRC) Region I

BOG Meeting Minutes

Call to Order

Review of Agenda

Secretary (Frank Paradiso)

- Meetings minutes – approval
- Comments/Additions

Minutes from December are approved.

President (Thomas Fields)

- PAOE – Latest Updates are due.
 - ARTICLES, DUE 11/20! Need to get done before Thanksgiving.
 - Looking to do short presentation on TC/TAC in Feb or March, we get PAOE, thoughts?
 - o Update PAOE points
 - o RP night is February, Andy may present leading into TC
- Presenting on TC with Bill

President-Elect/Programs (Charles Lesniak)

- Sponsors for cocktail hour?
 - Confirm USGBC Feb. attendance.
 - NYC event?.
 - Field Trip? – ~~Nuzzlese Ice~~ – Not available. Other options?
- Gift for DL?

Chapter Technology Transfer (Don Kane)

- Keep sending info on special events -
 - Push new smart phone apps and computer programs.
 - ~~Check non-allocated DLs for future meetings in 2016.~~
 - ~~Ice plant visit.~~
 - Don has filed for the tax extension to Feb. 2016 THAT IS NOW!!!
 - o IAQ points for a presentation and for member attendance.
 - o We need sustainability points
 - o BEQ requirements are tough
 - o Arctic Ice plant visit will be followed up next year (not possible this year)
 - o We will look into a field trip to the Great South Bay Brewery
 - o Ticket books will be request on demand
 - o Keep Fundraising budget separate from operating budget
- Breakdown of Golf outing from Peter

Treasurer (Richard Halley)

- Newsletter invoicing
- Expenses ...
- Taxes!!!
- Did check go to Rosners?
- Money last year was received only from National Grid
- Andy created a spreadsheet for newsletter invoicing

BOG Meeting Minutes (Cont'd. from page 4)

- \$15198.99 before January Monthly chapter meeting dinner payment (includes CRC money)
Money raised for the Rosner family is in the TD bank account, the check needs to go out.

Grassroots Government Activities (Charles Lesniak)

- Try and get a local rep to the Feb meeting with USGBC – Update?
- Get local officials on mailing list.
- February 11th, 4 lined up
- Holiday Inn in Plainview
- All day PDH presentations

Historian (James Hanna)

- Articles
 - Digitizing records
 - Interview – Ron Kilcarr?
 - Follow up with Neil Rosen on Habitat for Humanity – Update?
 - Does anything need digitizing?
 - Need at least one article per year (interview?)
- Habitat for Humanity: Reached out to Neil Rosen and he is in communication. He is excited about the interest from the Long Island ASHRAE chapter

Honors and Awards Chair (Brian Simkins)

- Nominations this year .
- Nominate Eugene Silberstein (Campbell award) last year

Research Promotion (Andrew Dubel)

- Status update.
- ~~How is 30% by December looking?~~
- Vendor Book update.
- Vendors are reluctant to pay invoices and need more motivation
- 3 new vendors and 6 are outstanding

Membership Promotion (Ken Mueller)

- Maintain delinquencies less than 2%
 - Upgrade membership from associate to member – we had one, any others?
 - Recognition of new members at chapter meetings.
- Article please.

Student Activities (Richard Halley)

- Student membership
- Stony Brook Chapter Update
- Suffolk, Hofstra, NYIT
- Prof. Eugene leaving – any actions by us?
- Any K-12 activities?
- Mid-winter Recess/Vacation Students are not in class
- Steve Sills Chair for Students
- SBU students need recognition for doing ASHRAE design Research project

BOG Meeting Minutes (Cont'd. from page 5)

- o Balloon jousting in March, Student Activities in February
- o Membership Promotion move to March?
- E-mail blast for college visits

YEA (Frank Paradiso)

- Events?
- Smart Start promotion
- o Continue to push Smart start program for outgoing students transferring to full ASHRAE accounts
- Looking into informal YEA meeting night at Famous Dave's BBQ in February

Web Master (Richard Rosner)

- Newsletters need to be uploaded – Does anyone know how to do this without consultant?
- Can everyone use the email aliases? (MGE has email issue with them)
- Constant Contact working well.

