



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



December Meeting

Research Promotion Night!
December 20, 2016

Presentation:

Green Lab Solutions

Theodore Firnstein
Siemens Industry, Inc.

YEA Tour:

Water Street Brewing Co.

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](#)

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



Corner

President's

Happy Holidays Twin Tiers,

I want to thank Petros and the Ardagh Group for last month's meeting. What an amazing operation! A top notch example of a leading organization in energy and waste reduction. Again the event was catered and the food was plentiful, we were even able to share the leftovers with Ardagh's employees! Thanks again.

As we enter the month of giving always remember our ability to share our knowledge and experience with each other. The gifts/talents we have can also be gifts to one another as we continue to grow our engineering community. It is part of our duty as Engineers to not criticize others, but try to see the positives and encourage development. Let's make the effort to work together and do what we know is best for our fellow clients, engineers, contractors, and representatives.

I know I am repeating part of my message from last month, but there is a specific opportunity available right now which allows you to contribute to our engineering community. Our Student Chapter is requesting funds to support a trip for the student members to attend the ASHRAE Winter Conference next month. I encourage all those capable to contribute. This is the future of our chapter! Instructions on how you can help are in the following Newsletter.

Thanks to all who help support our Engineering Community!

-Travis
Twin Tiers Chapter President

Chapter President



Travis R. Fisher
(607) 255-5608

[Email Me!](#)

2016-2017 Chapter Officers

President-Elect

Petros Papathomopoulos
(607) 723-9421

[Email Me!](#)



Vice President

Michael McGinnis
(607) 727-3168

[Email Me!](#)



Treasurer

Kyle Nedlik
(607) 321-6100

[Email Me!](#)



Secretary

Devin Shapley
(607) 723-9421

[Email Me!](#)



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

Twin Tiers Chapter

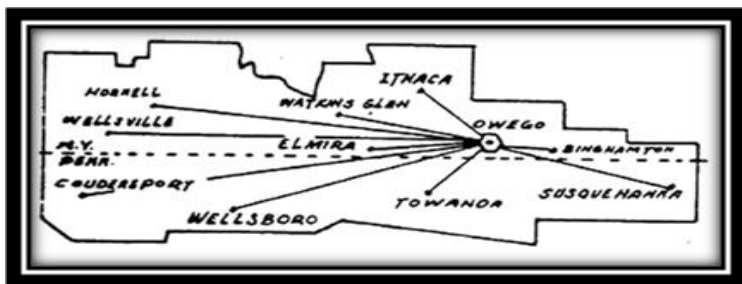
Presidential Award of Excellence (PAOE)

	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	595	250	350	230	830	510	100

POINTS CURRENT AS OF 12/14/2016

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 (570) 706-0690 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!



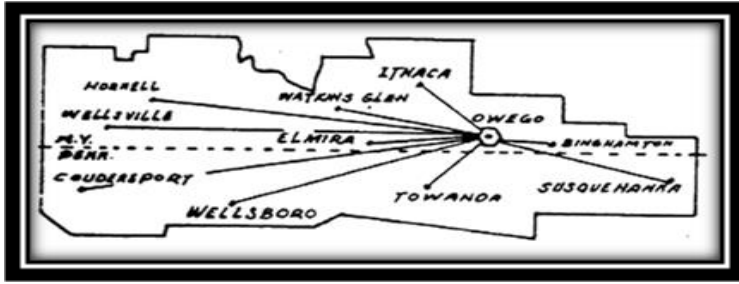
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Twin Tiers Chapter– Monthly Meeting Information

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	23
15-Nov	Mark Casadevall, Ardagh Group Steven Walker, Ardagh Group	Tour of Ardagh Group LEED Canning Facility	23
20-Dec	Theodore Firnstein, Siemens	Green Lab Solutions (PDH) Theme: RP Night	
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](#)



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

Young Engineers in ASHRAE (YEA) Message



YEA Events

Devin Shapley & Victoria Kramer

Water St. Brewing Co. Tour

Tuesday, December 20, 2016

Following monthly ASHRAE Meeting (8:00PM)

Water Street Brewing Co.

168 Water St., Binghamton, NY 13901

Come meet and network with young area professions involved in the HVAC industry. This is a great opportunity to meet fellow ASHRAE members and begin building professional relationships. Get a tour of the newly renovated brewing facility with an overview of equipment and the process used to make some great beer. YEA members get their first drink on us. Although a YEA event, all ASHRAE members are welcome to attend.

