



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 2016-2017



Shaping Tomorrow's
Built Environment Today

October Meeting

Oct. 18, 2016

Presentation:

Advancements in Pumping & Motor Efficiency

Stan Kutin, Bell & Gossett

TWIN TIERS TALK



To register, visit the Chapter website:

<http://twintiers.ashraechapters.org>

Please send all newsletter comments to:

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

[Email the Editor](#)

Inside this issue:

President's Corner	2
PAOE	3
Chapter Events Calendar	4
Chapter Meeting Details.	6
BOG Meeting Minutes	9
Training Events	17
Employment Opportunities	26

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



President's

Corner

Dear ASHRAE Members,

I would like to thank Meier Supply for their hospitality last month for our meeting. The meeting was well attended and for those of you who were able to make it there were barbeque leftovers to take home. Thanks to Petros for organizing a great meeting and tour.

I recently came across one of the mass membership emails sent out by corporate ASHRAE and it contained a message from our President Mr. Timothy Wentz. His statements in the message reminded me the reason we pay for a membership and volunteer our time. Yes the presentations are great and the tours are magnificent, but the relationships you gain by attending meetings is priceless.

Also, I wasn't aware until recent but did you know you can access all the ASHRAE handbooks online as a member? I have it bookmarked on my desktop now and it is a great tool. You can keyword search all the handbooks at once, view and print all the tables to quickly get the design information and references you need. If you haven't already check it out: <http://handbook.ashrae.org/Handbook.aspx>. All you need to use is your ASHRAE log in. Another great reason to join ASHRAE!

It looks like Petros has us going back to school this month, so get your graphing calculators and notepads out. We have the pleasure of hosting a pump presentation where Stan Kutin will be discussing pumps and associated motor efficiencies. With the continued advancement of ECM motor technology I am excited to see what Stan has to say. I hope you all can attend!

Thank you to all of you who support and volunteer your time for ASHRAE,
-Travis
Twin Tiers Chapter President

Chapter President



Travis R. Fisher
(607) 255-5608

[Email Me!](#)

2016-2017 Chapter Officers

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Twin Tiers Chapter

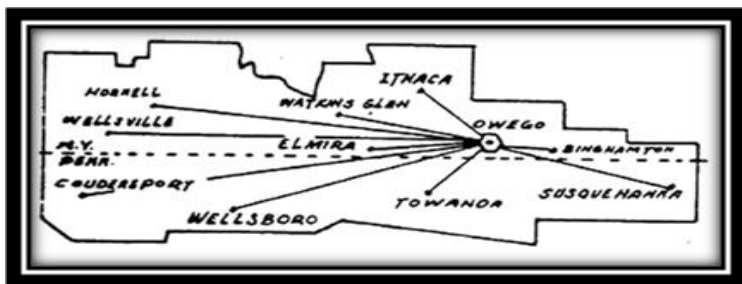
Presidential Award of Excellence (PAOE)

	Chapter Operations	Chapter Technology Transfer	Grassroots Government Activities	Historical	Membership Promotion	Research Promotion	Student Activities
MIN/PAR	600/1200	450/1050	500/650	100/300	500/800	800/1050	300/500
Current	435	0	0	230	430	0	100

POINTS CURRENT AS OF 10/10/2016

Chapter Committee Chairs

Technology Transfer Petros Papathomopoulos (607) 723-9421 Email Me!	Government Activities Doug Breese (585)402-7090 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 Andrew Nice 607-760-5960 Email Me!	Meeting Reception Kyle Nedlik (607) 321-6100 Email Me!	H.O. Ward Scholarship Jason Gilbert (607) 777-2240 Email Me!
Research Promotion Glenn Roberts (315)234-1527 Email Me!	Student Activities Jason Gilbert (607) 777-2240 Email Me!	Membership Directory Chris Wolak (484) 350-1954 Email Me!	Albern Education Fund Richard Sanguinito (607) 231-6605 Email Me!
Honors & Awards Doug Breese (585)402-7090 Email Me!	Historian Richard Sanguinito (607) 231-6605 Email Me!	Symposium– Fall/Spring Petros Papathomopoulos (607) 723-9421 Email Me!	Auditing Rick Sanguinito & Jason Gilbert (607) 231-6605 Email Me!
Webmaster Mike Colwell (607) 724-8282 Email Me!	Newsletter Editor Andrew Nice 607-760-5960 Email Me!	YEA: Young Engineers Devin Shapley (607)723-4979 Email Me!	Publicity Andrew Nice 607-760-5960 Email Me!



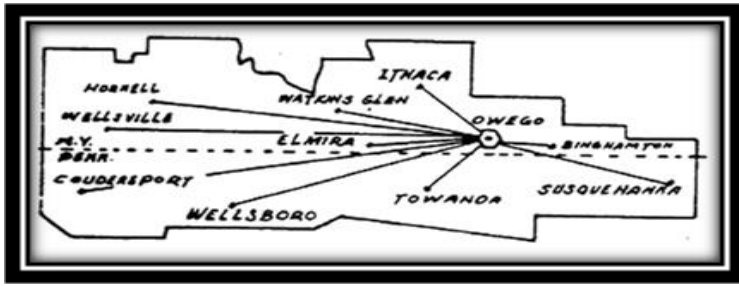
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Twin Tiers Chapter– Monthly Meeting Information

2016-2017 Meeting Dates:

