



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



November Meeting

November 15, 2016

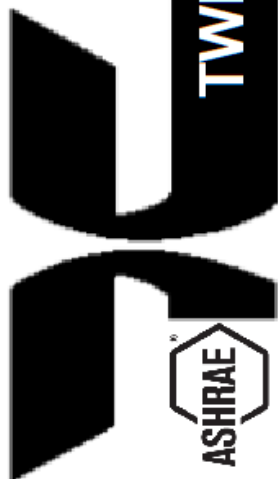
Tour & Presentation:

Ardagh Group Metals Plant

Mark Casadevall, PE.
EHS Specialist

Steven Walker
Production/Engineering Manager

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

Dear Twin Tiers,

As the days are getting colder and shorter, I hope everyone is still taking time to enjoy the great fall colors and outdoors. It seems like the world starts to slow down as winter approaches. However, our Chapter is just heating up! I am excited to announce Jason Gilbert, Chapter Student Activities Chair, has just submitted the paperwork to establish an official ASHRAE Student Chapter at Binghamton University! The submission will be voted on at the ASHRAE Winter Meeting in Las Vegas. A big thank you to Jason and all the students involved to make this happen. Organizations of young professionals like this are the roots of our strong Engineering Community. The students involved are hoping to attend the winter meeting. If you have the ability, please help support their cause. This is the future of Twin Tiers ASHRAE!

In this week's newsletter please check out our upcoming YEA event. Again, another organized event to support our young Engineers in the area. Don't forget, even though this is an event for our younger crowd, even the experienced (older) members can attend as well! Thank you to Victoria Kramer and Devin Shapely for putting together the event.

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

President-Elect

Petros Papathomopoulos
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[Email Me!](#)



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Michael McGinnis
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Treasurer

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[Email Me!](#)



Secretary

Devin Shapley
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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	435	200	350	230	750	500	100

POINTS CURRENT AS OF 11/4/2016

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!



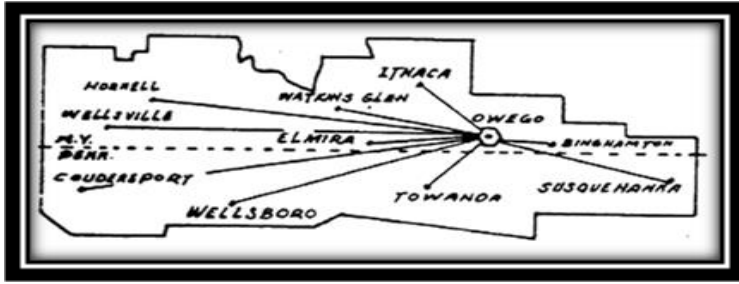
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Twin Tiers Chapter– Monthly Meeting Information

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	
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

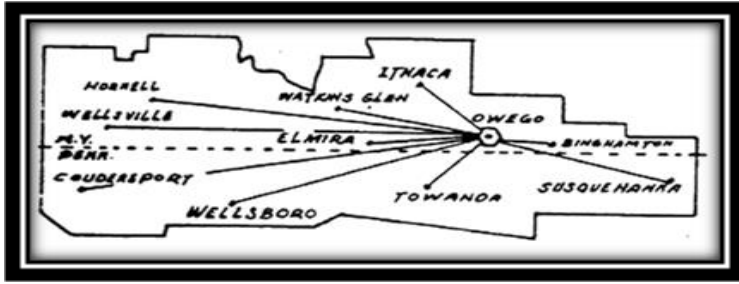
As we begin a new chapter year I would like to remind everyone that ASHRAE has two different membership grades: Associate and Member. Full member status is available to all members with 12 years of experience in the industry. This includes any post high school education. For example, if you have eight 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

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

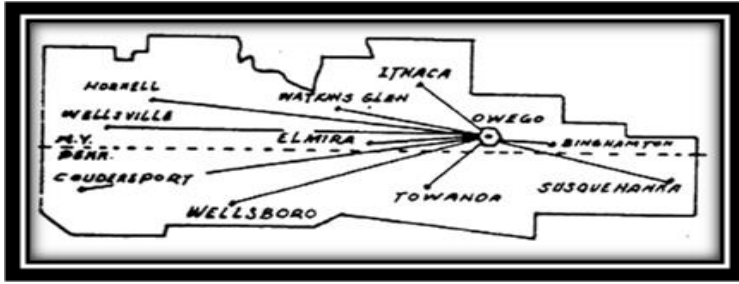
Head over to our website for the application.

