



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 2015-2016



February Twin Tiers & CNY Joint Chapter Meeting

February 10, 2016

Tour:

Intertek Facility

Presentation:

Intertek Facility/Operations

Tour Guide/Presenter:

Byron Horak (Intertek)

Nightly Theme: Research Promotion & Student Night

(See Page #9 for Details)

TWIN TIERS TALK



To register, visit the Chapter website:

<http://twintiers.ashraechapters.org>

and select the "Programs" page.

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 Chapter Members,

Yes! I have seen some golfers out on the 1st of February. Glad to see a huge turnout in our coldest month(?) so far, and it was on a Summer-time topic, no-less. Thank you Rick (Pro Air Plus, Inc.) for opening the bar at Robert J & Helen Appel Commons (Cornell University) and encouraging some good banter before the meeting. Elsewhere on the East coast, for those of you who went to this year's Winter Conference, if you have any selfies with the society officers, Region -I officers, or you're in a group shot at the AHR Expo, please send them to Andy or me for the next Newsletter and Facebook page.

This month we're meeting up with the CNY Chapter in Cortland at Intertek for a tour of their labs. I, and hopefully you, are looking forward to this tour since we specify and design around HVAC equipment, and we rely on testing labs, such as this one, to verify performance. A couple of house-keeping items (short list) to note: no pictures or filming, no firearms, tobacco, and alcoholic beverages. Please behave in a professional manner on site. Personal Protection Equipment not limited to safety glasses, may be required for your protection. More personal safety procedures will be given at the tour. Also, I'm encouraging you to preregister for the event. We will be assisting you at the door separately from the CNY folks. Thank you in advance.

With the long time period between February and March chapter meetings, for the YEA's of our group, you get twice the fun, yay! Devin and Travis will be sending out information shortly on the YEA Event (2/16), location to be determined. A brief BOG meeting will be held prior to the event. Please join us if you have the time.

Doug Breese, Twin Tiers Chapter President

Chapter President



Doug Breese
(585) 402-7090

[Email Me!](#)

2014-2015 Chapter Officers

President-Elect

Travis R. Fisher
(607) 255-5608

[Email Me!](#)



Vice President

Petros Papathomopoulos
(607) 723-9421

[Email Me!](#)



Treasurer

Jacob Schatz
(315) 234-1543

[Email Me!](#)



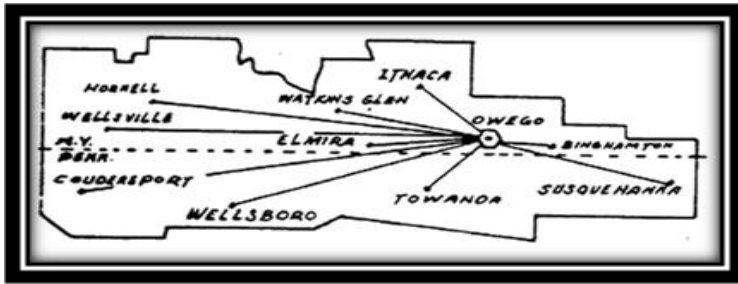
Secretary

Michael McGinnis
607.727.3168

[Email Me!](#)

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Twin Tiers Chapter

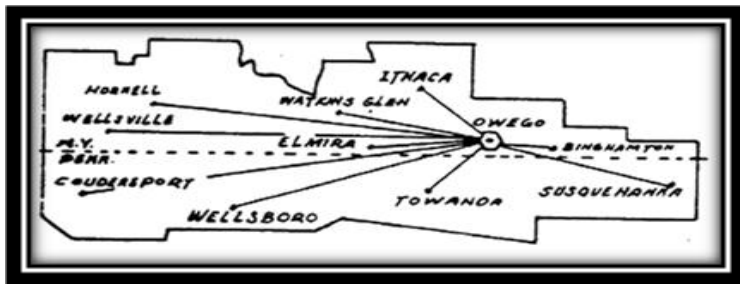
Presidential Award of Excellence (PAOE)

	Membership Promotion	Student Activities	Research Promotion	Historical	Chapter Operations	Chapter Technology Transfer	Grassroots Government Activities
MIN/PAR	500/800	300/500	800/1050	100/300	400/1000	450/1050	500/650
Current	225	50	480	150	825	450	475