Devin Shapley

[Email Me!](#)

Victoria Kramer

[Email Me!](#)



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

Twin Tiers ASHRAE H.O. Ward Scholarship

Twin Tiers Chapter

Last year we had Two scholarship recipients

Ryan Phillips

- H. O. Ward scholarship 2016
One Thousand dollars \$1,000.00
- Mr and Mrs Dave Stipanuk Supplement 2016
Three Hundred Seventy Five dollars \$375.00

Amanda Breese

- H. O. Ward scholarship 2016
Five Hundred dollars \$500.00
- Mr and Mrs Dave Stipanuk Supplement 2016
Three Hundred Seventy Five dollars \$375.00

We are offering scholarship opportunities for student members, children of members, grandchildren of members, nephews and nieces of members.

Please consider passing this application to your children or grandchildren. The program is guided for HVAC interest. This would include but not limited to

- HVAC trade school students
- Engineering students in building programs
- Engineering students with an interest to become a Professional Engineer (Mechanical)
- Engineering students in manufacturing (HVAC equipment)
- Engineering / trade school student that can demonstrate how their study relates to HVAC aspect like building trades, equipment manufacturing, research and development, HVAC maintenance, etc..

APPLICATIONS MUST BE SUBMITTED BY FEBRUARY 15, 2017

Head over to our website for the application.

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

Richard Sanguinito

Twin Tiers H.O. Ward Scholarship Committee Chair

[Email Me](#)



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

December Meeting Announcement

December 20, 2016

Research Promotion Night!!!

December Chapter Meeting

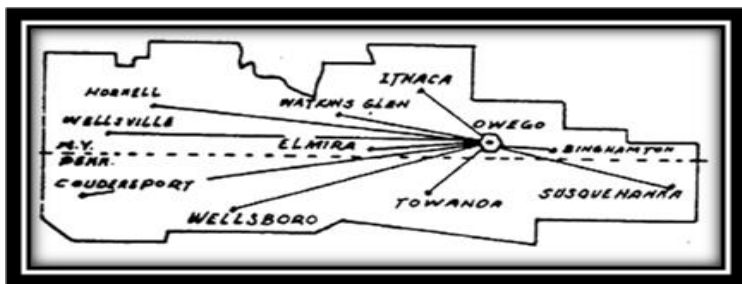
Presentation: Green Lab Solutions

Description: This month's presentation is intended to provide education for consulting engineers and other technical professionals on the basic requirements and effects of environmental controls in laboratories. It will identify the codes and standards for occupant safety in labs. It will then compare energy usage in labs and non-lab applications and provide suggestions for reducing energy consumption in labs while maintaining safety and compliance.

This presentation is AIA/CES approved for 1.0 LU.

Presenter: Theodore Firnstein, Business Development Manager, Siemens Industry, Inc.

Mr. Firnstein is the Syracuse area Business Development Manager for Siemens. He earned his AAS in Air Conditioning Engineering Technology Degree from SUNY at Alfred and has 26 Years of experience within the HVAC Controls industry in various capacities. His experience includes application engineering, planning, scheduling, installation, and commissioning for new and existing systems. Mr. Firnstein was also responsible for maintenance, repair and replacement of various HVAC-Refrigeration electrical and pneumatic control systems.



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

December Meeting Announcement

December 20, 2016

December Chapter Meeting

- DATE:** Tuesday, December 20th, 2016
- TIME:** 5:00PM
- MEETING LOCATION:** Holiday Inn
2-8 Hawley Street
Binghamton, NY 13901
- SPECIAL EVENT:** Research Promotion Night
YEA Event
- SPEAKER:** Theodore Firnstein, Business Development Manager, Siemens Industry, Inc.
- AGENDA:** 5:00 – 5:30 – Social Time
5:30 – 6:30 – Brief Chapter Meeting and Dinner
6:30 – 7:45 – Presentation followed by Q&A
- MENU:** Buffet Dinner
- REGISTRATION:** Register online at <http://twintiers.ashraechapters.org/> (Under the “Programs” Tab)
\$25.00 Early Registration (By 12/16/2016)
\$30.00 (After 12/16/2016)
- 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



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

Research Promotion Night

Dear ASHRAE Twin Tiers Member,

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 and operation and management tools, alternative technologies and materials and equipment. Through scholarships, grants and awards, the Society supports engineering education for undergraduate students and research projects for graduate engineering students and new post-doctoral scholars.