<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.

November Meeting Announcement

November 15, 2016

November Chapter Meeting

Tour/Presentation/Speaker: Ardagh Metals Plant

Mark Casadevall, PE., EHS Specialist

Steven Walker, Production/Engineering Manager

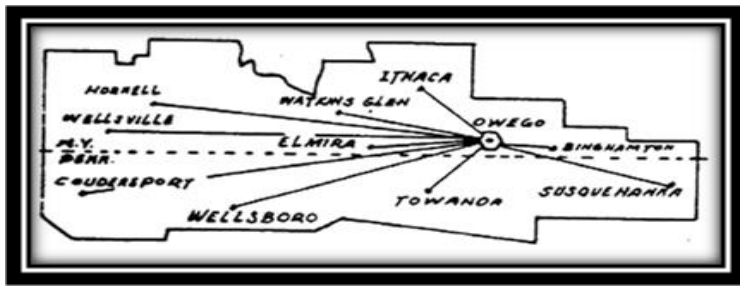
Description: This month we will tour the Ardagh Metals Group Plant in Conklin, a facility that is proactively promoting environmentally friendly and energy efficient technologies. This includes efforts towards maximizing recycling and implementing effective waste management schemes. A zero landfill strategy is adhered to, meaning no waste generated at the facility is disposed into landfills. Instead, the plant engineer arranges for local disposal contractors to collect the waste. As a result of this strategy and other energy and environmental efforts, the plant was awarded the Leadership in Energy and Environmental Design (LEED) certificate by the U.S. Green Building Council.



Presenter: *Mark Casadevall, PE., EHS Specialist*

Mark is a Project Engineering Manager & EHS Specialist with Ardagh Metals. He is a registered Professional Engineer and hold BS & MS degrees on Mechanical Engineering from Stevens Institute of Technology as well as an MBA degree in Finance from Columbia University. In the past Mark has worked as a Mechanical Engineer for General Motors and as a Senior Project Engineer for Toyota Motors Corporation.





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

November Meeting Announcement

November 15, 2016

November Chapter Meeting

DATE: Tuesday, November 15th, 2016

TIME: 5:15PM

MEETING LOCATION: Ardagh Group Metals Plant
379 Broome Corporate Parkway
Conklin, New York 13748

SPECIAL EVENT: N/A

SPEAKER/Tour Guide: Mark Casadevall, PE., EHS Specialist

Steven Walker, Production/Engineering Manager

AGENDA: 5:15 – 5:30 – Review plant safety procedures (fill non-disclosure agreement)
5:30 – 6:30 – Plant Tour
6:30 – 7:30 – On-Site 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 11/11/2016)
\$30.00 (After 11/11/2016)

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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Twin Tiers Chapter – October 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