FTP Site – login info (<ftp.longisland.ashraechapters.org>, YUZnP3EVRtekMTuZEg0i)

The website needs updating since October

CRC 2017 (Richard Halley)

- Update on the event planning
- Proposed meetings 4th Tuesday of month - has this started?
- Wind Watch Golf Email
- o BOG Emails are not working
- o January 26th is 1st meeting for the CRC committee
- o Webpage needs to be created and worked on
- o The CRC video needs to be idealized and finalized
- Fundraiser has \$10,000 commitments

Golf (Steven Friedman, Peter Gerazounis)

- Get them involved in the CRC golf event planning, if they can.
- Steve is looking to step down. We will need assistance with this going forward. Nominations?
- o Not emergency
- May 19th is Golf event

Old Business

- Ticket Books.
- Refer to Chapter technologies

New Business

- Do we typically pay Liset membership?
- Open forum...
- o Yes, last year her membership was picked up
- Log in information is needed.

Time/Place of next BOG Meeting – February 9, 2015.

Motion to Adjourn

Long Island Chapter - Past Presidents

1958	H. Campbell, Jr. PE	1987	Abe Rubenstein, PE
1959	Clyde Alston, PE	1988	Michael O'Rourke
1960	Sidney Walzer, PE	1989	Mel Deimel
1961	Sidney Gayle	1990	Robert Rabell
1962	William Kane	1991	Gerald Berman
1963	Louis Bloom	1992	Donald Stahl
1964	Milton Maxwell	1993	Ronald Kilcarr
1965	Will Reichenback	1994	Jerald Griliches
1966	Joseph Minton, PE	1995	Walter Stark
1967	Irwin Miller	1996	Joe Marino
1968	Walter Gilroy	1997	Norm Maxwell, PE
1969	Charles Henry	1998	Alan Goerke, PE
1970	William Wright	1999	Frank Morgigno
1971	Louis Lenz	2000	Michael Gerazounis, PE, LEED AP
1972	Ronald Levine	2001	Ray Schmitt
1973	Henry Schulman	2002	Steven M. Stein, PE
1974	Myron Goldberg	2003	Andrew Braum, PE
1975	John N. Haarhaus	2004	Claudio Darras, P.E.
1976	Richard K. Ennis	2005	Craig D. Marshall, P.E.
1977	Kenneth A. Graff	2006	John Nally
1978	Evans Lizardos, PE, LEED AP	2007	Peter Gerazounis, PE, LEED AP
1979	Albert Edelstein	2008	Steven Friedman, PE, HFDP, LEED AP
1980	Ralph Butler	2009	Steven Giammona, P.E., LEED AP
1981	Robert Rose, PE	2010	Nancy Román
1982	Timothy Murphy, PE	2011	Carolyn Arote
1983	Leon Taub, PE	2012	Brian Simkins, LEED AP
1984	Raymond Combs	2013	Andrew Manos, LEED AP BD+C
1985	Edward W. Hoffmann	2014	Richard L. Rosner, P.E.
1986	Jerome T. Norris, PE		



PAOE POINTS FOR 2015/2016

Chapter Members	Membership Promotion	Student Activities	Research Promotion	History	Chapter Operations	CTTC	GGAC	Chapter PAOE Totals
282	130	175	490	0	730	825	175	2,525

February Program



Dinner Presentation

“Air Movement for Energy-Efficient Comfort in Conditioned Spaces ”