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

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

or send a check to:

ASHRAE Research Promotion
att. Patricia Adelman
1791 Tullie Circle NE
Atlanta, GA 30329

Subject Line of "RP Donation-ASHRAE Twin Tiers"

Again, a personal *Thank You* for the following who have already donated:

Companies:

Air Temp Heating & Air Conditioning Inc
Louis N Picciano & Son Incorporated

Individuals:

Mr Brenton J Ingraham
Mr Kyle Nedlik, BS
Mr Glenn P Roberts
Mr Travis Fisher
Mr Petros Papathomopoulos, PE
Mr Michael T McGinnis
Mr Devin Shapley
Mr Raymond C Millard
Mr Christopher Kopec
Mr Glenn P Roberts

I hope that ASHRAE and I can count on your support this year.

Email me ([Email Me!](#)), or come see me at a Chapter Meeting if you have any questions.

Regards,
Glenn Roberts
Research Promotion Chair



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

Research Promotion Night

ASHRAE FACTS & STATS



MISSION: Founded in 1894, the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) is an international nonprofit technical engineering society. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration (HVAC&R) to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education.

MEMBERSHIP: ASHRAE's technical foundation is built by its 50,000 volunteer members and a professional staff of 105. Across more than 132 countries, ASHRAE's membership in 171 chapters and more than 240 student branches includes consulting engineers (34%), contractors (10%) manufacturers (8%), manufacturing representatives/sales (6%), and architects (5%).

EXPERTISE: ASHRAE's areas of expertise include energy efficiency, indoor air quality, codes and standards, and guidance for a safe environment during extraordinary incidents.

STANDARDS: ASHRAE – with 123 standards and guidelines that establish recommended design and operation practice – is one of only five standards-developing organizations in the U.S. that can self-certify that its standards have followed American National Standards Institute's (ANSI) standards development procedures.

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 and operation and management tools, alternative technologies and materials and equipment. Through scholarships, grants and awards, the Society supports engineering education for undergraduate students and research projects for graduate engineering students and new post-doctoral scholars.

TECHNICAL OVERSIGHT: ASHRAE has some 100 technical committees that drive the ASHRAE research program, develop standards, sponsor the technical program at ASHRAE meetings, develop technical articles, special publications and educational courses and write the *ASHRAE Handbook*.

PUBLICATIONS: ASHRAE produces hundreds of publications, including the *ASHRAE Handbook*, the bible of the HVAC&R industry, books on specialized topics within the field, and various CDs and DVDs. The Society also publishes the peer-reviewed monthly *ASHRAE Journal*, quarterly *High Performing Buildings* and bimonthly *HVAC&R Research*, the most prestigious reporting of archival research in the fields of environmental control for the built environment.

CONTINUING EDUCATION: Through the ASHRAE Learning Institute, ASHRAE offers courses in a variety of formats, including eLearning, professional development seminars (in locations around North America or online), short courses (seminars offered during ASHRAE meetings) and self-directed learning courses (home study courses).

MEETINGS: Visit ASHRAE.org/RP for the most up to date information.



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

Past President's Night

We will honor the chapter's past presidents at the January chapter meeting at the Statler Hotel in Ithaca, NY. As part of our appreciation to those who have served the chapter in this capacity, the chapter will sponsor the cost of their dinner. We also welcome them to share any ASHRAE experiences or memories at the meeting. Individual letters have been mailed to each past president, but please feel free to spread the word if happen to see any of them. Thank you.