Date:	Speaker	Tech Session Topic, Tour or Meeting Info	Attendance:
20-Sep	Andy Nice, Meier Supply Co.	VRF Training Center Tour and Properly Specifying VRF Presentation	21
18-Oct	Stan Kutin, Bell & Gossett	Advancements in Pumping & Motor Efficiency	
15-Nov		Tour of Ardagh Group LEED Canning Facility	
20-Dec	Theodore Firnstein, Siemens	Green Lab Solutions (PDH)	
17-Jan	R. Vijayakumar, Ph.D. ASHRAE Distinguished Lecturer	Basics of Cleanroom Design Themes: Past President, Membership Promotion, Donor Recognition, History	
21-Feb	Mike Gavin, REHAU Inc	Snow and Ice Melting Systems (PDH) Theme: Refrigeration	
21-Mar	Jason Gilbert, Binghamton University	Binghamton University Tour Themes: Student Night, YEA, History	
18-Apr	Multiple/TBD	Spring Engineering Symposium—Daytime	
16-May	Jason Gilbert, Binghamton University	Binghamton University Tour Themes: Student Night, YEA	
20-Jun	None	Golf Tournament	

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



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

Membership Promotion Message

Chapter Membership Promotion

Chris Wolak

As we begin a new chapter year I would like to remind everyone that ASHRAE has two different membership grades: Associate and Member. Full member status is available to all members with 12 years of experience in the industry. This includes any post high school education. For example, if you have eight years' experience in the industry and hold a bachelor's degree, you would be available for full member status. If you have the required experience, all you need to do is to upgrade your bio at ASHRAE.org and send me a note once its updated. Since we started the new year, the following associate members have been upgraded to full member status:

Glen Roberts
Petros Papathomopoulos
Joe Parisella
Mike McGinnis
Travis Fisher
Rob VanSkiver

Our chapter roster indicates that we have 25 members over the age of 32 that are associate status, next time you renew your membership please take a few minutes to update your bio.

Chris Wolak
Twin Tiers Membership Chair

[Email Me](#)



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October Meeting Announcement

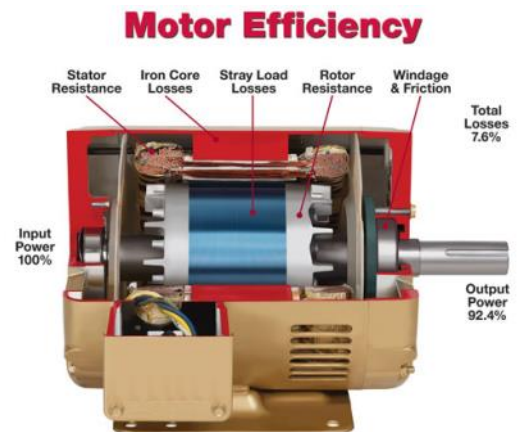
October 18, 2016

October Chapter Meeting

Presentation/Speaker: Advancements in Pumping & Motor Efficiency

Stan Kutin (Bell & Gossett)

Description: The presentation will go over recent advancements in pumping and motor efficiency and will help attendees understand proposed pump efficiency regulations, recognize motor efficiency changes, describe ECM technology, identify control area vs control curve and evaluate sensor less pump control.



Presenter: Stan Kutin

Stan holds a mechanical engineering degree from University of Illinois and is LEED certified. Stan is currently an instructor at Bell & Gossett's Little Red Schoolhouse where his responsibilities include supporting and developing content for a wide variety of training initiatives, including instructor-led seminars conducted at the LRSH, ASHRAE Seminars, Union Apprentice Schools and other field instruction. Stan has been instrumental in establishing the Bell & Gossett web-based on-demand training; technical manual updates; and training videos. He has 19 years of experience with Bell & Gossett. In addition to time as an instructor in the LRSH Stan has supported the development of new commercial high efficiency pump products and flow control / measurement valve products. He is involved as an attending member of ASHRAE TC 6.1 Hydronic and Steam Systems.





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

October Meeting Announcement

October 18, 2016

October Chapter Meeting

DATE:	Tuesday, October 18th, 2016
TIME:	5:30PM
MEETING LOCATION:	The Owego Treadway Banquet & Conference Center, 1100 State Route 17C Owego, New York 13827
SPECIAL EVENT:	N/A
SPEAKER:	Stan Kutin - Bell & Gossett
AGENDA:	5:30 – 6:00 – Dinner, Presentation, and Brief Chapter Meeting
MENU:	Buffet Dinner
REGISTRATION:	Register online at http://twintiers.ashraechapters.org/ (Under the "Programs" Tab) \$25.00 Early Registration (By 10/14/2016) \$30.00 (After 10/14/2016)
CONTACT:	Petros Papathomopoulos (Please call, text, or email me at below with any questions or if you get lost) E: Email Me! C: (607) 725-6900

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2016 Business Cards



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Twin Tiers Chapter – September BOG Meeting Minutes

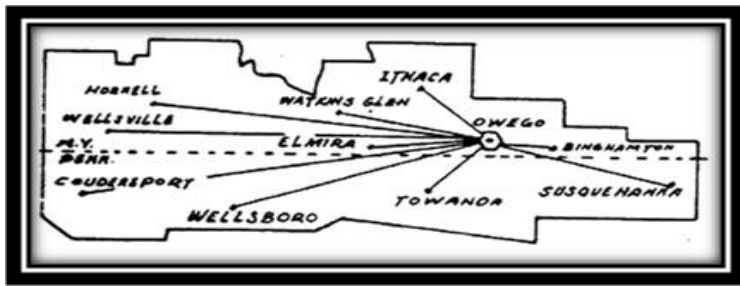
ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
TWIN TIERS CHAPTER (<http://www.twintiers.ashraechapters.org/>)

Board of Governors Meeting Minutes
 Date: Tuesday 09/20/2016 @ 4:00 PM
 Location: Meier Supply, Conklin NY