POINTS CURRENT AS OF 2/4/2016

Chapter Committee Chairs

Technology Transfer Travis Fisher (607) 255-5608 Email Me!	Government Activities Petros Papathomopoulos (607) 723-9421 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 Jacob Schatz (315) 234-1543 Email Me!	H.O. Ward Scholarship Jason Gilbert (607) 777-2240 Email Me!
Research Promotion Andrew Nice 607-760-5960 Email Me!	Student Activities Jason Gilbert (607) 777-2240 Email Me!	Membership Directory Chris Wolak (484) 350-1954 Email Me!	Albarn Education Fund Richard Sanguinito (607) 231-6605 Email Me!
Honors & Awards Andrew Nice 607-760-5960 Email Me!	Historian Richard Sanguinito (607) 231-6605 Email Me!	Symposium- Fall/Spring Petros Papathomopoulos (607) 723-9421 Email Me!	Auditing Rick Sanguinito & Jason Gilbert (607) 231-6605 Email Me!
Webmaster Mike Colwell (607) 724-8282 Email Me!	Newsletter Editor Andrew Nice 607-760-5960 Email Me!	YEA: Young Engineers Travis R. Fisher/Devin Shapley (607) 255-5608 Email Me!	Publicity Andrew Nice 607-760-5960 Email Me!



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

Twin Tiers Chapter– Monthly Meeting Information

2015-2016 Meeting Dates:

Date:	Speaker	Tech Session Topic, Tour or Meeting Info	Attendance:
15-Sep	Jason Gilbert / Rick Sanguinito	Dickinson Hall VRF HVAC, Plumbing, FP, and Structural Installation Tour & Presentation	23
20-Oct	Various / TBD	Fall Engineering Symposium - Daytime	
20-Oct	TBD	Brewery Tour	17
17-Nov	Art Studer (Postler & Jaeckle)	Huron Campus Chiller Plant Tour Themes: Refrigeration Night & History Night Region 1 Guest: Region 1 Director & Regional Chair – Bill Walter	14
15-Dec	Casey Bernhard, PE, LEED AP (Labella Associates)	Ithaca College Peggy R. Williams Center Tour Re-commissioning Presentation Theme: Past Presidents/Albern Lecture and Donor Recognition	24
19-Jan	Michael Patton (Griswold Water Systems)	ASHRAE Std. 188-2015 “Legionellosis: Risk Management for Building Water Systems. (PDH Approved) Theme: Student Night & Membership Promotion	28
10-Feb	Byron Horak (Intertek)	Joint Meeting with Syracuse Chapter, Presentation and Tour of Intertek facility Theme: Research Promotion	
15-Mar	Jason Gilbert (Binghamton University)	Binghamton University Building Tour & Presentation Theme: Student Night & YEA Night	
19-Apr	Multiple/TBD	Spring Engineering Symposium—Daytime	
17-May	Lanny Joyce / Mark Howe (Cornell University)	Cornell University Building Tour & Presentation	
21-Jun	None	Golf Tournament	

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

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2016 ENGINEERS WEEK DINNER

"LET'S MAKE A DIFFERENCE"

Tuesday, February 23, 2016

LOCATION: Holiday Inn Arena, 2 Hawley Street, Binghamton, NY (West of Veterans Memorial Arena)

TIME: 5:30 - 6:30 PM Cash Bar, Poster Presentations, 6:30 - 7:30 PM Dinner, 7:30 PM Awards and Speaker

POSTER PRESENTATION/CELEBRATION: Your Chance to Participate. Each Individual or Company is invited to bring a poster and an easel to "show-off" a completed project that was successful. We will place them in the room for viewing during our arrival time.

AWARD: Engineer of the Year Awardee: Jonathan Rook, PE, LS, Life Member ASCE. Professor Rook taught in the Civil Technology Department at Broome Community College, now SUNY Broome, for over 30 years. He graduated from Cornell University with a BCE, 1952 and MEng, 1967; PE license, 1957 and his LS license, 1958. His consulting experience includes working for McFarland Johnson, Shumaker, and Stearns & Wheeler and during summers, he had a surveying business. John has been a teacher and mentor to hundreds of Civil Engineers and Civil Engineering technicians in the Southern Tier.