Presented by

Laurel Christensen
Big Ass Solutions

**Attendees
Will Earn
1 PDH!**

DATE:	TUESDAY, FEBRUARY 9, 2016		
Time:	6:00 PM - Cocktails and Hors D'oeuvres 7:00 PM - Dinner Presentations 8:45 PM - Conclusion	Fee:	\$ 45.00 Member \$ 50.00 Guest \$ 15.00 Student
Location:	WESTBURY MANOR (516) 333-7117 1100 Jericho Tpke., Westbury, NY 11590 Directions are posted at @ www.ashraeli.org.		
Presentation:	As we move increasingly towards market viable net-zero buildings with initiatives like ASHRAE Vision 2020 and the 2030 Challenge, we must reevaluate the role that typical building components play in a facility's energy efficiency. ASHRAE 55 has highlighted the impact of elevated air speed on thermal comfort, and in recent years innovative designs have reestablished air movement as an integral part of occupant comfort and energy conservation. Furthermore, recent changes to Appendix G of ASHRAE 90.1 allow the inclusion of energy savings from using elevated air speed in energy simulations. When integrated into new building designs, air movement allows a reduction of air conditioning capacity and ductwork. In the winter, low speed air circulation redirects heated air trapped at the ceiling, resulting in significant energy savings. Project teams working on net-zero buildings have proven the effectiveness of incorporating air movement in building plans as part of an integrated design strategy. All attendees will receive <u>1 PDH</u>.		
About our Speaker:	Laurel Christensen is a 2013 graduate of the Masters of Architecture program at the University of Kentucky College of Design, and has been representing Big Ass Solutions in the Northeast for the past two years. As a LEED Green Associate with a passion for design and sustainability, she focuses on educating Architects and Engineers on more energy efficient alternatives to traditional mechanical systems, using elevated air speeds for both perceived cooling and winter time de-stratification.		

Young Engineers in ASHRAE (YEA)

The Long Island chapter meeting on February 9th, 2016. This meeting will be a great way to learn about what being a member of your local chapter of ASHRAE has to offer.

Keep up to date with some upcoming YEA programs and events as follows:

YEA Leadership Weekend Spring 2016

The Spring 2016 YEA Leadership Weekend will be held in Austin, Texas from February 19-21, 2016. Registration is now open for the event! This event will include segments on understanding your own personality as well as other types, leadership development for young professionals, communication techniques and ASHRAE leadership opportunities.



Smart Start Program

Recent Graduates can transfer their student ASHRAE account with the Smart Start Program.

Simply put, it's the best way for ASHRAE student members to receive the many benefits of Associate grade membership after finishing college. SmartStart is a 3-year program that allows Student members to transfer to Associate grade membership at a rate that is recent-graduate friendly.

We will be looking for more ideas for social events so please contact me if you have suggestions.

One such idea is a spring get together at a German Beer Hall in Franklin Square NY

Be sure to connect with Young Engineers in ASHRAE.

Frank Paradiso
YEA Chairman



Research Promotion

I would like to thank all the companies who have participated in the annual 2015 Product Directory of Manufacturers and their Representatives. The Product Directory has been prepared as a service to all its members and as a service to the local HVAC industry. It will be made available to all ASHRAE and non-ASHRAE members at no-cost and can be obtained from our monthly meetings or directly from our web-site. The Directory is intended to provide better communications between manufacturers and their sales representatives; engineers who specify products; contractors who purchase and install the equipment; and other interested parties. Product Directory listings are not limited to ASHRAE members and the listings are not to be considered as advertising or endorsement by ASHRAE of any product, manufacturer or representative.



I would like say 'thank you' to all the contributors listed below whom have already donated to ASHRAE this year. Through your generous support we reached 60% of our goal.

INDIVIDUALS

Frank D Morgigno	Frank Paradiso
Michael Gerazounis, PE	Richard Halley
John D Nally	James Hanna
Andrew E Manos	Thomas Fields
Donald W Kane, PE	Ricky Gaska
William Artis, Jr	Chris Sideris
Richard L Rosner, PE	James R Tauby, PE
Andrew B Dubel	Steve Benkovsky
Charles J. Lesniak, PE,	Richard Pearson
Robert J Fuchs	

COMPANIES

SMACNA - Long Island	Catan Sales
PVI	Klima Sales
Metro Air Products	Venco Sales
Technical Air Systems	Miller Proctor Nickolas Inc.
RPG Associates	
Albert Weiss	
VMC East	
MV Controls	
ACS Analytical and Combustion Systems	
AEF Sales	
Accuspec	
Lizardos Engineering	
Bush Sales	

CONTRIBUTIONS CAN BE MADE IN THE FOLLOWING WAYS:

1) You can mail your checks, made out to ASHRAE Research Promotion, to:

Andrew Dubel, P.E.
ASHRAE Research Promotion Chair
c/o Lizardos Engineering Associates PC
240 West 35th Street, Suite 304
New York, NY 10001

2) You can bring your check to any of the meetings and give it to me. I will mail it into headquarters.