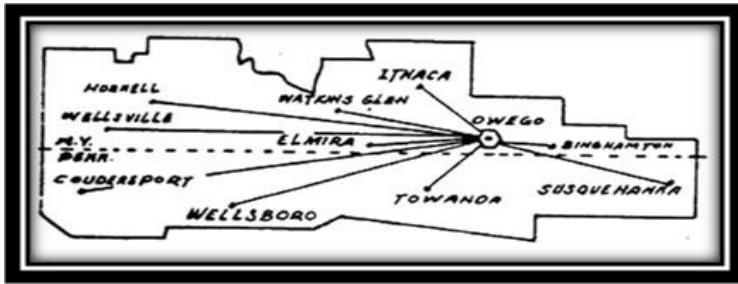
Date: Tuesday 10/18/2016 @ 4:00 PM

Location: Owego Treadway, Owego, NY

MEETING MINUTES

The meeting was called to order at: 4:08pm

1. Call to Order and Attendance: Travis Fisher, Petros Papathamopoulos, Andrew Nice, Mike McGinnis, Kyle Nedlik, Chris Wolak, Rick Sanguinito, Adam Keller, Jason Gilbert, Victoria Kramer, Glenn Roberts, Devin Shapley, **Chonghui Liu**
 - a) Attendance:
2. General Announcements – Travis Fisher
 - a) Welcome/Introduce our guest YRC Chair Chonghui Liu
3. Treasurer's Report – Kyle
 - All accounts in good standing.
 - Travis still needs to set up online access.
 - Audit: Lynn Panicia has filed the e-Postcard and it is approved. Reviewed by Doug Breese. Comments incorporated? Travis contacted Thompkins process underway for online access to scholarships, Jacob needs Feb 16 H.O. Ward statement.
 - Thompkins – Did we find the original paperwork? We need to send a new Corporate Resolution, need to remove Doug if he is on there.
 - Kyle – Needs? Update from Jake?
 - M&T account setup – Distribute CC's to Mike and Kyle.
 - CRC – Society to issue \$800 refund for CRC mix-up, have we seen this come through?
 - Need receipt for 9/20 Wal-Mart expenditure (\$16.79) – Soft drinks/cups for today's meeting?
4. CTTC – Mike/Petros
 - a) DL Information –
 - b) Monthly Meetings –
 - ☐ Do we have a speaker lined up for November?
 - ☐ MVR tour/presentation at Cornell.
 - c) Spring Symposium
 - ☐ Updates on a potential new inviting venue? **Received pricing. Will evaluate.**
 - ☐ Holiday inn Binghamton?
 - ☐ Petros and Travis send speaker list to Mike
 - ☐ Kyle to provide budgets
 - d) Petros to publish calendar of events.



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

Twin Tiers Chapter– October BOG Meeting Minutes

5. YEA – Devin/Victoria **CL discussed leadership weekend scholarship**
 - a) We need to establish 2 events for the year. Any ideas for the first event? **Brewery tour**
 - b) CL to provide a background on YEA goals and possible ideas for events.

6. Membership Promotion – Chris

- a) Updates? **November & March Meetings**

7. PAOE Responsibility – Travis Fisher

- a) PAOE duties during the year.

<i>Expectations</i>		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	300	450	1050
Grassroots Government Activities	Petros Papathomopoulos	350	500	650

8. Student Activities

Had student interest meeting for student chapter. Should be official by Feb. 1st, 2017

- a) Student Scholarships: Jason/Rick

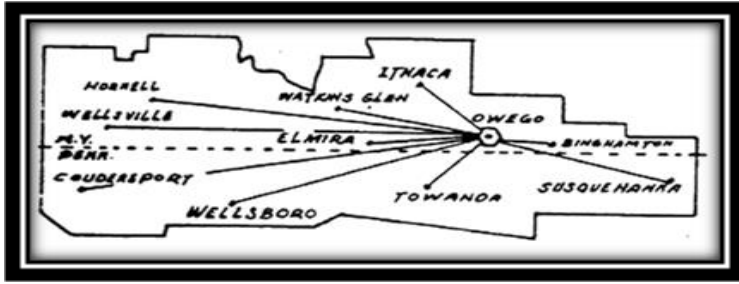
1. Withdrawal for refund to Chapter in fall after audit - Rick
 2. Did we contact BOCES to reach out to local high schools?
 3. Update on Student Chapter at Cornell.
 4. Who is eligible, what do the applicants need to do, and what is the deadline?
 5. When and who selects the winner(s)?
 6. How do we announce the winners and how do we disperse the scholarship(s)?
 7. Add a scholarship page to the website.
 8. Jason would like to reimburse membership fees for students who are successful chapter officers.