AWARD: BU NYSSPE Scholarship Recipient Recognition



SUBJECT: "The Binghamton Entrepreneurial Ecosystem"

SPEAKER: Per Stromhaug, PhD, MBA

Binghamton University Assistant Vice President Innovation and Economic Development

Per will discuss initiatives and resources available in Binghamton for start-up companies as well as for innovators and burgeoning entrepreneurs thinking about starting their own company.

Per Stromhaug leads the Office of Entrepreneurship and Innovation Partnerships under the Division of Research at Binghamton University (BU). His office handles the new technologies and intellectual property coming out of the use of BU facilities; entrepreneurship, start-up company formation and business incubation programs at BU including the Start-Up Suite pre-incubator and the Southern Tier High Technology Incubator program; and economic development initiatives at BU such as the tax free Start-Up NY program and the Hotspot tax free

program. Per has a PhD in Cell Biology from University of Oslo, Norway and an Executive MBA with concentration in entrepreneurship from the Henry W. Bloch School of Management at University of Missouri – Kansas City.

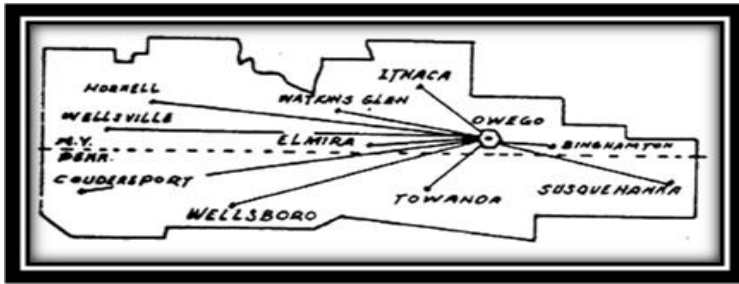
Reservations due by Friday Feb. 19, 2016

NAME	AFFILIATION/COMPANY	EMAIL FOR CONTACT

Number of Persons for:

- 1) _____ Prime Rib of Beef _____ @ \$35* each = \$_____. *Students reduce dinner prices by \$15
- 2) _____ Grilled Salmon _____ @ \$30* each = \$_____.
- 3) _____ Chicken Picatta _____ @ \$25* each = \$_____.
- 4) _____ Pasta Primavera _____ @ \$25* each = \$_____. Want receipt? _____ Yes _____ No.
- Total \$_____. We will give the receipt at the meeting.

Make Checks payable to **Broome Chapter NYSSPE**. Mail to: **Engineers Week Dinner, c/o Wonjune Hong, 416 Jodie Dr. Vestal, NY 13850**. If you need information, you may email wonjune.hong@lmco.com. Sorry, no refunds after February 15.



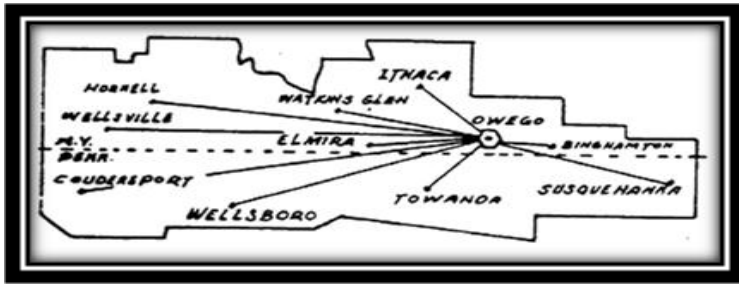
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Membership Promotion Message

Chapter Membership Promotion Chris Wolak

I'd like to thank everyone who came out last month for our Membership Promotion night! It was a great turnout with a very interesting presentation. I would especially like to thank the new members and hopefully the soon-to-be members that attended. I received a lot of good feedback from the night and I hope that it will bring us some new members. The Twin Tiers chapter is still four members short of our 2015 membership goal, so please encourage anyone you know who is not a member to sign up or give me a call if they have any questions.

