



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

Special points of interest:

- President Message
- Twin Tier News
- Monthly Meetings
- Society News
- Scholarships
- Business Card Advertisements
- Employment

ASHRAE 2020-2021



December Meeting

December 15, 2020
Virtual Presentation!

PRESENTATION:

Buildings Are Our Best Medicine (1 PDH)

**Stephanie H. Taylor MD, M Architecture,
CIC, FRSPH (UK)**
ASHRAE Distinguished Lecturer

To register, visit the Chapter website:
<http://twintiers.ashraechapters.org>

Please send all newsletter comments to:
Andrew Nice, Newsletter Editor
c/o Meier Supply Co.
275 Broome Corporate Parkway
Conklin, NY 13748
[Email the Editor](#)

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



Corner

President's

Dear Twin Tiers Chapter Members,

I hope that you all had a wonderful Thanksgiving - the end of the year is rapidly approaching, and the holiday season is upon us. This is the time of year when ASHRAE is also in full swing; we have had our first two Chapter meetings and have many more scheduled for the coming months.

Adam Keller, our current chapter president elect, has been doing a great adapting our programs for the current climate. We would like to thank all that continue to attend our monthly meetings in their new format.

Our next meeting on December 15th combines both a Distinguished Lecturer presentation and our Past President's Recognition and History night. The topic of discussion is "Buildings Are Our Best Medicine" presented by Stephanie H. Taylor MD, M Architecture, CIC, FRSPH (UK), and ASHRAE DL. Dr. Taylor will present studies on building interventions that have dramatically improved the health of human occupants while decreasing the threat of microbial pathogens such as COVID-19. She spoke as our keynote speaker during our 2019 Spring Symposium and was very well received. As such, we anticipate a great turnout for this presentation.

Our current officers and board of governors would also like to use the opportunity to say a special thank you to ALL our past Twin Tiers Chapter Presidents for their service and contributions to the chapter. Many of them are still involved in some capacity to-date. I am sure I speak on behalf of all our members when I express our gratitude and appreciation for all of the volunteered effort and time in helping build our Chapter to be what it is today.

Lastly, we would like to invite anyone who wants to get involved in some capacity with the Twin Tiers Chapter to discuss with Board Members any of our open Committee Positions. These positions are a great way to get more involved in the Chapter and in ASHRAE, and do not take up a great deal of time.

We look forward to seeing everyone at this month's meeting. Season's Greetings, and Happy Holidays!

Thank you,
Devin Shapley

Chapter President



Devin Shapley
(607) 723-9421
[Email Me!](#)

2020-2021 Chapter Officers

President-Elect
Adam Keller
(315) 484-9526
[Email Me!](#)



Vice President
Matthew Lloyd
(607) 239-3956
[Email Me!](#)



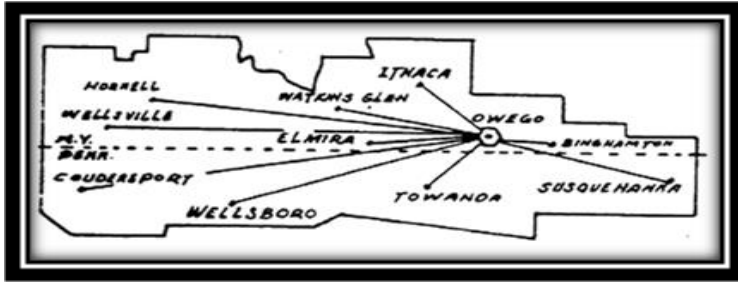
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Twin Tiers Chapter

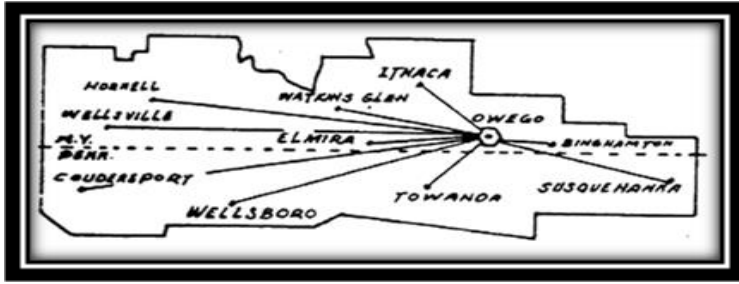
Presidential Award of Excellence (PAOE)