~ASHRAE Twin Tiers Chapter Officers





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

Binghamton University's Student Chapter

To: Binghamton ASHRAE Sponsor

Subject: Funding Towards ASHRAE's Winter Conference

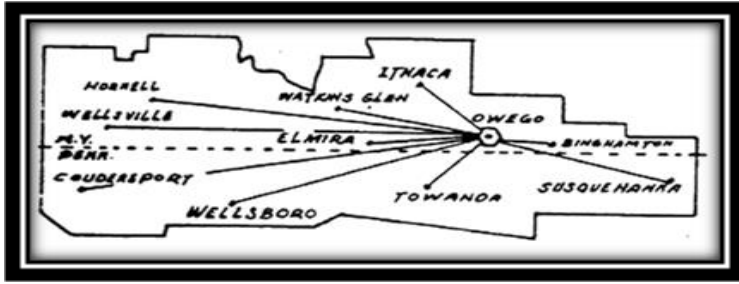
Dear Binghamton ASHRAE Sponsor,

The annual ASHRAE winter conference is the world's largest gathering of HVAC&R professionals to share academic and professional initiatives. Several events of interest include a student tour, multiple workshops and seminars, and an opening session featuring keynote speaker Adam Steltzner, who led the team of engineers behind the landing system of the Curiosity Mars rover in 2012. Attending this conference is a valuable opportunity for students to network with professional engineers in the field, as well as learn more about the HVAC&R industry through local plant tours, workshops, and seminars. This year, the conference is being held at Caesar's Palace in Las Vegas, NV, and the Binghamton Student Branch of ASHRAE is seeking funding to help curtail expenses so several active students will be able to reap the benefits of attending.

Three members of ASHRAE's executive board are hoping to attend this year's conference: Doris Wong (President), Ibrahima Balde (Vice President), and Melissa Gross (Treasurer). However, at least five other executive and active members have expressed interest in attending, should the proper funding be obtained. Expenses for this trip would include roundtrip airfare from Philadelphia to Las Vegas, four nights at a hotel in the vicinity of the conference, registration fees, airport parking, t-shirts, and miscellaneous travel expenses. Such costs for the minimum number of people expected to attend are tabulated below.

Because Binghamton ASHRAE is not yet chartered by Binghamton University's Student Association, it is difficult to obtain funding for this valuable experience. Despite growing membership within its first few weeks as an organization, fundraising and advertising on campus is a luxury not yet granted to us, and so Binghamton ASHRAE has no way of maintaining a proper budget that could be used for grand events, such as this winter conference.

Description	Cost per unit	Quantity			Total
		People	Rooms	Days	
Flight RT PHL/LAS	\$227	3	N/A	N/A	\$681
Hotel room (Flamingo)	\$133	N/A	2	4	\$1,064
Registration (including tours and seminars)	\$170	3	N/A	N/A	\$510
Parking at PHL Airport	\$11	N/A	N/A	5	\$55
Rental car	\$26	N/A	N/A	1	\$26
Taxi to/from airport	\$20	N/A	N/A	2	\$40
T-shirts	\$20	3	N/A	N/A	\$60
Total					\$2,436
Additional Cost per person	\$417				



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

Binghamton University's Student Chapter

Much of our funding for this conference requires the generosity of companies such as yours. Any amount of donation would be incredibly helpful, and a minimum of \$150 would earn your company advertising rights on our group's t-shirts. Each additional donation would allow for a proportional increase in advertising space. With these t-shirts, Binghamton ASHRAE would proudly display our sponsors as a thank you for your generosity, as well as showcase our pride and enthusiasm for becoming a chartered student branch.

Donations can be made through <http://twintiers.ashraechapters.org/student.html>. Here you will find PayPal buttons to make payments online. Checks would also be accepted, and can be mailed to the following address:

Jason A. Gilbert, P.E.
Student Branch Advisor
P.F. at Binghamton University
4400 Vestal Parkway East (PO Box 6000)
Binghamton, NY 13902-6000

At this conference, our official status as a student branch of the Twin Tiers regional chapter of ASHRAE will be voted on, and if successful, will help our organization continue to grow in membership and prestige. As an official student branch, Binghamton ASHRAE would be able to provide various opportunities for aspiring HVAC&R engineers to network and expand their knowledge of this field, and attending this valuable conference is just the first step. Thank you for your consideration.