Chris Wolak
Twin Tiers Membership Chair
[Email Me](#)



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

February Meeting Announcement

February 10, 2016

February Chapter Meeting (Research Promotion Night)

**Close toed shoes are required for those attending*

**Bus Service to the meeting provided by ASHRAE Twin Tiers see Travel Options below*

Presentation and Tour: Intertek Facility

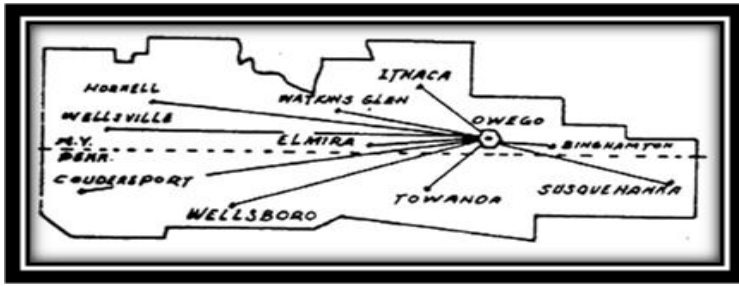
Speakers: Byron Horak (Intertek)

Intertek delivers the expertise you need to get your products safely, efficiently, and effectively to market anywhere in the world.

As the global leader in testing, inspection and certification, it is our business to be at the forefront of the safe execution and delivery of products to their intended markets. Our capabilities in a variety of industries—electrical and electronic products, medical devices, IT and telecoms, toys and games, juvenile products, textiles and apparel, food and more—offer an interconnected knowledge base that brings solutions to everything from regulatory issues to supply chain challenges, and beyond.

With engineers and specialty staff at more than 1,000 locations in over 100 countries around the globe, our aptitude for regulatory standards and requirements, certification needs, performance and quality programs, ongoing industry, market, and consumer trends and advancing technology is unparalleled. It is our constant mission to be informed, engaged, and to provide services that ensure our clients are never left behind.





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

February Meeting Announcement

February 10, 2016

February Chapter Meeting (Research Promotion Night)

- DATE:** Wednesday, February 10th, 2016
- TIME:** 6:00 PM
- MEETING LOCATION:** Intertek
3933 US Route 11
Cortland, NY 13045
- SPECIAL EVENT:** Research Promotion Night & Joint Chapter Meeting with CNY ASHRAE Chapter!
We will be holding a 50/50 raffle!
- SPEAKER:** Byron Horak (Intertek)
- AGENDA:** 6:00 - 8:00 - Intertek Tour, Presentation, & Dinner
8:00 - 9:00 - Trane Sponsored Happy Hour
- MENU:** Catered by Rex's <http://www.rexspasta.com/>
- REGISTRATION:** Register online at <http://twintiers.ashraechapters.org/> (Under the "Programs" Tab)
\$25.00 Early Registration (By 2/5/2016)
\$30.00 (After 2/5/2016)
- GPS:** [Intertek Google Maps Directions](#)
- TRAVEL OPTION:** If you plan to catch a ride to the meeting ASHRAE Twin Tiers is providing a bus service from Binghamton University. Please be at the Binghamton Events Center by 4:45pm as the bus will be leaving at 5:00pm sharp. Please contact Travis Fisher at below so we can establish a head-count.
- CONTACT:** Travis Fisher (Please call, text, or email me at below with any questions or if you get lost)
E: [Email Me!](#)
C: (607) 972-1342

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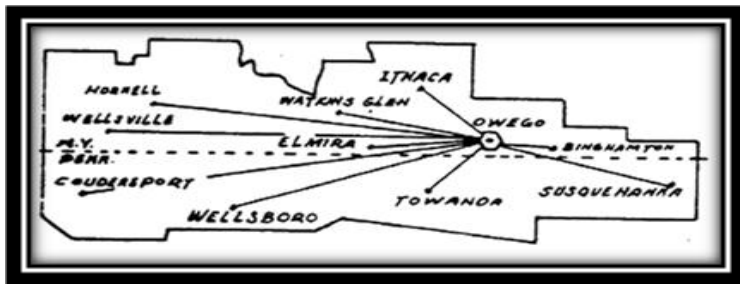
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American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

Twin Tiers Chapter– January BOG Meeting Minutes

MEETING MINUTES

The meeting was called to order at:

Board of Governors Meeting

Date: Tuesday 01/19/2016 @ 4:00 PM

Location: Cornell University – Robert J & Helen Appel Commons Room 303

1. Call to Order and Attendance: 4:04 pm

- a) Attendance: Doug Breese, Chris Wolak, Travis Fisher, Andy Nice, Rob VanSkiver, Petros Papathomopoulos, Mike McGinnis