	Chapter Operations	Chapter Technology Transfer	Electronic Communications	Grassroots Government Activities	Historical	Membership Promotion	Research Promotion	Student Activities	Young Eng. In ASHRAE
MIN/ PAR	600/1200	550/1050	300/700	500/650	100/300	500/800	800/1050	500/800	300/800
Current	100	250	0	50	240	895	1020	200	700

POINTS CURRENT AS OF 12/14/2020

Chapter Committee Chairs

Technology Transfer Adam Keller (315) 484-9526 Email Me!	Government Activities Adam Keller (315) 484-9526 Email Me!	Refrigeration Rob VanSkiver (585) 591-8168 Email Me!	Golf & Clambake Outing Michael McGinnis (607) 727-3168 Email Me!
Membership Promotion Chris Wolak (484) 350-1954 Email Me!	Nominating Devin Shapley (607) 723-9421 Email Me!	Meeting Reception Victoria Kramer (607) 321-6127 Email Me!	H.O. Ward Scholarship Richard Sanguinito (607) 231-6605 Email Me!
Research Promotion Michael McGinnis 607.727.3168 Email Me!	Student Activities Jason Gilbert (607) 777-2240 Email Me!	Membership Directory Chris Wolak (484) 350-1954 Email Me!	Albern Education Fund Jason Gilbert (607) 777-2240 Email Me!
Honors & Awards Devin Shapley (607) 723-9421 Email Me!	Historian Richard Sanguinito (607) 231-6605 Email Me!	Symposium– Fall/Spring Matthew Lloyd (607) 239-3956 Email Me!	Auditing Rick Sanguinito & Andrew Nice (607) 231-6605 / 607-760-5960 Email Me!
Webmaster Petros Papathomopoulos (607) 723-9421 Email Me!	Newsletter Editor Andrew Nice 607-760-5960 Email Me!	YEA: Young Engineers Kyle Nedlik (607) 321-6100 Email Me!	Publicity Andrew Nice 607-760-5960 Email Me!



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Twin Tiers Chapter– Monthly Meeting Information

2020-2021 Meeting Dates:

Date:	Speaker	Tech Session Topic, Tour or Meeting Info	Attendance:
22-Sep	Mark Davidson - Camfil USA	The Role of Air Filters in the Filtration and Disinfection COVID-19 Document	-
TBD	Multiple/TBD	Fall Engineering Symposium - VIRTUAL	-
17-Nov	Amir Refaat - Systemair	The Sound of Teaching: Bringing IQ back to the Classroom	-
15-Dec	Stephanie H. Taylor MD, M Architecture, CIC, FRSPH (UK)	Buildings Are Our Best Medicine	-
19-Jan	Binghamton Arena / Hockey Game	Binghamton Arena Tour Membership Promotion Night	-
16-Feb	Speaker: TBD	Binghamton University Tour Student Night / YEA	-
16-Mar	Panel Discussion Meeting	Student Night / YEA	-
20-Apr	Multiple/TBD	Spring Engineering Symposium—Daytime	-
18-May	New Brewery Tour	Refrigeration / Donor Recognition Night	-
15-Jun	None	Golf Tournament	-

NOTE: Speakers and topics are subject to change based on availability.