MEETING MINUTES

The meeting was called to order at: 4:11 pm Motion by: Travis Second by: Andy

1. Call to Order and Attendance:
 - a) Attendance: Travis Fisher, Petros Papathomopoulos, Andrew Nice, Mike McGinnis, Kyle Nedlik, Chris Wolak, Rick Sanguinito, Adam Keller, Jason Gilbert, Victoria Kramer, Glenn Roberts, Devin Shapley
2. General Announcements – Travis Fisher
 - a) Thank you to Andy Nice and Meier Supply for putting together a meeting and tour on short notice
 - b) CRC Report
3. Treasurer's Report – Kyle
 - All accounts are in good standing.
 - Jason requests principle be on report
We received a thank you letter from last year's recipient Ryan Phillips
 - William & Joan Albern: Travis to set up online access.
 - Audit: Reviewed by Doug Breese. Comments incorporated? Travis contacted Thompkins process underway for online access to scholarships, Jacob needs Feb 16 H.O. Ward statement. Audit Committee deadline was September 1st, where are we with this?
 - Thompkins – We need to send a new Corporate Resolution, need to remove Doug if he is on there.
 - Kyle – Needs? Update from meetings with Petros/Jake?
 - M&T account setup – Mike M. has form, Travis has signed, Kyle sent copy of DL. Mike, Petros and Kyle to sign form before end of meeting
 - CRC – Society to issue \$800 refund for CRC mix-up, have we seen this come through?
 - Doug – Has cancelled card.
 - \$900 HO Ward reimbursement to M&T for scholarship – I believe we agreed at the last meeting to leave this in the HO Ward account correct?
 - Please add HO Ward Fund baseline to the treasurer's report.
 - Need receipt for 9/20 Wal-Mart expenditure (\$16.79) – Soft drinks/cups for today's meeting?
 - Handoff of Paypal gizmo and nametag binder.
4. CTC – Mike/Petros
 - a) DL Information – It looks like we have 1 established for January at Cornell. Please update.
 - b) Monthly Meetings – Calendar needs to be updated by September 30th to reflect at least through December for speakers and locations.

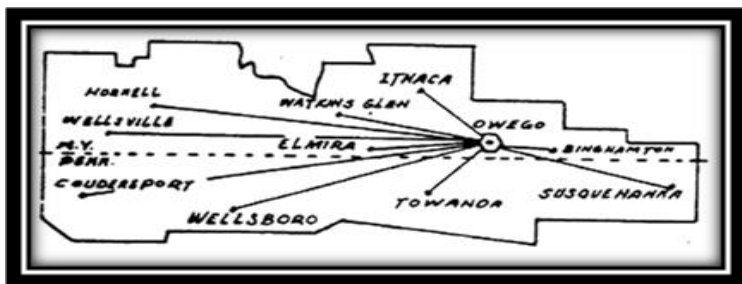


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Twin Tiers Chapter– July BOG Meeting Minutes

- ☐ Do we have someone lined up for October? Stan Kutin of the B&G Little Red Schoolhouse?
- ☐ Updates on Vijay to present for January? Petros please provide details on presentation so Travis can coordinate Cornell accommodations.
- ☐ Other options: Pipe fitting, Southern Tier Custom Fab, Mechanical Testing presentation, Langley presentation, ASPE joint meeting, possible online web-hosted PDH presentation?
- ☐ MVR tour/presentation at Cornell.
- c) Fall Symposium
 - ☐ The plan is to replace this with a general meeting (B&G)?
- d) Spring Symposium Kyle to provide budgets
 - ☐ Updates on a potential new inviting venue?
 - ☐ Holiday inn Binghamton?
 - ☐ Petros and Travis send speaker list to Mike
- 5. YEA – Devin/Victoria
 - a) We need to establish 2 events for the year. Any ideas for the first event?
 - ☐ Water Street Brewing? Looking to set up first event for Oct/Nov
 - ☐ Maybe drinks/social hour after B&G schoolhouse?
- Add section for Membership Promotion.
- 6. PAOE Responsibility – Travis Fisher
 - a) PAOE duties during the year.

Expectations		Current	PAR	Max
Membership Promotion	Chris Wolak	355	500	800
Student Activities	Jason Gilbert	100	300	500
Research Promotion	Glenn Roberts	0	800	1050
Historical	Rick Sanguinito	50	100	300
Chapter Operations	Travis Fisher	435	600	1200
Chapter Technology Transfer	Petros Papathomopoulos	0	450	1050
Grassroots Government Activities	Petros Papathomopoulos	0	500	650
- Petros to publish calendar of events.
- 7. Old Business
 - a) PayPal: Kyle
 - 1. Do we need to change account name again for this year?
 - 2. Non-profit Status – We are a 501(c)(3) Charitable Organization. Per Lynn/Kyle, we are in good standing as long as we file taxes every year.
 - 3. Tax Exempt Status – Are we in good standing? I know Lynn sent us a bunch of links to the IRS website, should we save these somewhere for new incoming treasurers?
 - b) Student Scholarships: Jason/Rick
 - 1. Withdrawal for refund to Chapter in fall after audit - Rick
 - 2. Did we contact BOCES to reach out to local high schools?
 - 3. Update on Student Chapter at Cornell.



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

Twin Tiers Chapter– July BOG Meeting Minutes

4. Who is eligible, what do the applicants need to do, and what is the deadline?
5. When and who selects the winner(s)?
6. How do we announce the winners and how do we disperse the scholarship(s)?
7. Add a scholarship page to the website.

Jason would like to reimburse membership fees for students who are successful chapter officers.