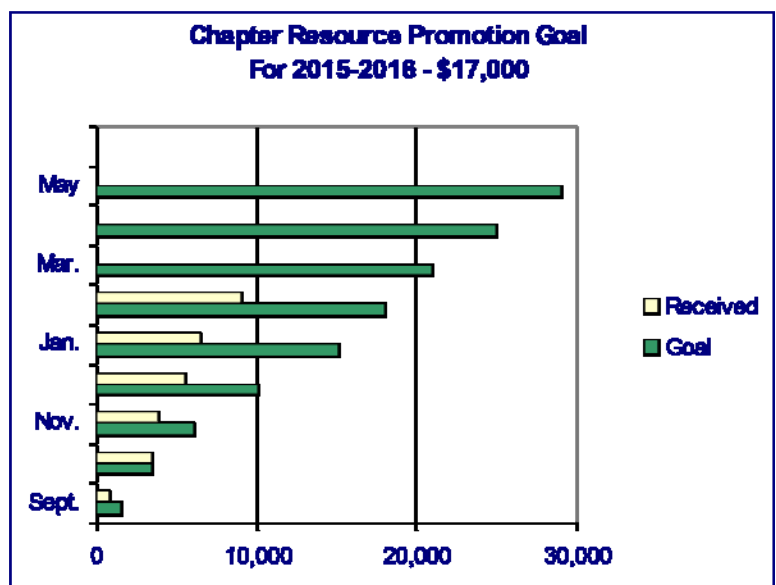
3) You can contribute via PayPal from the ASHRAE LONG ISLAND web site, just click on the donate button.

4) You can contribute directly on-line. www.ashrae.org

*** Please make sure you accredit your contribution to the LONG ISLAND CHAPTER 006 ***

Thank you again for all of your support!

Andrew B. Dubel, P.E.
Research Promotion Chair



CTTC - HIGH VOLUME LOW SPEED FANS -NOT JUST A BUNCH OF HOT AIR

Actually, it is! A whole lot of it and, since the air up in the ceiling area would generally be warmer than at floor level, when we try to de-stratify the warm air layer it is necessary to move a lot of hot air. Why bother? Why de-stratify the air...why not just leave it be? A number of reasons come to mind. In the heating season, after we have either burned fossil fuel directly or indirectly (courtesy of the local electric utility) to heat up the air inside a building, why let it "hover" up near the ceiling, while the people at floor level are still shivering. Now in an office or dwelling area with an air based comfort conditioning system, this is not as much of a problem as the ceilings are not that high and, with proper selection of diffusers sufficient airflow can be generated to create a more or less homogeneous mass of air. Out on the factory or warehouse floor, on the other hand, with high-bay storage racks and large volumes of air, maintaining comfort levels can be more difficult and expensive. It's not that there isn't enough warm air in the winter, it all rises to the ceiling, doing little to provide comfort to those at floor level. Seems like the solution should be simple...bring the hot air at the ceiling back down to the floor level. One could certainly install a multitude of fans, however the effects of the high speed air discharged from the typical fan dissipates rapidly as the distance from the fan increases. In order to get the air column to travel further requires more fan volume which requires increased fan speed with it attendant noise and high velocity air blowing around anything that is not tied down. Where such a high velocity air stream impinges on personnel, they are likely to not perceive it as a comfortable environment. What if we could just lower the layer of warm air down, as if on an elevator, to the floor level; slowly but as one mass of air? It seems that back in the late 1990's, someone thought that would be a good way to increase the comfort level of cattle in barns, maybe even increase the milk output if the cows could be made to be more contented. To move that much air without expending excessive power (farmers are known to be frugal) and not increasing the noise level led to the use of slow moving, large bladed fans, the so-called HVLS (High Volume Low Speed) fans we see today in not just barns, but factories, warehouses and even office spaces in some cases. Typically these fans will pass at least 500 cubic feet of air through the fan per revolution and limit the blade tip speed to no greater than 60 mph.