2. General Announcements – Doug Breese

- a) Approval of December's Meeting minutes: Motion by: Mike
Second by: Travis

3. Treasurer's Report – Jacob Schatz

- a) Treasurer's Report – accounts in good standing. *See attached Report*
- 2014-15 Audit: Updates from Lynn?
 - Annual budgets. *See attached 11x17.*

☐ Add Principle/Minimum balance to balance sheet for HO Ward and Albern Funds

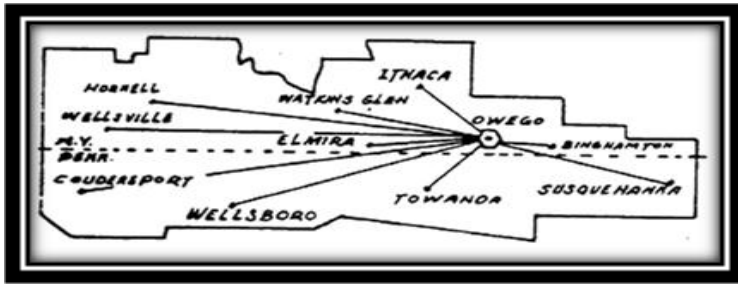
4. PAOE Responsibility – Doug

Chairs	Chair Contact	Current	PAR	Max
Membership Promotion	Chris Wolak	225	500	800
Student Activities	Jason Gilbert	50	300	500
RP	Andy Nice	480	800	1050
Historical Criteria	Rick Sanguinito	150	100	300
Chapter Operations	Doug Breese	775	400	1000
Grassroots Government Activities	Petros Papathomopoulos	375	500	650
Chapter Technology Transfer	Travis Fisher	400	450	1050

Travis – keep a running chapter speaker database and update the CTTC-RVC regularly during the year.

Chair Updates:

- a) Chapter Technology Transfer:
- ☐ Speaker database update to RVC monthly – have not seen this yet.
- b) Membership Promotion:
- ☐ MP Night – Jan-19 and May-16 (Joint mtg – SFPE)
 - ☐ MBO Goal #1: Retain and increase membership by 2%, current membership is at 112.



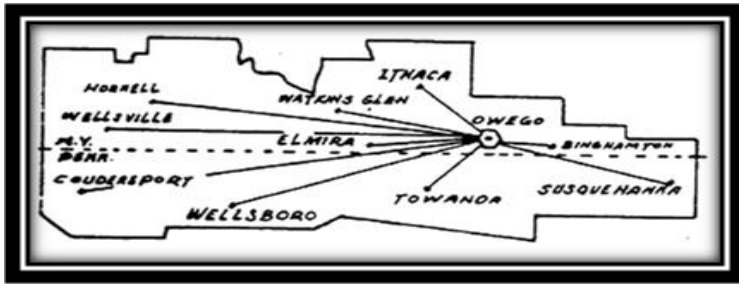
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Twin Tiers Chapter– January BOG Meeting Minutes

- ☐ MBO Goal #2: Reduce delinquency to 5% or less. Currently 19% are past 6 weeks overdue on renewing their annual chapter memberships. Currently 2 delinquents.
- c) Resource Promotion:
 - ☐ Feb 10 - Intertek (Cortland NY) RP Night combined with CNY Chapter
 1. Must get flyer and Newsletter out by the Feb 1st with it being on 2/10
 - ☐ 2015 2016 Goal is \$6,500 (High Five goal?)
- d) Student Activities:
 - ☐ Student Activity Night – Feb & March
 - ☐ Students going to Intertek Tour, bus rental from Binghamton Univ. to Cortland.
 1. Jason to coordinate bus from BU to meeting, approximate cost of \$500
- 5. Committees:
 - a) Meeting Reception (D. Breese): Nametags & Sign-in sheet
 - b) Student Committee (J. Gilbert):
 - ☐ Alfred (Jason to contact Dr. Joe C) and Cornell (Travis to take lead) contacts to be notified of end of Student Branch and if they'd like to renew they need to fill out forms from ASHRAE.
 - ☐ Jason to establish BU Student Branch.
 1. (3) Students are required to maintain a student branch and (10) are required to start a branch.
 - c) Young Engineers (Travis and Devin Shapely):
 - ☐ Feb - Water St Brewery? Jeopardy? Is this a GO? Blast email?
 1. Travis to check on availability
 - d) Symposium (P. Papathomopoulos): updates? PDH's?
 - ☐ Update Pricing and PDHs for flyer
 - ☐ Send out Save the Date
 - e) Golf & Clambake (Mike McGinnis): June 21st Vestal Hill's and Mountain Top
 - f) Honors and Awards (D. Breese): Chapter Service awards
- 6. Old Business
 - a) ASHRAE TT to receive a \$50 per person credit for each person that attended the CRC from the region.
- 7. New Business
 - a) Review necessity of PO box – Doug
 - b) Chapter Positions discussed for 2016-2017 year
 - c) Feb BOG meeting to be held on regular night and time at Water St. Brewery depending on availability