- c) Member Shirts: Andy – Are we still doing this? **Yes, we would like a new shirt each year.**
 - Shirts will be given to members who are attending the CRC & Members with attend ½ of the Meetings.
 - Current free shirt count: 0
 - Shirt lead time 1 - 2 Weeks
- d) Region 1 CRC: Travis
 - Meeting follow up
 - Go over key points from notes

8. New Business

- a) Gmail Account
 1. Have contacts been populated?
 2. Go over main use and limitations.
 3. Do we need to update Twin Tiers Contact info on website, newsletter, and other places?
 4. Who should take ownership of this?
 5. Thinking if it is central, we all can add to the contact list.
 6. Only have names and e-mail, on phone numbers, addresses, or other info
 7. Still do the BCC when sending out blast
 8. Limit access to the account
 9. Membership can add e-mails when people sign up
 10. Newsletter can send out newsletter when done and not wait for me to get to it
 11. Meeting announcements can be issued when done and not wait for me to get to it
 12. Registration for bank statements?
- b) OneDrive Folder Structure
 1. I am looking for better more efficient ways to hand off officer duties. I feel we should start compiling templates and officer information on the OneDrive account. Set up a folder for each officer/CTTC chair to do a better job of documentation. Thoughts?
 2. In general is OneDrive used, are there other better cloud drive services?

Meeting adjourned at 5:00 Motioned by: Travis Second by: Petros



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

History Report - September Meeting Summary



By
Rick Sanguinito Historian 2016-2017

SEPTEMBER Meeting Summary

Date: September 20, 2016

The September 2016 meeting was a tour and presentation related to VRF systems. The chapter toured the Meier Supply VRF Training Center in Conklin New York. The Training Center houses over 20 tons of live VRF and ductless equipment. The systems are all operational to support training, testing, hands on demonstration, and system troubleshooting.

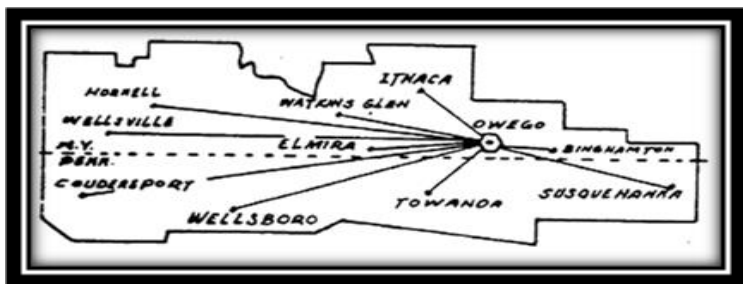
The presentation was provided by Meier Supply, to explain the operation of the VRF system and to field any questions on operation or installation.



PHOTO 1 - BOARD MEETING



PHOTO 2 - ANDY INTRODUCING SPEAKER
ED BRNIK ON VRF TRAININGS



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History Report - September Meeting Summary



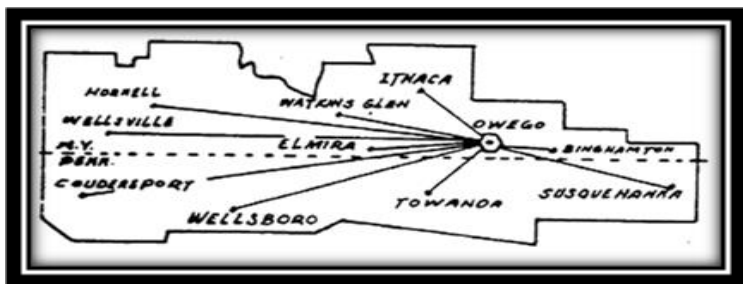
PHOTO 3 - MEMBERS EXPLORING THE VRF EQUIPMENT SET UPS / DISPLAYS



PHOTO 4 - ED BRINK GOING OVER THE OUTDOOR UNITS OF THE VRF SYSTEMS



PHOTO 5 - FOOD AND FIRE BBQ BUFFET



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

History Report - 2016 CRC Summary



PHOTO 6 - ANDY NICE BEING PRESENTED THE BLACK INK AWARD FOR 2015-16



PHOTO 7 - TRAVIS FISHER PRESENTING THE CHAPTER TECHNOLOGY TRANSFER CHAPTER PROGRAM STAR AWARD HONORABLE MENTION

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2016 Business Cards

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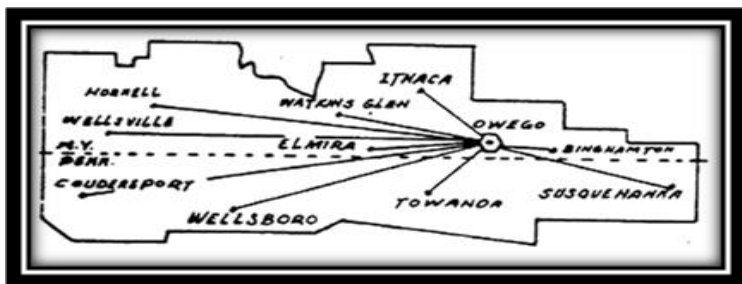
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What Were They Thinking???



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!**

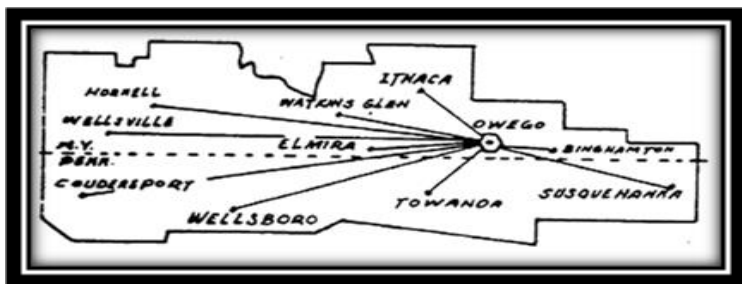
As a licensed professional in New York State, it is your professional responsibility to know the legal and ethical requirements governing the practice of your profession and to be alert to changes in those requirements. The New York State Board for Engineering and Land Surveying, in an effort to help 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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INDUSTRY ARTICLE

Governor Cuomo Announces Groundbreaking on \$12.5 Million Affordable Housing Complex in Corning

www.governor.ny.gov

By Press Office of NYS Governor Aug. 11, 2016

Governor Andrew M. Cuomo today announced that construction has begun on Lamphear Court Apartments, a new 60-unit affordable housing development at 77 Lamphear Court in Corning, NY. The new three-story building will feature 48 one-bedroom and 12 two-bedroom apartment units – 22 of the units will be designated for people in need of supportive housing services. The development is part of Governor Cuomo's unprecedented commitment to affordable housing and community renewal, which includes \$20 billion for comprehensive statewide affordable housing and homelessness action plans.