- b) 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 of the Meetings. **Pricing back tomorrow**
- Current free shirt counts: 0
- Shirt lead time 1 - 2 Weeks

9. New Business

Meeting adjourned at 4:58pm Motioned: Travis Second: Rick



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

History Report - October Meeting Summary



By
Rick Sanguinito Historian 2016-2017

OCTOBER Meeting Summary

Date: October 18, 2016

The October 2016 meeting was a presentation in Advancements in Pumping & Motor Efficiency. The presenter, Stan Kutin, went 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.

Stan is an instructor at Bell & Gossett's Little Red Schoolhouse. He holds a mechanical engineering degree from University of Illinois and is LEED certified. Stan supports and develops a wide variety of training initiatives, including instructor-led seminars conducted at the LRSH, ASHRAE Seminars, Union Apprentice Schools and other field instruction.

He is an attending member of ASHRAE TC 6.1 Hydronic and Steam Systems.



PHOTO 1 - BOARD MEETING



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

History Report - October Meeting Summary



PHOTO 2 - Speaker Stan Kutin

PHOTO 3 - Members listening to the presentation



PHOTO 4 - Petros Papathomopoulos Presenting Stan with a Certificate of Appreciation for speaking.

American Society of Heating, Refrigerating,
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**Thank you
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2016 Business Cards



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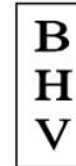


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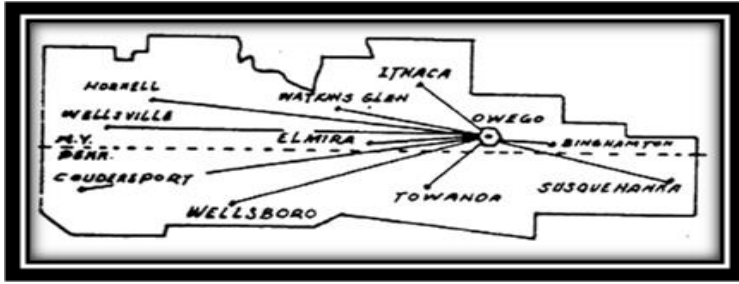
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What Were They Thinking???



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. ***



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

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

INDUSTRY ARTICLE

Governor Announces New Regulations to Improve Air Quality Governor

www.governor.ny.gov

By Press Office of NYS Governor Nov. 1, 2016

Governor Andrew M. Cuomo today announced that New York State has adopted regulations that will improve air quality and protect public health by limiting emissions from existing diesel generators and natural gas-fired engines. The new regulations, originally proposed in December 2015, specifically target nitrogen oxides and particulate matter emissions from existing equipment and actually go beyond the new standards recently established by the federal government which only apply to new equipment.

"The harmful pollution that emanates from diesel generators is a proven health risk for New Yorkers and it's critical we do all we can to limit exposure to it," **Governor Cuomo said.** "These new standards not only place New York at the forefront of reducing air pollution, but also further our efforts to encourage the development of renewable energy resources to both combat climate change and grow our economy."



Nitrogen oxide emissions contribute to the formation of ground-level ozone, the principle component of smog. Both ozone and particulate matter can cause adverse health effects, including respiratory problems such as asthma, shortness of breath, coughing, and nasal irritation. This new rule will contribute to lower ozone and particulate matter levels, particularly in crowded urban areas where many diesel generators and natural gas-fired engines are located. This new rule also reduces other toxic pollutants caused by diesel fuel combustion.



The equipment covered under this new regulation include units that provide short-term power to facilities during times of peak electricity demand when ozone levels are often elevated. These sources, which produce more than 150 kilowatts (kW) in the New York City region and in excess of 300 kW in the rest of the state, will be required to meet these new emissions limits unless they are used solely for emergency purposes, such as during blackouts. Existing distributed generation sources that do not meet the revised standards can install control equipment to meet the new emissions limits.