It seems that the fans worked out well for the farmers, and it was only a short step to using the same approach to factories and warehouses. While a fifty-six inch conventional fan (high speed) will move around 15,000 cfm, twenty four foot HVLS fans can move 125,000 to 400,000 cfm. Why use these fans that were developed for cattle in commercial buildings? Remember all that hot air that was hanging around up by the ceiling? It seems that if you can bring it back down to the floor level in a large mass, letting it spread out as it hits the floor, you can save up to 40% of your winter heating costs in cold climates. In the summer time, you can use the same fans to provide increased perceived comfort to those who populate the spaces so equipped. Used either in combination with comfort cooling or not, the movement of the air alone can result in a "perceived" reduction in temperature of 7-10 degrees. If used in combination with comfort cooling, this allows a higher thermostat setting in the cooling season, resulting in additional savings. The installation of fewer large diameter fans (generally operating at 50-150 RPM) results in the de-stratification of the air in the winter, bringing the warm air back down to the floor and, in the summer contributes to increased perceived comfort levels, with or without additional comfort cooling. Seems almost too good to be true. There are a few caveats, to be sure, to ensure the full potential of the fan(s) is(are) realized.

As the fans need to draw air down from above from the space between the fan and the ceiling, there is a minimum spacing required to permit proper airflow. If air conditioning is in use, the fans should be a minimum of twice the fan diameter from the discharge diffuser if located below the level of the diffuser or one diameter from the discharge diffuser if located above the diffuser level. Generally, a spacing of two blade diameters is recommended from walls and/or other obstructions. Safety cables are needed and restraint cables are needed where the fan motor unit is not rigidly attached to the structure.

The benefits of the HVLS fans, while developed to keep cattle comfortable, were not lost on the commercial sector and, due to the cost savings in heating and cooling as well as the increased perceived comfort levels for the personnel occupying these facilities there was a rapid adoption of the technology. What could possibly go wrong?

As code making bodies and standards writing organizations have a finite time between the onset of a technology and the updating of standards and codes to address the new products, the implementation of the HVLS fans was well entrenched before researchers started looking into the effects that these large fans would have on facilities protected by sprinkler systems for fire protection. Of concern was the effect the large air flows would have on the operation of sprinkler heads (preventing the heated gases from reaching the heat sensitive element of the sprinkler head, delaying actuation) and if the fan blades themselves would alter the spray pattern of the sprinkler heads.

CTTC - HIGH VOLUME LOW SPEED FANS -NOT JUST A BUNCH OF HOT AIR (Cont'd. from Page 9)

The bad news....preliminary testing, especially with regard to early suppression fast response (ESFR) type sprinkler heads showed that the fans could, indeed, interfere with the proper operation of the sprinkler protection, resulting in additional heads being actuated or, in some cases, the ESFR sprinkler performance being downgraded to merely controlling rather than extinguishing a fire. The operation of the fans during a fire/sprinkler operation event exacerbated the problem when test "burns" were conducted.

The good news...after additional testing and analysis, the National Fire Protection Association (NFPA) that authors NFPA-13, covering fire protection sprinkler systems added requirements to NFPA-13 to deal with the HVLS fans. Namely; the maximum fan diameter to be 24 feet, the fan is to be centered, approximately, between four adjacent sprinkler heads, a minimum three (3) foot clearance is required from the fan to the sprinkler deflector and the fan is to be interlocked with the Fire Alarm system to immediately shut down after a water-flow signal is received from the alarm system (per NFPA-72). NFPA further recommends that the shutdown be tied into smoke detection systems for additional protection.

So, while maybe not the solution for every application, for large areas with high ceilings, the HVLS fans offer a viable solution for increased comfort and lower operating costs and, properly arranged, minimal effect on the effectiveness of fire protection sprinkler systems.

Don Kane, P.E.

CTTC Chair AND V.P. - cttc@ashraeli.org

History - Did you know...