"Affordable housing is critical to strengthening Upstate communities and growing local economies," **Governor Cuomo said.** "Every New Yorker needs and deserves a safe and affordable place to call home, and Lamphear Court Apartments is the latest development to make that a reality. This administration is continuing to support resurgent communities across the state, and today we are putting that commitment into high-gear in the Southern Tier."

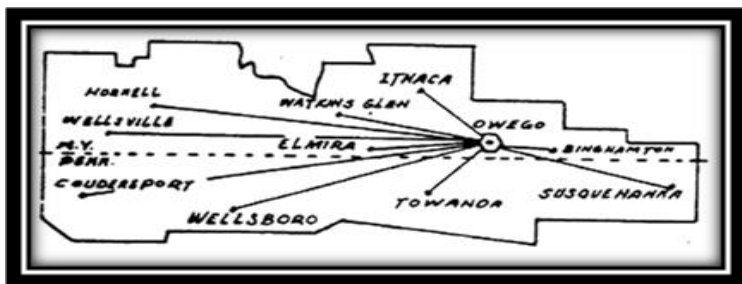
Lamphear Court Apartments:

Consistent with the City of Corning's Master Plan and the Corning Housing Strategy, the new complex will significantly improve available housing options, and provide energy-efficient, modern apartments in an area that formerly contained antiquated and dilapidated housing.

Apartments will be available to eligible low-income individuals and families, and individuals with serious and persistent mental illness who require supportive services, yet would benefit from living independently in an integrated environment.

Support program offices will be co-located on site to foster improved health outcomes in place of repeated costly hospitalizations for high-need Medicaid clients. The gross rents (rent plus utilities) will range from \$531 to \$725 a month, and will be affordable to households with incomes at or below 60% of the area median income.

Homes and Community Renewal Commissioner James S. Rubin said, "When we finance new affordable developments, we look to create vibrant and lasting mixed-use developments that strengthen the community and are in keeping with their own needs, goals and aspirations for growth. That is the core of Governor Andrew Cuomo's housing and community development philosophy, and this is borne out in our programs and practices. Since 2012, the State has invested more than \$3.1 billion in growing the region's economy. HCR continues to make investments that create the opportunity for more people to live in high-quality affordable homes, and at the same time add to the vibrancy of neighborhoods."



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

INDUSTRY ARTICLE

Governor Cuomo Announces Groundbreaking on \$12.5 Million Affordable Housing Complex in Corning (Cont.)

New York State Office of Mental Health Commissioner Dr. Ann Sullivan said, “The Office of Mental Health is excited to break ground on a new supportive housing development in New York State. The Lamphear Court Apartments will offer individuals with behavioral health issues on-site resources and supports as they pursue their recovery and future success. Under Governor Cuomo’s leadership, the Office of Mental Health has developed over 6,000 units of supportive housing over the past four years, housing which helps New Yorkers live healthier and happier lives in their home communities.”

Funding is made possible through HCR’s Housing Trust Fund, Medicaid Redesign Team (MRT) capital funds, and Low Income Housing Tax Credits. The NYS Office of Mental Health is also providing capital funds. Both HCR and OMH are offering rental subsidies, and construction financing is being provided by US Bank.

The Governor established the Medicaid Redesign Team (MRT) in 2012 with the mission to identify more positive therapeutic results for Medicaid clients while simultaneously identifying savings on Medicaid expenditures. In what was a win for the state and a win for vulnerable New Yorkers, the MRT found \$34.3 billion in savings for taxpayers, with Medicaid Redesign Team Program funding subsidizing supportive housing.

Arbor Housing and Development CEO Jeffrey Eaton said, “Arbor is excited to begin the redevelopment of a blighted site that has been in serious need of upgrade for many years and to support the City of Corning’s Housing Strategy of revitalizing Corning’s neighborhoods and increasing the availability of safe and affordable housing.”

The Lamphear Court Apartments affordable housing development is part of Governor Cuomo’s unprecedented commitment to affordable housing and community renewal, which includes \$20 billion for comprehensive statewide housing and homelessness action plans. Over the next five years, the \$10 billion housing initiative will create and preserve 100,000 affordable housing units across the State, and the \$10 billion homelessness action plan will create 6,000 new supportive housing beds, 1,000 emergency beds, and a variety of expanded homelessness services. The Lamphear Court development team is led by Arbor Housing and Development, a non-profit corporation committed to building independence and creating housing options. The architect is Silvestri Architects.

Accelerating Southern Tier Soaring

Today’s announcement complements “Southern Tier Soaring,” the region’s comprehensive blueprint to generate robust economic growth and community development. The State has already invested more than \$3.1 billion in the region since 2012 to lay for groundwork for the plan – attracting a talented workforce, growing business and driving innovation. Today, unemployment is down to the lowest levels since before the Great Recession; personal and corporate income taxes are down; and businesses are choosing places like Binghamton, Johnson City and Corning as a destination in which to grow and invest.

Now, the region is accelerating Southern Tier Soaring with a \$500 million State investment through the Upstate Revitalization Initiative, announced by Governor Cuomo in December 2015. The State’s \$500 million investment will incentivize private business to invest well over \$2.5 billion – and the region’s plan, as submitted, projects up to 10,200 new jobs.