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

INDUSTRY ARTICLE

Governor Announces New Regulations to Improve Air Quality Governor (Cont.)

The regulations include provisions for compliance date extensions for certain generators owned by municipalities or municipal agencies in order to prevent direct sewage discharge to waterways in the state. This limited extension will provide municipalities with additional time to control the emissions from their generators.

New York State Department of Environmental Conservation Commissioner Basil Seggos said, "These new regulations are bolstering the state's comprehensive efforts to improve air quality, protect public health, and tackle climate change. This new rule will help reduce fossil fuel use while supporting Governor Cuomo's commitment to generate 50 percent of New York's energy from renewable sources while reducing greenhouse gas emissions 40 percent by 2030."

The proposed rule will complement New York's Reforming the Energy Vision program, which is intended to transition the state to a more efficient and cleaner distributed electricity grid that will reduce the carbon pollution that causes climate change. It is also important component of the State's effort to meet the new, stricter ozone National Ambient Air Quality Standard by July 2018, as required under the federal Clean Air Act.



"Governor Announces New Regulations to Improve Air Quality Governor" *New York State Governor Andrew M. Cuomo*. Press Office of the New York State Governor, 1 Nov. 2016. Web. 7 Nov. 2016. <<https://www.governor.ny.gov/news/governor-announces-new-regulations-improve-air-quality>>.



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

INDUSTRY ARTICLE

Governor Cuomo Announces Ribbon Cutting for New \$5 Million Sustainable Advanced Manufacturing Center at Alfred State

www.governor.ny.gov

By Press Office of NYS Governor Oct. 14, 2016

Governor Andrew M. Cuomo today announced the ribbon cutting of the new Sustainable Advanced Manufacturing Center at Alfred State College. The \$5 million, 16,000-square-foot facility will help prepare welding and machine tool technology students for in-demand jobs, while learning state-of-the-art sustainable practices in advanced manufacturing. The Center is supported by the \$4.5 million SUNY 2020 "Retooling the Southern Tier" project, as well as a grant of up to \$500,000 for new equipment and machinery from the Western New York Regional Economic Development Council.



"Alfred State's new Sustainable Advanced Manufacturing Center will keep the school at the cutting edge of technology and ensure our manufacturers have access to a pipeline of the educated and well-trained employees they need to succeed," **said Governor Cuomo**. "New York is committed to developing a high tech workforce to help grow the 21st economy and that begins with making these types of investments to bolster the capabilities our higher education institutes."

Located on Alfred State's School of Applied Technology campus in Wellsville, the Center includes classrooms, a computer lab, a welding booth shop, a welding fabrication shop, material handling and preparation space, a CNC machine shop, and metrology and inspection space. Other uses for the facility include prototyping and assisting manufacturers across western New York in the development of new products and systems.

"Alfred State is at the heart of the hi-tech revolution in this region, and this center is a symbol of what Governor Cuomo is achieving all across the state," **said Lieutenant Governor Hochul**. "We are positioning a new generation of workers for success in the area of advanced manufacturing even as we promote and develop the new methods necessary to achieve the right balance between growing our economy and preserving our environment."

The SAMC is the first building on the Wellsville campus funded by the State of New York. The Educational Foundation of Alfred, Inc., a private foundation whose mission is to improve the Alfred State community through support of educational programs, owns the property and is leasing the site to SUNY for 30 years.



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

INDUSTRY ARTICLE

Governor Cuomo Announces Ribbon Cutting for New \$5 Million Sustainable Advanced Manufacturing Center at Alfred State (Cont.)

SUNY Chancellor Nancy L. Zimpher said, "This is one of many historic moments for Alfred State College as it builds on its reputation of truly preparing students for the future job demands in the Western region. My congratulations to President Sullivan and the entire Alfred State College community for realizing their vision for the Sustainable Advanced Manufacturing Center."