Sincerely,
Binghamton ASHRAE Executive Board
Binghamton University
[Email Us Here!](#)



From left to right: Melissa Gross, Ibrahima Balde, and Doris Wong

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2016 Business Cards



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Twin Tiers Chapter – November 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

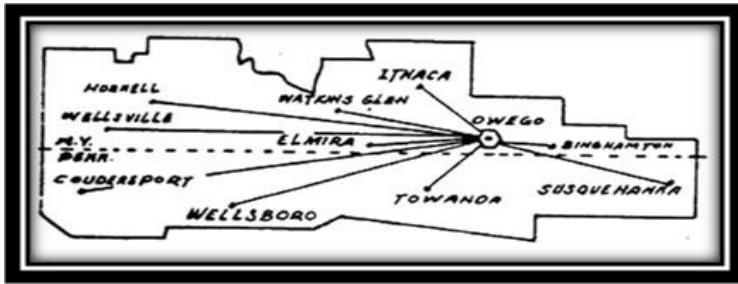
Date: Tuesday 11/15/2016 @ 3:30 PM

Location: Meier Supply, Conklin, NY

MEETING MINUTES

The meeting was called to order at:

- Call to Order and Attendance: **3:43**
 - Attendance: **Travis Fisher, Jason Gilbert, Chris Wolak, Andy Nice, Kyle Nedlik, Devin Shapley, Mike McGinnis, BU Student Chapter Officers (Doris Wong, Ibrahima Balde, Melissa Gross)**
- General Announcements – Travis Fisher
 - Congratulations and thanks to Jason Gilbert for the recent submission of BU Student Branch request. Tonight is membership promotion night!
- Treasurer's Report – Kyle **Thanks to Kyle for job well done!**
 - All accounts are in good standing.
 - Audit: 2015 tax submission complete, Travis and Kyle signed the CHAR500 and was post marked yesterday November 14th. Reviewed by Doug Breese. Where are we with Audit review and approval?
 - Budget – Final review, any comments/changes?
 - Thompkins – Still working on online access. Did we find the original paperwork? We need to send a new Corporate Resolution, need to remove Doug if he is on there.
 - Rick – do you need reimbursement for Audit Committee lunch meeting? Did not see the expense show up on the account.
- CTTC – Mike/Petros
 - DL Information – Is VJ all set for January meeting? Accommodations, meeting needs? Has the Statler been reserved? PDH?
 - Monthly Meetings –
 - Did we change the format in the Newsletter? The monthly meeting information does not include the location.
 - Spring Symposium
 - Discuss Mike's location option breakdown. Need to make a decision to lock in location. **Holiday Inn \$1500 add from last year. Move to Holiday Inn**



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

Twin Tiers Chapter– November BOG Meeting Minutes

- YEA – Devin/Victoria
 - Thank you for setting up Water Street Brewing Tour
 - Second YEA event? **Technical tour/ hockey game?**
- Membership Promotion – Chris
 - Updates?
- PAOE Responsibility – Travis Fisher
 - PAOE duties during the year.

<i>Expectations</i>		Current	PAR	Max
Membership Promotion	Chris Wolak	800	500	800
Student Activities	Jason Gilbert	100	300	500
Research Promotion	Glenn Roberts	500	800	1050
Historical	Rick Sanguinito	230	100	300
Chapter Operations	Travis Fisher	545	600	1200
Chapter Technology Transfer	Petros Papathomopoulos	250	450	1050
Grassroots Government Activities	Petros Papathomopoulos	350	500	650

- Student Activities – Jason Gilbert
 - Student Scholarships: Jason/Rick
 - Add a scholarship page to the website.
 - Jason would like to reimburse membership fees for students who are successful chapter officers.
looking to send students to winter meeting
 - Member Shirts: Andy – Select new design/color for this year.
 - Shirts will be given to members who are attending the CRC & Members with attend ½ (**4 meetings**) of the Meetings. Discuss criteria for shirts **color is presidents choice**
 - Current free shirt count: 0
 - Shirt lead time 1 - 2 Weeks
- New Business

Meeting adjourned at **4:36** Motioned: Second:



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

History Report - November Meeting Summary



By
Rick Sanguinito Historian 2016-2017

NOVEMBER Meeting Summary

Date: November 15, 2016



The November 2016 meeting was a Tour of the Ardagh Group Metals Plant, Conklin NY. Want to thank the tour guides Mark Casadevall, EHS Specialist and Steven Walker, Production/Engineering Manager. Ardagh Metals Group is proactively promoting environmentally friendly and energy efficient technologies. They have achieved LEED Certification and Net-Zero Land Fill goals.

The facility implementing effective waste management schemes to maximizing all aspects of recycling Paper, metals, plastics and other inorganic material collections for recycling. All organic material and other non-recycled material is compacted and once a year sent to an incinerator facility to unlock the trapped energy to create electricity.