Meeting adjourned at 4:51 PM Motion by: Andy

Second by: Mike



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

SCHOLORSHIP



Twin Tiers ASHRAE H.O. Ward Scholarship

Twin Tiers Chapter:

It has been some time since a scholarship could be offered. We would like to reestablish the 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.

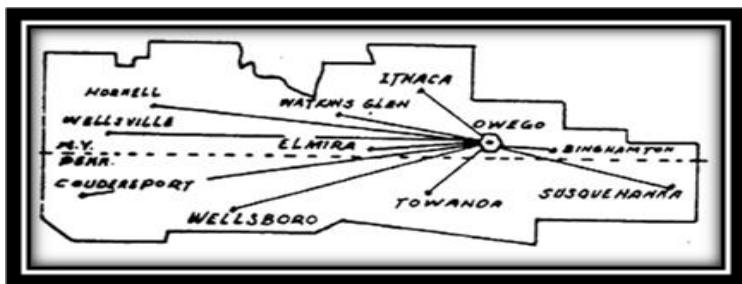
This would include but not limited to:

- 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, 2016**

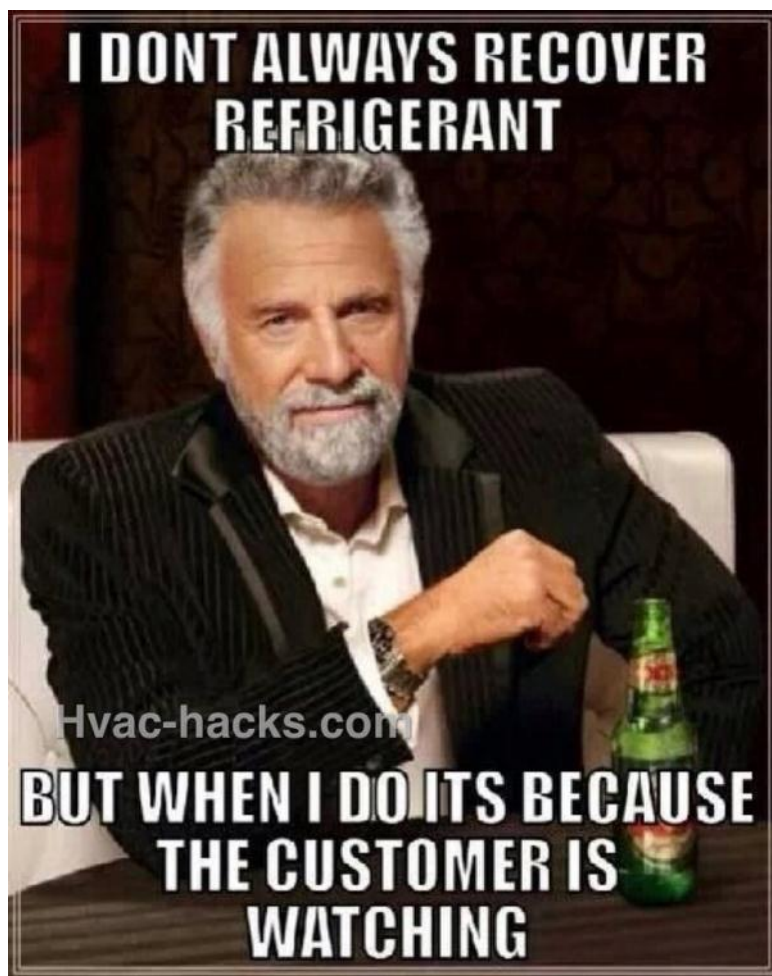
Please visit our website for the application and full details!