“Governor Cuomo Announces Groundbreaking on \$12.5 Million Affordable Housing Complex in Corning” *New York State Governor Andrew M. Cuomo*. Press Office of the New York State Governor, 11 Aug. 2016. Web. 10 Oct. 2016. <<https://www.governor.ny.gov/news/governor-cuomo-announces-groundbreaking-125-million-affordable-housing-complex-corning>>.



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

INDUSTRY ARTICLE

Governor Cuomo Announces \$16 Million Available to Support Construction of Energy Efficient Housing

www.governor.ny.gov

By Press Office of NYS Governor Aug. 8, 2016

Program to Provide Savings of \$180 Million for Housing Owners and Tenants While Supporting the Governor's Mandate to Reach 50 Percent Renewable Power by 2030

Governor Andrew M. Cuomo today announced the availability of \$16 million through the New York State Energy Research and Development Authority to support the design and construction of new energy-efficient housing and to complete similar improvements in existing buildings across New York State. Improvements in energy efficiency, particularly in the construction of new residential houses and apartment buildings, is a critical component of the Governor's nation-leading Clean Energy Standard, which requires 50 percent of the state's power to come from renewable sources by 2030. Homes and buildings that take advantage of this support are projected to see annual energy cost savings of more than \$9 million and total lifetime savings of as much as \$180 million, as well as improved household comfort and indoor air quality.



"Ensuring New York's buildings are constructed to the highest standards of energy efficiency is crucial to both our long-term sustainability and prosperity of the state," **said Governor Cuomo**. "Smart choices about efficiency can simultaneously save money and protect the environment. This investment promotes that principle in order to build healthy communities and save consumers hundreds of millions of dollars."

Approximately \$8 million will be offered to housing developers and builders of low-rise housing, including single-family homes and multi-unit buildings generally three stories or less, through NYSERDA's Low-rise Residential New Construction program. The other \$8 million will be offered to housing developers and builders of mid- and high-rise housing, generally multi-unit buildings of four stories or more, through NYSERDA's Multifamily New Construction Program.

Approximately 75 percent of the entire \$16 million in funding is designated for housing for low- to moderate-income residents, who are most vulnerable to high energy cost burdens and whose homes are often especially susceptible to the impacts of extreme weather.

Both programs support the incorporation of energy efficiency measures, such as increased insulation and improved air-sealing; high-efficiency heating, cooling, and balanced ventilation systems; energy-saving appliances and lighting; high-performance windows and doors; as well as renewable energy technologies.

This funding is being made available through NYSERDA's Clean Energy Fund, a 10-year, \$5.3 billion program to support clean energy market development and innovation. This fund is a major component of Governor Cuomo's Reforming the Energy Vision (REV) strategy to build a clean, resilient and affordable energy system for all New Yorkers.



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

INDUSTRY ARTICLE

Governor Cuomo Announces \$16 Million Available to Support Construction of Energy Efficient Housing (Cont.)

NYSERDA President & CEO John B. Rhodes said, "Building more efficient homes supports Governor Cuomo's innovative REV strategy while significantly improving consumer choice and energy affordability. By making these types of investments, New York continues to ensure energy-efficient housing is attainable for all, including low- to moderate-income New Yorkers."

In addition to providing direct funding support, NYSERDA will identify and promote the use of collaborative techniques among housing development, design and construction teams to ensure that cost-effective design and proper construction of efficient homes is replicated throughout the state. The programs will also work to increase awareness and demand for zero net energy buildings, which are designed to produce as much energy as they use. These activities will support recent State initiatives to spur higher-performing affordable housing construction, for instance through the inclusion of a Passive House building track in New York State Homes and Community Renewal's Unified Funding Application.



Energy efficiency programs are among the most cost-effective means to reduce carbon emissions overall in the energy sector according to a multitude of experts. Today's announcement will also build on New York's national leadership in green construction. New York ranks in the top 5 states in terms of the volume of green construction, which contributed a total of \$31.62 billion to the state's GDP between 2011 to 2014 while supporting 369,000 New York jobs, according to a 2015 economic impact study by the U.S. Green Building Council.



Assemblywoman Amy Paulin, Chair of the Assembly Committee on Energy said, "Providing funding for new energy-efficient housing is a win-win for New York. It will help reduce energy usage, while saving residents money on their utility bills. I am especially pleased that 75 percent of the funds will be made available to housing for low- to moderate-income residents, who need the savings the most."

Applications to both the Multifamily New Construction Program and the Low-rise New Construction Program will be accepted for qualified projects through December 29, 2017, or until the funding is exhausted. More information on the Multifamily and Low-rise Residential New Construction Programs is available here <http://www.nysenda.ny.gov/newconstruction-Res>.



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

INDUSTRY ARTICLE

Governor Cuomo Announces \$16 Million Available to Support Construction of Energy Efficient Housing (Cont.)



About the Clean Energy Fund

The 10-year, \$5.3 billion Clean Energy Fund is a core component of New York State's Reforming the Energy Vision strategy to achieve a clean, resilient and affordable energy system for all New Yorkers. It is designed to deliver on New York State's commitment to reduce ratepayer collections, drive economic development, and accelerate the use of clean energy and energy innovation. It includes a focused effort to bring more clean energy opportunities and benefits to low- to moderate-income communities throughout the State. The Clean Energy Fund supports the aggressive Clean Energy Standard, which requires that 50 percent of the State's electricity come from renewable energy sources by 2030.