A zero landfill strategy means no waste generated at the facility is disposed into landfills. Instead, the plant engineer arranges for local disposal contractors to collect the waste and re-process it through recycling or incinerations.

We would like to thank those who attend this meeting form our chapter. If you were unavailable for this meeting, please consider join us for the December meeting. We had a strong showing from our new Binghamton University Student Chapter. People who attend included the following:

Andrew Nice
Devin Shapley
Jason Gilbert
Mark Casadevall
Michael McGinnis
Richard Sanguinito

Andy Gimbar
Doris Wong
Johan Avila
Matthew Lloyd
Mickey Masker
Steven Walker

Chris Kopec
Gary Hilton
Justin Bopp
Melissa Gross
Peter Candidus
Travis Fisher

Chris Zarrelli
Ibrahima Balde
Kyle Nedlik
Michael Colwell
Petros Papathomopoulos



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

History Report - November Meeting Summary



PHOTO 1 - Ardagh Group can tops and bottoms display

PHOTO 2 - Ardagh Steven Walker – Production & Engineering Manager



PHOTO 3 - Ardagh Mark Casadevall receiving a certification of appreciation form Travis Fisher – President

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



**Thank you
Sponsors!**

2016 Business Cards



CHRIS WOLAK
Engineering Specialist

26 Canterbury Trail
Fairport, NY 14450
Email: Chris.Wolak@Victaulic.com

Cell: 484/350-1954



TRAVIS SENOKOSOFF

Upstate New York Territory
Email: Travis.Senokosoff@Victaulic.com

Cell: 518/390-8071



Mike McGinnis, P.E.

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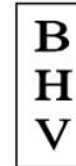


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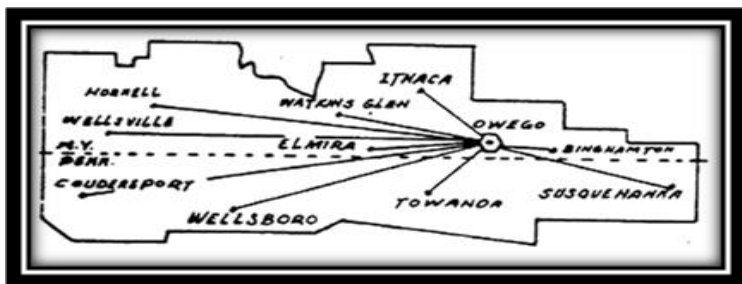
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What Were They Thinking???



When the customer refuses to see any equipment outside!

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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!**

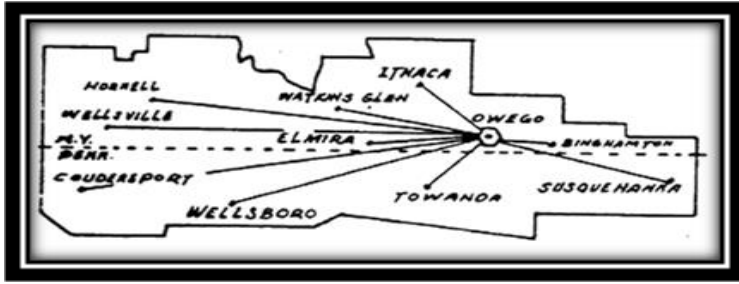
As a licensed professional in New York State, it is your professional responsibility to know the legal and ethical requirements governing the practice of your profession and to be alert to changes in those requirements. The New York State Board for Engineering and Land Surveying, in an effort to help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

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TRAINING



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INDUSTRY ARTICLE

Governor Cuomo Announces Nearly \$100 Million in New Green Bonds for Affordable Housing

www.governor.ny.gov

By Press Office of NYS Governor Nov. 29, 2016

Governor Andrew M. Cuomo today announced that New York State has secured international certification of nearly \$100 million in new "Green Bonds" to drive the development of housing that has a positive impact on the environment and climate. New York is now the first state in the nation to have its affordable housing bonds certified by The Climate Bond Standards Board, on behalf of the Climate Bonds Initiative, an international not-for-profit organization supporting financing for projects around the world that help reduce the impact of climate change.