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



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

What Were They Thinking???



Not a what where they thinking picture but goes along nicely with the industry article this month.

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

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

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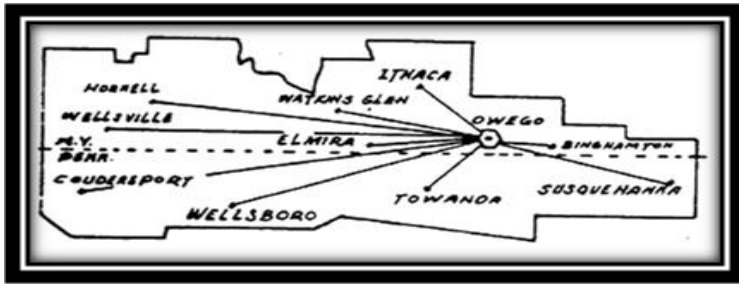
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TRAINING



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

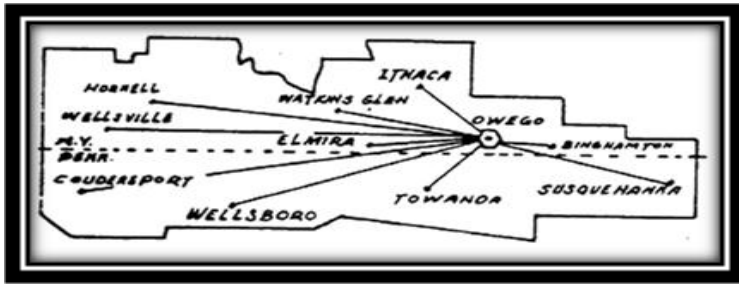
As a licensed professional in New York State, it is your professional responsibility to know the legal and ethical requirements governing the practice of your profession and to be alert to changes in those requirements. The New York State Board for Engineering and Land Surveying, in an effort to help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

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

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

Take Your PE Ethics Self Test Here!

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



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

TRAINING



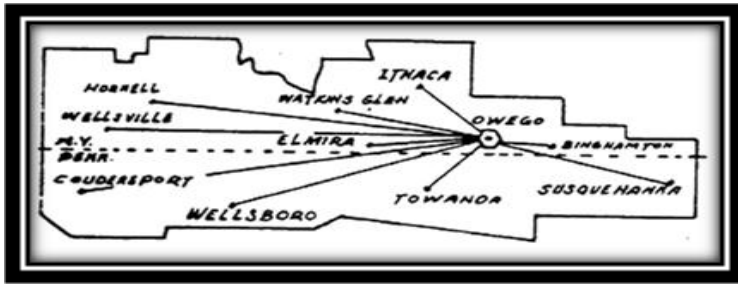
New York State Professional Engineers
Need a few extra PDH?
FREE Online Courses are Available!

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The above websites offer free online courses that are approved for credit!





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

TRAINING

ENERGY CODE TRAINING - EARN 7 LU's/HSW

SIGN UP HERE

CONQUER THE CODE

TRAIN FOR CHANGE

Commercial Energy Code training
for architects and engineers

Big changes are coming to the New York State Energy Code in 2016. You will be responsible for ensuring every commercial and residential building project you design complies with the new code. This training will arm you with the information and skills needed to meet your new responsibilities.

Lunch will be provided courtesy of W.H. Lane Inc., the City of Binghamton & LeChase Construction

March 10, 2016
***8:30 AM-4:30 PM**

Double Tree - Binghamton
225 Water Street
Binghamton, NY 13901

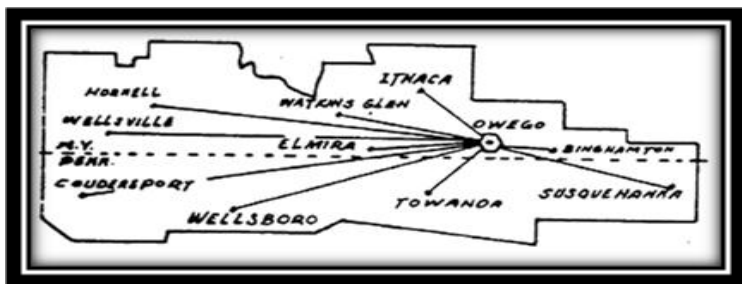
Registration to begin at 8:00 AM

Sponsorship opportunities are still available. Contact [Katie](#) for more information.