The Historical Committee is a General Standing Committee of the Society and operates under the direction of the Publishing and Education Council. Did you know that the Responsibilities of the historical committee includes the following: Research into the history of HVAC&R, Conduct historical seminars and other events, Encourage publication of historical articles, Encourage collection of items of historical significance, Maintain a repository and catalog of literature of historical significance and Provide guidance to Chapter historians. Below are some fun facts about our Region 1 Chapters:

Bi-State -1985

Boston - February 8, 1912

Central New York - May 28, 1941

Champlain Valley - October 2, 1970

Connecticut - June 1940

Granite State - January 1987

Long Island -1957

Maine -1972

New Jersey -1952

New York - October 24, 1911

Niagara Frontier -1919

Northeast -1950

Rhode Island -1959

Rochester -1956

Twin Tiers - September 23, 1977



James Hanna

History Chairman

Membership

A benefit of ASHRAE membership is discounted pricing on ASHRAE educational materials and courses. A variety of courses are available at www.ashrae.org/education and at elearning.ashrae.org. The ASHRAE E-learning website includes interactive courses that are perfect for individuals and corporations who need to update their technical knowledge, meet PDH/CEU requirements for licensing and certification, or provide engineering staff training. ASHRAE eLearning offers over a hundred courses in HVAC, refrigeration, high-performance green buildings, and data centers. Each allows you to train around your schedule, saving you time and travel expenses. Also available are Self Directed Courses, which offer you access to well-designed course material without leaving your home or office. The course format allows you to review and study the material at your own pace and provides exercises that enable you to evaluate how well you are learning the material. These fundamentals courses are available in print form for all topics. Please take the time to review these resources.

Ken Mueller
Membership Chairman

Student Activities

The blizzard and winter storms of 2016 are no match for our student chapters. Student Chapter meetings continue in both locations. Stony Brook Chapter has entered the national design competition for load calculations and equipment selection. We wish them the best of luck.

February is our next Student Activities night. We are expecting another big turnout from. This is a great opportunity for Business Owners and Engineering firms who are looking to hire entry level Engineers and College Interns for the summer. If you have such a need please email me at rchalley@trane.com.



During the next few weeks we will start distributing the Annual Long Island Chapter Scholarship applications and will present the awards during our June meeting. If you know a Student who could benefit from the scholarship please send their information to me and I will make sure they are on our distribution list.

As always I want to thank you for your support and if you have any slightly used ASHRAE Hand Books that could be re-distributed to our Students please bring them in the February meeting.

Richard Halley
Student Activities Committee Chair

Grassroots Government Activities Committee (GGAC)

As most of you know ASHRAE is no longer a US based society it has moved itself to a global society, ASHRAE wanted to start a new committee in their local chapters to help it grow globally so it created the GGAC. The main purposes of the GGAC is to serve as a communicator between the local ASHRAE chapters and national, serve as a communicator between the local ASHRAE chapters and other trade organizations, and to update local government officials on ASHRAE standards and technical issues. Please look at the ASHRAE's main GGAC webpage at <https://www.ashrae.org/government-affairs/> and ASHRAE's new GGAC Facebook page at www.facebook.com/ASHRAEGGAC/ for more information what the GGAC is doing nationally. The latest topics which ASHRAE is participating in can be found at the link: <https://www.ashrae.org/government-affairs/government-affairs-updates/government-affairs-updates-01-22-2016#4>



This Month we will hold a joint meeting with the USGBC Chapter of Long Island <http://usgbc-li.org/>, and in March with Long Island Geo <http://www.li-geo.org/>. In addition to our joint meetings we will have presentations for National Engineering Week with EJCLI <http://www.ejcli.org/>.

Please contact me if your organization would like to join us for a joint meeting.

DOE Issues Final Rule on Test Procedures for Residential Furnaces and Boilers

The US Department of Energy (DOE) has issued a final rule amending its test procedure for residential furnaces and boilers established under the Energy Policy Conservation Act. ASHRAE Standard 103 *Method of Testing for Annual Fuel Utilization Efficiency of Residential Central Furnaces and Boilers* is extensively discussed in this rulemaking, which can be found [here](#)

DOE Issues Proposed Rule on Energy Conservation Standards for Ceiling Fans

DOE has issued a notice of proposed rulemaking that would amend energy conservation standards for ceiling fans, and has also announced a public meeting to receive comment on these proposed standards and associated analyses and results.