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

December Chapter Meeting Announcement

December 15, 2020

ASHRAE Twin Tier December Chapter Meeting

- DATE:** Tuesday, December 15th, 2020
- TIME:** 12:00 (noon) PM
- MEETING LOCATION:** Virtual Meeting
- SPEAKER:** Stephanie H. Taylor MD, M Architecture, CIC, FRSPH (UK)
ASHRAE Distinguished Lecturer, Epidemic Task Force, Environmental Health Committee
Harvard Medical School InciteHealth Fellow
- DESCRIPTION:** Our lives have been in tremendous upheaval from a mutated virus in the Corona-virus family. Many unanswered questions about disease transmission, mortality rates and our own immune response have resulted in uncertainty and confusion about how we should be behaving and managing our indoor environments. Thankfully, we have a solid foundation of scientific data from studies in microbiology, medicine and the indoor environment that can guide us.
- Dr. Taylor will present studies on building interventions that have dramatically improved the health of human occupants while decreasing the threat of microbial pathogens such as COVID-19. Proper building management is the key to protecting everyone's health, both now and once this pandemic has passed. While you may think that all physicians are boring, please attend this webinar anyway so that we can begin to bridge the divide between our professions. You are essential in harnessing the power of the indoor environment to keep us safe and healthy during COVID-19 and beyond.
- AGENDA:** 12:00 – 12:10: Chapter Announcements, Meeting Introduction
12:10 – 1:00: Presentation
1:00 – 1:15: Questions
- REGISTRATION:** [REGISTER HERE!](#)
- CONTACT:** Adam Keller
(Please call, text, or email me at below with any questions or if you get lost)
E: [Email Me!](#)
C: (315) 484-9526



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

ASHRAE Twin Tiers Chapter Research Promotion

Dear ASHRAE Twin Tiers Member or Research Promotion (RP) Supporter,

As the RP Chair and a fellow member of the Twin Tiers Chapter, I wanted to personally ask you for your help in supporting ASHRAE Research. ASHRAE's research program, established in 1912, supports 140 research projects with a combined value of more than \$15 million. Research focus includes energy and resource efficiency, indoor environmental quality, design, operation and management tools, alternative technologies, and materials and equipment. This year in particular, research dollars have been used to help study and provide recommendations to prevent the transmission of COVID-19. ASHRAE RP is accepting donation to go directly to COVID-19 research (see below).

For ASHRAE COVID-19 Technical Resources:

<https://www.ashrae.org/technical-resources/resources>

For Research Information please see the following flyer:

[ASHRAE RP Informational Flyer](#)

You can either donate directly with a credit card, see link below:

ASHRAE RP: <https://xp20.ashrae.org/secure/researchpromotion/rp.html>

ASHRAE COVID RP: <https://xp20.ashrae.org/secure/foundation/covid.html>

or send a check to:

ASHRAE Research Promotion
Attn: Julia Mumford
180 Technology Parkway
Peachtree Corners, GA 30092

Make check payable to "RP Donation-ASHRAE Twin Tiers"

The chapter sends a huge **Thank You** to the following who have donated last year:

- Mark Mattina – Honor Roll
- Glenn Roberts – Honor Roll, Full Circle
- Adam Keller – Full Circle
- Kyle Nedlik – Full Circle
- Devin Shapley – Full Circle
- Art Monoco
- Victoria Kramer – Full Circle
- Matt Lloyd – Full Circle
- Matt Hawley
- Plumbers and Pipe Fitters Union 112 – Honor Roll
- Joe O'Hara
- Southern Tier Custom Fabricators – Honor Roll
- Ray Millard
- Mike McGinnis – Honor Roll, Full Circle

As a reminder, starting 7/1/2019, Honor Roll level contributions listed in ASHRAE's October Journal Issue start at \$150.00 for individuals and \$500.00 for companies. Honor Roll level is required to achieve the ASHRAE coin.

Email me or come see me (virtually) at a Chapter Meeting if you have any questions.

Mike McGinnis
Twin Tiers Research Promotion Chair
[Email Me](#)



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Twin Tiers Chapter - November BOG Meeting Minutes



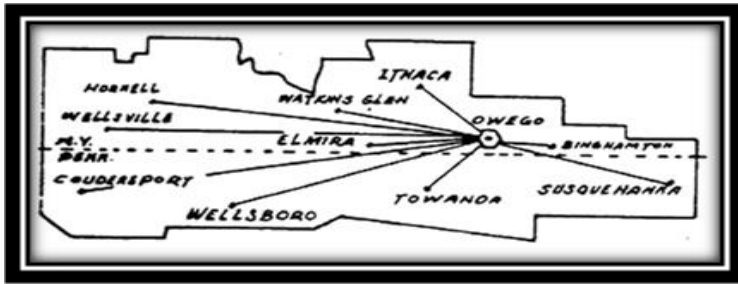
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Board of Governors Meeting
Date: November 17, 2020
Location: Video Conference Call