About Reforming the Energy Vision

Reforming the Energy Vision (REV) is Governor Andrew M. Cuomo's strategy to lead on climate change and grow New York's economy. REV is building a cleaner, more resilient and affordable energy system for all New Yorkers by stimulating investment in clean technologies like solar, wind, and energy efficiency, in support of the recently adopted Clean Energy Standard, which requires that 50 percent of the state's electricity needs be generated from renewable energy by 2030. Already, REV has driven 600 percent growth in the statewide solar market, enabled over 105,000 low-income households to permanently cut their energy bills with energy efficiency, and created thousands of jobs in manufacturing, engineering, and other clean tech sectors. REV is ensuring New York State reduces statewide greenhouse gas emissions 40 percent by 2030 and achieves the internationally-recognized target of reducing emissions 80 percent by 2050.



"Governor Cuomo Announces \$16 Million Available to Support Construction of Energy Efficient Housing" New York State Governor Andrew M. Cuomo. Press Office of the New York State Governor, 8 Aug. 2016. Web. 10 Oct. 2016. <<https://www.governor.ny.gov/news/governor-cuomo-announces-16-million-available-support-construction-energy-efficient-housing-0>>.

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

Twin Tiers Chapter– Employment Opportunities



Design Your Career

Senior Mechanical Engineer – Buildings

Your Opportunity:

Our Buildings Engineering group specializes in the design and development processes unique to buildings. Working closely with our clients, our dedicated professionals help to establish and understand the needs of a range of building projects. This is where great ideas and rewarding careers are built. For both public and private sector clients, we provide unique plan checking capabilities as well as energy engineering and performance engineering services, covering each of the major engineering disciplines- structural, mechanical, and electrical. In addition, we bring together innovative and functional design solutions for companies involved in the discovery, research and development, and commercial scale manufacturing of pharmaceuticals, biotechnology, and medical device products. Focused on providing cost-effective solutions to engineering challenges, we are involved in a diverse range of projects from the initial planning stages to design, construction, and commissioning. Our structure cultivates career growth and provides opportunities as unique as you are.

Your Duties:

- Duties will include but are not limited to preparation of project proposals and resulting contracts, project implementation plans, resource planning, quality control and design review, project team review and coordination, client, and financial management.
- May assist as mechanical engineering lead overseeing the engineering & design of plumbing / fire protection / HVAC and other mechanical systems for new and renovated buildings.
- Mechanical engineering - actual designs including the completion of code reviews, preparation of the basis of design, system calculations, mark-up of drawings, specification preparation, field investigations, construction estimating and site inspections and other such design as required to execute the mechanical construction for new or renovated buildings.
- May perform project manager duties as needed.
- Some travel to site locations or other Stantec offices may be required.

Your Capabilities and Credentials:

The successful candidate will possess:

- Requires a B.Sc. Mechanical Engineer
- NYS PE desired, registration in other states a plus
- 7+ years' experience required
- Must have strong Mechanical Engineering skills in Plumbing, Fire Protection, HVAC, and related mechanical systems
- Prior management experience is a plus
- Prior consulting engineering experience is required
- Experience using Autocad, Revit, Trane Trace or Equest is a plus
- Excellent verbal and written communication skills
- Excellent interpersonal skills with team members and clients

We put people first, and it shows. We're proud to be one of New York's Best Places to Work, as named by The Business Council of New York and NYS-SHRM.

Please apply online directly at:

- (Rochester) <https://jobs-stantec.icims.com/jobs/25804/senior-mechanical-engineer---buildings/job>
- (Endicott) <https://jobs-stantec.icims.com/jobs/25927/senior-mechanical-engineer---buildings/job>



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

Twin Tiers Chapter– Employment Opportunities

MECHANICAL ENGINEER

CORNING

Job Number: 179603

Location: Corning, NY

Are you interested in “Life Changing Innovation”? As with Thomas Edison, we have a history of working with the world’s greatest innovators. We solve our customers’ most complex problems that others can’t or won’t. Collaboration, Innovative Spirit and Career Development are just a few of the reasons world class professionals choose Corning Incorporated for a career. We are headquartered in Corning - a vibrant city in Upstate, NY where residents enjoy the benefits of a rich arts and culture scene, one of the world’s fastest-growing wine regions and a family friendly area with affordable homes and quality education.

Corning is the world leader in specialty glass and ceramics, creating and manufacturing keystone components that enable high-technology systems.

Corning’s history is filled with breakthrough technologies that have played an important role in the way the world works. We thrive on solving difficult, commercially relevant problems through an innovative and collaborative research and development process. Corning succeeds through sustained investment in R&D, more than 160 years of materials science and process engineering knowledge, and a distinctive collaborative culture.

Scope of Position:

- Provide HVAC engineering support within the Business Services Division (BSD) Facility Operations Engineering Department at Sullivan Park (SP).
- Assume a primary role of “HVAC Engineer” for the Facilities Operations organization.
- Additionally, support and lead various engineering projects within our organization.
- Participate on and/or lead 6-Sigma DMAIC or DESGN Performance Excellence projects.
- Identify improvement opportunities, justify, and lead implementation of those improvements.
- Complete process documentation as required.

Day to Day Responsibilities:

- Provide HVAC engineering support for maintenance and project support.
- Troubleshoot facility equipment including: Air Handling Units, Make-up Air Units, AC units, Exhaust fans (centrifugal/DEF), return air fans, HW packaged boiler systems and piping distribution, central chilled water system and piping distribution.
- Develop preventative maintenance programs for HVAC systems
- Identify HVAC training needs for Maintenance Group as required.
- Provide energy management/reduction support.
- Audit, revise, create process documentation for HVAC systems
- Provide occasional after hours technical support, ie. On-call or weekend support.



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

Twin Tiers Chapter– Employment Opportunities

MECHANICAL ENGINEER (Cont.)