New York State Reforming the Energy Vision (REV) News

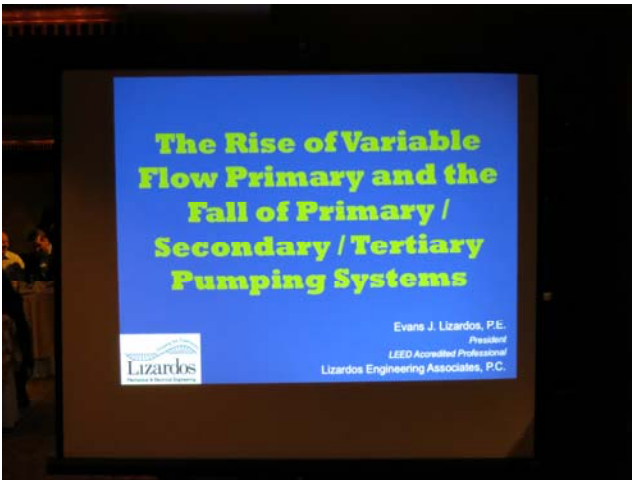
New York State has announced another part of the REV Campus Challenge; the "Energy to Lead Competition" for students of New York State universities. This competition is for the design and development of campus and community clean energy project. There will be three winners selected and the winners will receive 1 million dollars to help implement their plans. See <http://www.nyserda.ny.gov/energy-to-lead-competition> for more information.

New York State Public Service Commission recently announced the approval of a 10 year, \$5 billion Clean Energy Fund for NYS. This fund will be administered by New York State Energy Research and Development Authority to develop a clean energy tech center.

SUNY Farmingdale recently received funding to establish the Infrastructure, Transportation and Security Center at Farmingdale State College. The Center will take an academic focus on strengthening security at regional infrastructure and transportation systems and train students in related fields of study. The Infrastructure, Transportation and Security Center will be run in partnership with Stony Brook University and Nassau Community College. The Center is expected to be open by 2020.

Charlie J. Lesniak, P.E.
Grassroots Government Activities Chair

January Meeting Pictures



January Meeting Pictures



ASHRAE Learning Institute Training - March 15 & 16, 2016**ASHRAE Learning Institute Training**

in conjunction with

Learn more and register at www.ashrae.org/cmpxcourses

Get in-depth training for real-world HVAC&R challenges from ASHRAE in conjunction with the 2016 Canadian Mechanical & Plumbing Exposition (CMPX) in Toronto. ASHRAE will present two courses including the new ASHRAE Standard 188-2015 course to practicing professionals in the HVAC&R industry. The courses are structured to help participants achieve defined learning objectives, and each attendee receives a course workbook and an ASHRAE certificate of attendance.

Tuesday, March 15, 2016**Commissioning for High-Performance Buildings****Time:** 2:00pm – 5:00pm**Cost:** \$184 (\$139 ASHRAE Member)

ASHRAE Guideline 0 is the focus of this course, which will present the defining characteristics of the ideal building commissioning process as expressed in this guideline. The course will explore the implications of employing the ASHRAE commissioning process for the acquisition of a high-performance building.

Instructor: [Walter Grondzik, P.E., Fellow/Life Member ASHRAE, LEED® AP](#)**Click here to Register:** http://xp20.ashrae.org/secure/ali/CMPX_2016/

Wednesday, March 16, 2016**ASHRAE Standard 188-2015 – Successfully Managing the Risk of Legionellosis NEW!****Time:** 9:00am – 12:00pm**Cost:** \$184 (\$139 ASHRAE Member)

Legionellosis is a health and safety concern for facility owners and operators, and for those who design, manage, and oversee building water cooling systems. This course describes the environmental conditions that promote the growth of Legionella in water systems, and where Legionella control measures can be applied in new and existing buildings. A comparison between general compliance and compliance for certain health care facilities will be provided.

Instructor: [Michael Patton, Member ASHRAE](#) and [William Pearson, Member ASHRAE](#)**Click here to Register:** http://xp20.ashrae.org/secure/ali/CMPX_2016/

ASHRAE is seeking papers for its 2017 Winter Conference in Las Vegas



Shaping Tomorrow's
Built Environment Today

ASHRAE is seeking papers for its 2017 Winter Conference in Las Vegas, Nev., Jan. 28-Feb. 1, 2017.