Agenda

Meeting was called to order at: 4:03

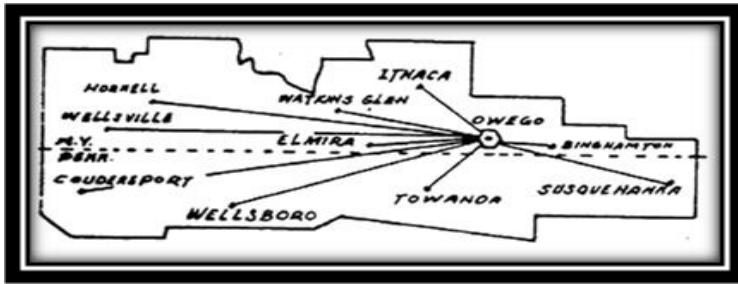
- Call to Order and Attendance:
 - Attended: (12) Devin Shapley, Jason Gilbert, Rick Sanguinito, Chris Wolak, Adam Keller, Rob VanSkiver, Matt Lloyd, Victoria Kramer, Mike McGinnis, Kyle Nedlik, Alison Kran, Dana Schmidt
- Item to Discuss:
 - Vote to approve the October Meeting Minutes: Devin Motioned, Victoria Seconded
 - Open Floor:
 - November Meeting Turnout with fee
 - Made \$50. Turnout hasn't been as strong as past webinars- \$5 charge? Enough PDH credits? Loss of interest? Being sent to spam/junk mail?
 - Update Twin Tier Website for all upcoming events
- Treasurer's Report (Victoria Kramer):
 - Account Balances
 - All accounts are in good standing.
 - Tax documents signed by Devin and Victoria, checks sent.
 - Develop plan and fill out paperwork to update authorized signers
 - Waiting on clam bake report? -Mike to forward Travis' email to Victoria
 - Mike to cash Golf checks
 - Mailed back \$50 check to Lynn-under audit fee
 - Loss (\$0.45) went setting up Paypal
 - Chapter IN = Chapter wide account/newsletter/RP/business cards/ golf
 - Other audit outcomes= receipts missed, but accounted for, other than that clean
 - Victoria sent out reimbursement- Everyone can expect checks next week
 - M&T- Still need authorized signers. Devin to email Adam documents to be signed → Adam to sign and mail to Victoria
- CTTC (Adam Keller/Matt Lloyd):
 - Update on the year's proposed calendar of events
 - December: Past presidents
 - Rick: History display- Same as CRC, composition of old photos.
 - \$5 fee for webinar registration
 - Keep \$5 fee for next virtual monthly meeting
 - Get out early to let everyone, including past presidents know
 - Most likely no in-person for at least next 3 or 4 meetings → Adam to try to set up in-person meetings
 - Prerecorded videos- Jason offered to tour mechanical room at BU
 - Students to come back end of January/early February



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Twin Tiers Chapter - November BOG Meeting Minutes (Cont.)

- YEA (Kyle Nedlik):
 - Update on future event
 - Late February-May: Panel and video tours? March?
 - Jason to offer extra credit
 - If we do virtual tour, we should do a test run. To avoid kinks do prerecorded video.
 - Set up another meeting to discuss
 - Panel- for a variety of job fields, a variety of mechanical systems, work life balance,
 - Set up separate planning group
 - Library of ~5 minute videos to detail different equipment. Focus on larger pieces of equipment, more interesting.
 - List of equipment, locations, assigned person
 - 6-8 pieces of equipment w/ questions to fit time span
 - Kyle to send follow up/sign up list.
 - Focus on more systematic view vs individual pieces of equipment
 - Jason to send Kyle list of equipment
 - Follow up meeting
- Membership Promotion (Chris Wolak):
 - Sent out delinquency report- Still following up on a few
- Research Promotion (Glenn Roberts / Mike McGinnis):
 - Need to hit 30% of goal by December first for 200 points
 - \$900 from full circle and \$500 from golf → \$1,400
 - Need \$2,250
 - Board to advance \$1,000
 - Motioned, All approved
 - Take \$1,000 as OUT in RP
 - Pay back in superbowl/golf/advertisement
- History (Rick Sanguinito)
 - To get letters out for next month
 - Got PAOE points from CRC
 - Need to work on scholarship
 - Still ask for applications but won't be handing out in person
- PAOE (Devin Shapley): See below (as of 11/16/2020)
 - Reminder to chairs that they can update PAOE points.
 - Please review any points that are to be assigned by the region and reach out to the responsible person as required
 - Devin to extend meeting by 30 minutes and screen share



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Twin Tiers Chapter - November BOG Meeting Minutes (Cont.)