"Green Bonds are an innovative tool to build cleaner, greener, affordable housing and place New York at the forefront of sustainable development," **Governor Cuomo said.** "New York leads the nation in pioneering solutions to 21st century challenges, and these Green Bonds will provide hundreds of new housing units to New Yorkers in need, while reducing carbon emissions, mitigating the impact of climate change and creating a more sustainable future for all New Yorkers."

Lieutenant Governor Kathy Hochul, who made the announcement at Governor Cuomo's Sustainable Development Conference, said, "This is yet another example on how New York, under the strong leadership of Governor Cuomo, is pushing forward to uncover resources to fund housing developments that are not only affordable but energy-efficient. New York continues to lead in this important effort to reduce the impacts of climate change to provide a better future for all New Yorkers."

New York State Homes and Community Renewal's Housing Finance Agency will issue the bonds under its new Green Bond program, funding four developments that will inject nearly \$200 million in economic activity into local economies and create more than 640 green, affordable and supportive apartments for Kings, Westchester, Monroe, and Orange County residents.



The international certification builds on New York's reputation as a national leader in setting strict environmental standards and reducing carbon emissions. Earlier this year, New York issued its first Green Bonds for transportation when the Climate Bonds Initiative certified \$500 million in bond proceeds for the MTA to continue infrastructure renewal and upgrade projects, encourage public transportation, and reduce greenhouse gas emissions.



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

INDUSTRY ARTICLE

Governor Cuomo Announces Nearly \$100 Million in New Green Bonds for Affordable Housing (Cont.)

In 2016, the Governor announced the Clean Energy Standard, mandating that 50 percent of New York's electricity comes from renewable resources by 2030. The Clean Energy Standard will slash carbon emissions, protect the environment and grow the clean energy economy. In addition, beginning on January 1, 2017 all Homes and Community Renewal new construction multi-family projects will adhere to green standards.

New York State is the top issuer of housing bonds in the country, serving as a model for other states. Housing bonds will now be even more marketable to the Green Bond community. An estimated \$45 trillion in assets is currently under management by investors that have made public commitments to climate and responsible investment.



John B. Rhodes, President and CEO, New York State Energy Research and Development Authority, said, "This is a great step by New York State to work even more effectively with building owners in constructing more energy-efficient and comfortable buildings for New York residents. Governor Cuomo has made it a priority to ensure all New Yorkers, including low-to moderate income, have the opportunity to benefit from energy-efficient housing."

Senator Betty Little, Chair of the Senate Housing Committee, said, "Investing in affordable housing is not only something that benefits families, but done right, should benefit the environment, too. I am really pleased to see New York State is leading the nation in this effort with the 'green bonds' and congratulate our housing commissioner,

Jamie Rubin, and Governor Cuomo for making this a priority. I am certain we will see some exciting innovation and progress as a result of this new standard and a lasting impact that makes support of affordable housing even more worthwhile."

"Governor Cuomo Announces Nearly \$100 Million in New Green Bonds for Affordable Housing" New York State Governor Andrew M. Cuomo. Press Office of the New York State Governor, 29 Nov. 2016. Web. 14 Dec. 2016. <<https://www.governor.ny.gov/news/governor-cuomo-announces-nearly-100-million-new-green-bonds-affordable-housing>>.

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

Twin Tiers Chapter– Employment Opportunities



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Senior Mechanical Engineer – Buildings

Your Opportunity:

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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
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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.

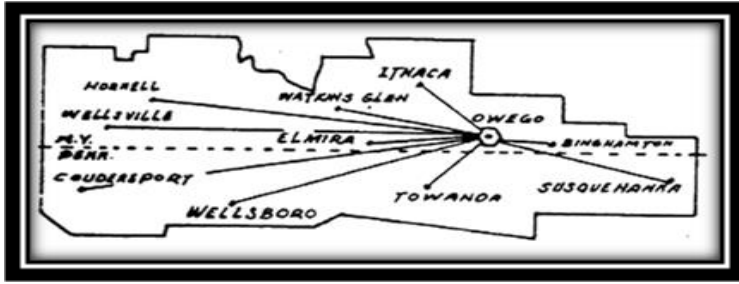
The ideal candidate will possess:

- 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.

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

Twin Tiers Chapter– Employment Opportunities

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Mechanical Engineer

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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.

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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, 2016.

- New subscription will run the calendar year 2016.
- Cost to advertise for the 2016 year is \$50.
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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,
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Comments? Suggestions?

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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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