To submit a Conference paper abstract or a technical paper and for more information about the conference, visit www.ashrae.org/lasvegas.

"Today's HVAC&R profession is facing challenges unlike those from the past," Leon Shapiro, Conference chair, said. "The rapidity with which technology advances the modeling, design, equipment, systems, construction and operation of the buildings we deal with, along with the speed with which climate change is significantly altering the conditions around which we design, are creating problems for today's ASHRAE members. The conference seeks to address those problems."

The conference seeks papers on new tracks addressing design issues that are challenging the entire industry.

- The Water-Energy Nexus track highlights research in the relationship between water usage and energy systems. It also explores technologies and designs intended to reduce the gap between energy and water efficiency.
- The Advances in Mission Critical Design and Operation track highlights developments in mission critical facilities and the challenges of meeting increasing load demands while minimizing the impact on energy and water usage.
- The Climate Change and Its Effects on HVAC&R Design and Technologies track focuses on methods to increase building resiliency and facilitate climate adaptation.
- Energy Efficient Industrial Buildings and Life Safety spotlights energy efficiency in industrial buildings and how it can be achieved without compromising life safety considerations.

The conference also seeks papers on Fundamentals and Applications, HVAC&R Systems and Equipment, Commercial and Industrial IAQ and Building Operation and Performance: Meeting the Modeling Expectations.

ASHRAE offers two types of paper submissions:

Conference Papers: Abstracts due March 14, 2016. Upon acceptance, papers will be due July 6, 2016. These "final" papers undergo a single-blind review, are submitted as a PDF and have an eight single-spaced page maximum length.

Full Technical Papers, which are due April 18, 2016. Papers submitted for review must be both technically accurate and clearly written. These papers undergo a rigorous double-blind review and can be a maximum of 30 double-spaced pages.

www.ashrae.org/lasvegas

Save-the-Date - ASHRAE Webcast - April 21, 2016

SAVE THE DATE! April 21, 2016 | 1–4 pm EDT

This webcast will feature industry experts who will define the importance of, and why we should strive for, net zero in the built environment. Viewers will be able to identify behaviors that create more effective ownership, design and construction teams, and will recognize the value of a collaborative process in building design and the impact on costs. With a strong emphasis on real-world applications, the program will also discuss the primary technical and financial challenges in achieving net zero buildings, and where this design approach can best be applied.

- Take advantage of the **two week On Demand period from April 22 – May 6** and schedule your viewing of the webcast around your time zone and schedule
- The On Demand player has fast forward and rewind capabilities — allowing you to view all or part of the program with your members
- Plan a lunch or dinner meeting with your Chapter to view the webcast
- Utilize the Net Zero Resources online to supplement the webcast program
- Earn 3 FREE PDHs
- Chapters who register to view the webcast will earn **100 PAOE points**

Visit www.ashrae.org/webcast for additional information about the program, sponsorships, continuing education credits, speakers, and registration.

\$\$\$ SAVE MONEY \$\$\$

ASHRAE-LI is now offering Ticket Books for our Monthly Meeting/Dinner presentations. \$450 for a book of Eleven (that's right....eleven, one better than ten) tickets for the price of ten member admissions. Tickets are valid until December of 2017 and may be used by members and non-members. For those of you who attend all or most of our meetings and for organizations who normally send large groups to the meetings, this is a great way to save a few dollars and speed up the entry process. For more information and/or to purchase ticket books, please contact Don Kane at cttc@ashraeli.org or call 631-574-4870.



ASHRAE CERTIFICATIONS

Certification



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- Assure employers and clients of subject mastery
- Serve as a springboard for continued professional development
- Offer an easy-to-apply process

FOR MORE INFORMATION GO TO - <https://www.ashrae.org/education--certification/certification>

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If you would like to place an advertisement in the Long Island Sounder, please contact our Chapter Financial Secretary, Don Kane, PE @ 631-574-4870 or by email at finsec@ashraeli.org for further details. Thank you.

Rates (includes all issues September-June):

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