CATEGORY	PAR	MIN	PTS
<u>Chapter Operations*</u>	1200	600	100
<u>Chapter Technology Transfer*</u>	1050	550	250
Communications	700	300	0
<u>Governmental Affairs*</u>	650	500	0
Historical	300	100	240
<u>Membership Promotion*</u>	800	500	695
<u>Student Activities*</u>	800	500	200
<u>RP*</u>	1050	800	430
<u>YEA</u>	800	300	700
Total	3/6 and 5/8	8/8	

Pts – Have NOT Achieved Min

Pts – Have Achieved Min, but not PAR

Pts – Have Achieve PAR

- PAOE: Minimum in 5 of the following 6 categories: Chapter Operations, Chapter Technology Transfer, Governmental Affairs, Membership Promotion, RP and Student Activities - **Incomplete**
- Special Citation: Minimum in 5 of the 6 categories, with a minimum of 5,500 points - **Incomplete**
- STAR: PAR in all categories - **Incomplete**
- Honor Roll: PAOE for at least four consecutive years - **Incomplete**
- High Honor Roll: STAR for at least four consecutive years - **Incomplete**
- Premier: PAOE every year since the chapter's inception or since 1970; minimum of four years; chapter's first year is excluded - **Incomplete**

• New Business

- ASHRAE trainings/certification → Buy a course and share with YEAs? Instruction lead courses
 - Kyle to look into
- Microsoft Money (discontinued?) needed when running audits
- Devin to look into other options
- Business cards- RP

Meeting was adjourned at 4:50

Motioned: Devin

Second: Kyle

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What Were They Thinking???



Any got a formula to calculate the pressure drop in this duct?

**Do you have a funny, “unique”, or just plain horrible installation picture?
Please send them to the Editor at anice@meiersupply.com**

***** All names/brands are removed to protect the guilty. *****



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TRAINING



New York State Professional Engineers **Self Study Ethics PDH Available!**

As a licensed professional in New York State, it is your professional responsibility to know the legal and ethical requirements governing the practice of your profession and to be alert to changes in those requirements. The New York State Board for Engineering and Land Surveying, in an effort to help you stay abreast of your professional responsibilities, has developed this short, self-study educational activity in ethics.

This educational activity is based on the New York State Education Law Articles 130 and 145, the Rules of the Board of Regents Parts 1, 3, 17, 18, 28, 29, 31, and the Regulations of the Commissioner of Education Parts 59 and 68. It is strongly recommended that, prior to taking the self test, you review these [foundational materials](http://www.op.nysed.gov/prof/pels/pelaw.htm) (<http://www.op.nysed.gov/prof/pels/pelaw.htm>) on the engineering web site.

Once you have reviewed the foundational materials, proceed to complete the self test below. When you have completed the self test, click the "Get your score" button at the bottom of the page. You should print this screen and save it as evidence of satisfactory completion of this educational activity. A score of 90% or greater will allow you to claim 1 Professional Development Hour (PDH) of educational activity credit in ethics ONCE in each three-year registration period. Retain your printed screen for no less than 6 years from the date of completion.

Take Your PE Ethics Self Test Here!