Alfred State President Dr. Skip Sullivan said, "It is an exciting time for our students, the community, and the business and industry partners that employ our graduates. I personally appreciate the investment in Alfred State and the investment in the next generation of students who will meet workforce needs in the future. This state-of-the-art facility is a gem that allows our experienced and quality faculty to prepare our students to 'hit the ground running'."



Empire State Development President, CEO & Commissioner Howard Zemsky said, "Aligning education and skills training to the needs of local employers is a must in order to advance our economy and Alfred State's new SAMC understands the importance of coordinating educational opportunities and workforce needs so that their students will graduate prepared for successful careers in advanced manufacturing."

Western New York Regional Economic Development Council Co-Chair and SolEpoxy President Jeff Belt

said, "Alfred State is a leading college of technology in our region and a great partner to the WNYREDC as we strive to prepare our youth for in-demand and growing industry sectors such as advanced manufacturing. SAMC will be a real asset for area manufacturers by providing the education and training for employment opportunities close to home. One of the WNYREDC's core strategies is preparing our workforce and Alfred State's new SAMC fits that bill perfectly."

Satish K. Tripathi, Western New York Regional Economic Development Council Co-Chair and University at Buffalo President said, "There is a high demand for advanced manufacturing graduates in our region so Alfred State's new center will be a benefit for the area manufacturers who are looking to fill positions with talented, career-ready individuals. I am proud that the WNYREDC supported this important project."

"Governor Cuomo Announces Ribbon Cutting for New \$5 Million Sustainable Advanced Manufacturing Center at Alfred State" New York State Governor Andrew M. Cuomo. Press Office of the New York State Governor, 14 Oct. 2016. Web. 7 Nov. 2016. <<https://www.governor.ny.gov/news/governor-cuomo-announces-ribbon-cutting-new-5-million-sustainable-advanced-manufacturing-center>>.

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**Thank you
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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:

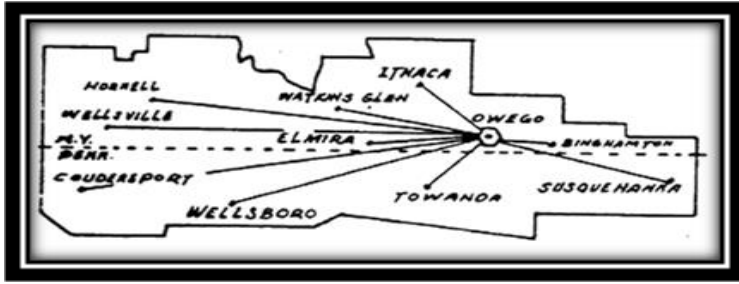
- Min. 4 yr Bachelors of Science Degree
- Min. 4 years HVAC experience in Facilities Operations/HVAC Industry

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.

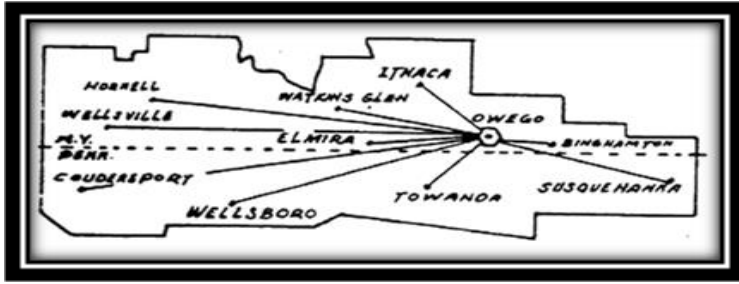
The ideal candidate will possess:

- 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:

Meier Supply Co.
Attn: Andrew Nice
275 Broome Corporate Parkway
Conklin, NY 13748

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

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](mailto:twintiernewslettereditor@gmail.com)

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



Comments? Suggestions?

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

We welcome your feedback!



ASHRAE Mission Statement

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

Ethics Requirement for PE

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

ASHRAE Vision Statement

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

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

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

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

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