CORNING

Travel Requirements: Minimal

Hours of work/work schedule/flex-time:

- Standard 40 hour work week, plus occasional weekend project work and on-call coverage – (1) week per (2) month period.

Education and Experience:

- Min. 4 yr Bachelors of Science Degree
- Min. 4 years HVAC experience in Facilities Operations/HVAC Industry

Qualifications:

- HVAC Equipment experience – must be highly skilled in HVAC system design and operation.
- Perform engineering calculations of building heating/cooling loads, energy profiles, equipment selections, sizing of duct-work/piping distribution systems.
- Working knowledge of Facilities equipment and associated Building Control Management System operation.
- Hands-on troubleshooting experience and excellent troubleshooting skills and ability.
- Must have experience leading significant HVAC projects.
- Good communication and interpersonal skills, capable of working with all payrolls
- Good planning and organizational skills, capable of handling multiple tasks and priorities
- Self-starter, results oriented, requiring minimal supervision
- Basic CAD skills (preferably ACAD)
- Basic MS Office skills (MS Word, Excel, Power Point, MS Outlook w/ scheduling capability)
- Prior experience in either installation, system design, or maintenance of building infrastructure equipment.
- Process Control and Discipline knowledge and application experience, SPC understanding, Data Analysis experience using various statistical tools (ie: SPC XL, DOE Pro, Minitab, other)
- Understanding of quality systems (ie: Performance Excellence 6-Sigma, KT, Manufacturing Excellence, ISO)
- Additional computer skills (VISIO, Access, Tabware, Peoplesoft, ACAD and Revit BIM)
- Experience writing Process documentation (SOP's, Machine Specs, O&M's)
- Experience working in a Union environment
- Experience working in a Manufacturing environment.

EOE/AA including Veterans and Disabled.

IF YOU ARE INTERESTED IN THIS OPPORTUNITY, PLEASE FEEL FREE TO CONTACT DAVID WATKINS AT 716-688-6751 OR WATKINS@CORNING.COM



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

Twin Tiers Chapter– Employment Opportunities

LABELLA

Associates

Engineering
Architecture
Environmental
Planning

SENIOR MECHANICAL ENGINEER – PROJECT MANAGER

LaBella Associates, D.P.C. is one of the area's Top 2015 Workplaces. We are headquartered in Rochester's High Falls District with offices across New York and in Maine, North Carolina, Ohio, Pennsylvania, and an office in Madrid, Spain. We are a multi-disciplined architectural and engineering firm dedicated to client satisfaction through teamwork, respect, and trust.

We are currently seeking a Senior Mechanical Engineer to lead mechanical project teams in our Elmira Heights, NY office. Project work will involve clients in multiple Market Sectors. This position will report to the Mechanical Engineering Discipline Leader.

Responsibilities:

- Work closely with the mechanical engineering staff to develop concepts, strategies, construction documents and engineering reports for new building and renovation projects.
- Assist the energy group in conducting Energy Audits for Municipal, Commercial, and Industrial clients.
- Recognize energy reduction potential in buildings through the use of high efficiency equipment.
- Mentoring, guidance and performance appraisal for the mechanical engineering team.
- Client and Business Development.
- Proposal writing to initiate new business.
- Work with Commissioning Teams as necessary to provide reinforcement to this market focus.

The ideal candidate will possess:

- Bachelor's degree in Mechanical Engineering.
- Minimum 10 years engineering experience with a professional A/E services firm.
- Strong writing, organizational and communications skills
- Ability to work under pressure, and multi-task efficiently
- A New York PE license is mandatory.
- Familiarity with NYSERDA and the related incentive programs.

Resumes should be accompanied by a cover letter demonstrating how your past experience qualifies you for this position. All inquiries will be kept confidential.

LaBella offers a strong benefits package including health insurance, dental insurance, professional development, paid time off, 401k and much more.

<https://home.eease.com/recruit/?id=14921471>



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

Twin Tiers Chapter– Employment Opportunities

LaBella

Associates

Engineering
Architecture
Environmental
Planning

Mechanical Engineer

LaBella Associates, D.P.C. is one of the area's Top 2015 Workplaces. We are headquartered in Rochester's High Falls District with offices across New York and in Maine, North Carolina, Ohio, Pennsylvania, and an office in Madrid, Spain. We are a multi-disciplined architectural and engineering firm dedicated to client satisfaction through teamwork, respect, and trust.

We are currently seeking a Mechanical Engineer with a strong focus and background in Building Projects to work in our Elmira Heights, NY Office. This position will work closely with the mechanical engineering staff to develop concepts, strategies, designs, drawings, specifications and reports.

Individual must be able to work independently, as well as part of multi-discipline teams producing mechanical engineering documents. Individual must have well rounded experience in HVAC design. Energy conservation and commissioning experience is a plus. A Bachelor's degree and minimum of 4 years of experience working at an A/E consulting firm preferred.

Resumes should be accompanied by a cover letter demonstrating how your past experience qualifies you for this position. All inquiries will be kept confidential.

LaBella offers a strong benefits package including health insurance, dental insurance, professional development, paid time off, 401k and much more.

<https://home.eease.com/recruit/?id=14921441>



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, 2016.

- New subscription will run the calendar year 2016.
- Cost to advertise for the 2016 year is \$50.
- Sign up now for the 2016 year On Pay Pal <http://twintiers.ashraechapters.org>

Or Send Check and copy of business card to Twin Tier News Letter Editor:

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Conklin, NY 13748

- Email a copy of your business card to Twin Tier Newsletter Editor Email.

From Web site please visit: <http://twintiers.ashraechapters.org>

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

Business Card Advertising 2016

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 2016. This is a great opportunity to get your name and business in front of the over 200 subscribers to our chapter newsletter. The price for the newsletter only is \$50 for the entire 2016 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

**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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