<http://www.op.nysed.gov/prof/pels/peceselftest.htm>



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TRAINING



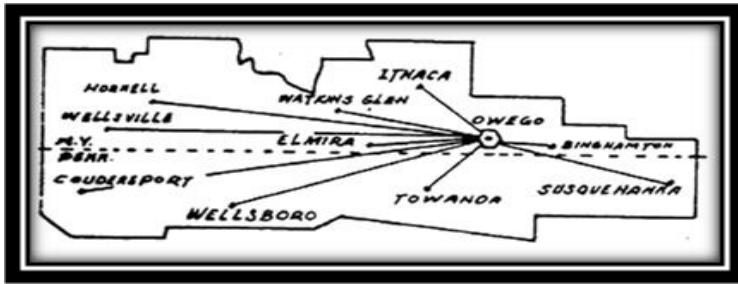
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TRAINING



News

FOR IMMEDIATE RELEASE

Media Contact:

Karen Buckley Washington
Public Relations Specialist
kbwashington@ashrae.org

ASHRAE Learning Institute Releases New HVAC Design Training Schedule

Registration now open

ATLANTA (November 16, 2020) – **Registration** is now open for HVAC Design and Operations training through ASHRAE Learning Institute (ALI). The training will run from December 2020 through June 2021.

"As technology continues to change, the need for training that incorporates the latest building performance solutions will become critical," said 2020-21 ASHRAE President Chuck E. Gullett III, P.E. "ASHRAE's HVAC Design training offers comprehensive professional development that is useful in addressing the today's industry challenges."

In light of COVID-19 and the safety of ASHRAE course participants, the HVAC Design trainings will be held online.

HVAC Design: Level I – Essentials provides intensive, practical training ideal for recent technical or engineering school graduates and engineers new to the HVAC field. Developed by industry-leading professionals selected by ASHRAE, the training provides attendees with the fundamentals and technical aspects of HVAC design, installing and maintaining HVAC systems, that can be put to immediate use.

HVAC Design Level II – Applications provides instruction in HVAC system design for experienced HVAC engineers and those who have completed the

HVAC Design: Level I – Essentials. The training covers the technical aspects of design and methods to increase energy savings through innovation in HVAC design.

[MORE INFORMATION & REGISTRATION HERE!](#)

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

Twin Tiers Chapter– Business Cards Advertisement for Newsletter

ADVERTISE your business card:

- Current business card adds will expire at the end of this year, December 31, 2020.
- New subscription will run the calendar year 2021.
 - Cost to advertise for the 2021 year is \$50.
- Sign up now for the 2021 year On Pay Pal <http://twintiers.ashraechapters.org/page-newsletter.html>

Or Send Check and copy of business card to Twin Tier News Letter Editor:
Meier Supply Co.
Attn: Andrew Nice
275 Broome Corporate Parkway
Conklin, NY 13748

- Email a copy of your business card to [Twin Tier Newsletter Editor Email](mailto:Andrew.Nice@meiersupply.com).

From Web site please visit: <http://twintiers.ashraechapters.org/page-newsletter.html>

Go to the News Letter tab, and place your order to advertise your business card.

Business Card Advertising 2021

The Twin Tiers Chapter of ASHRAE can accept business card advertising with the following provisions:

- The company must be associated with HVAC&R technology.
- The company must be a local service provider, a local manufacturer, or a manufacturer's representative serving the area.

If you aren't sure, just ask.

We are now accepting business card advertisements for the newsletters that will be published in 2021. This is a great opportunity to get your name and business in front of the over 250 subscribers to our chapter newsletter. The price for the newsletter only is \$50 for the entire 2021 year.

Business card ads can be placed using a scanned electronic copy of your business card, or you can mail your card to me (please no staples or paper clips).

Questions? Call or email
Thank you for your support!
Andrew Nice

[Twin Tier Newsletter Editor Email](mailto:Andrew.Nice@meiersupply.com)

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



Comments? Suggestions?

Andrew Nice, Editor
c/o Meier Supply Co.
275 Broome Corporate Parkway, Conklin, NY 13748
anice@meiersupply.com

We welcome your feedback!



ASHRAE Mission Statement

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

Ethics Requirement for PE

PE's in NYS will be required to have one hour of Ethics within their 36 hours of continuing education for registration periods beginning August 1, 2011 and after.

ASHRAE Vision Statement

ASHRAE will be the global leader in the arts and sciences of heating, ventilation, and air conditioning.

ASHRAE will be foremost authoritative, timely, and responsive source of technical and education information, standards and guidelines.

ASHRAE will be the primary provider of opportunity for professional growth, recognizing and adapting to changing demographics, and embracing diversity.

***Advancing HVAC&R to
serve humanity and pro-
mote a sustainable world"***

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