Sign up Here!

<http://urbangreencouncil.org/content/events/conquering-energy-code-commercial-architects-and-engineers-19>



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

TRAINING

ASHRAE HVAC Design Training

2 Courses, 5 Days of Intense Instruction

Atlanta • Halifax • Hong Kong • Houston

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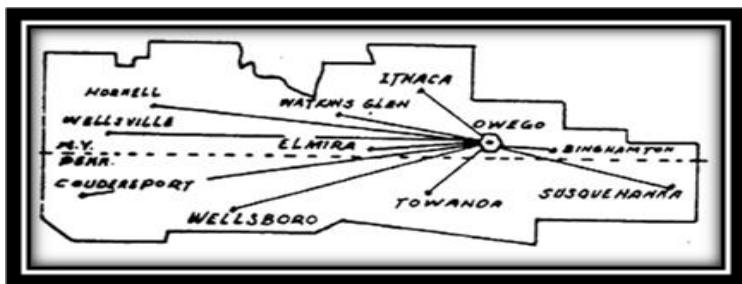
HVAC Design: Level I – Essentials - Registration is \$1,264 (\$1,009 ASHRAE Member)

Gain practical skills and knowledge in designing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

HVAC Design: Level II – Applications - Registration is \$854 (\$699 ASHRAE Member)

HVAC Design: Level II — Applications provides instruction on HVAC system design for experienced HVAC designers and those who complete the HVAC Design: Level I – Essentials training. The training provides information that allows practicing engineers and designers an opportunity to expand their exposure to HVAC systems design procedures for a better understanding of system options to save energy.

Visit www.ashrae.org/hvactraining to register.



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

INDUSTRY ARTICLE

The U.S. Department of Commerce Announces Preliminary Antidumping Duties on Hydrofluorocarbon Blends Imported from China

<http://www.prnewswire.com/>

By James Cannon Feb. 4, 2016

WASHINGTON, Feb. 4, 2016 /PRNewswire/ -- The U.S. Department of Commerce has published a preliminary determination finding that imports of Hydrofluorocarbon (HFC) Blends used in applications such as air conditioning and refrigeration are being dumped in the U.S. market.

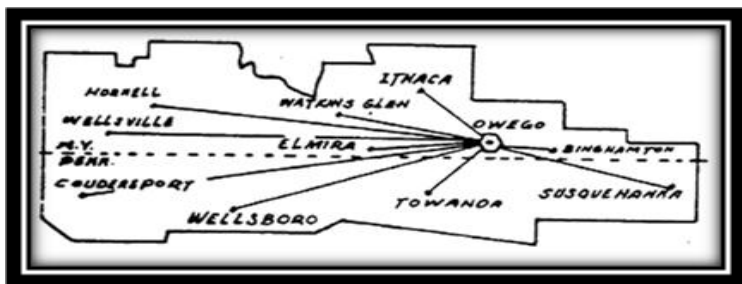
On June 25, 2015, the American Hydrofluorocarbon Coalition and its members filed an antidumping duty petition charging that certain HFC blends and components imported from China were being sold at less than fair value.

The investigation was initiated by the Department of Commerce on July 15, 2015. Having investigated the Chinese producers and exporters of HFC blends, the Commerce Department has preliminarily determined that the imports are being dumped in the U.S. market.



As a result, antidumping duties ranging from 91.99 percent to 210.46 percent are being imposed on imports HFC blends from China. A final determination will be made by the Commerce Department in June 2016.

In addition, the Commerce Department found that imports from certain Chinese producers had surged into the U.S. market after the antidumping petition was filed. The HFC Coalition provided information showing that certain Chinese producers and importers were attempting to build inventories of unfairly traded HFC blends in the U.S. market before antidumping duties would be applied. Based on this evidence, the Commerce Department concluded that "critical circumstances" exist with respect to imports from some of the Chinese producers. As a result, antidumping duties will be applied on these products retroactively. Imports from certain producers will be subject to antidumping duties on all imports after November 1, 2015.



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

INDUSTRY ARTICLE

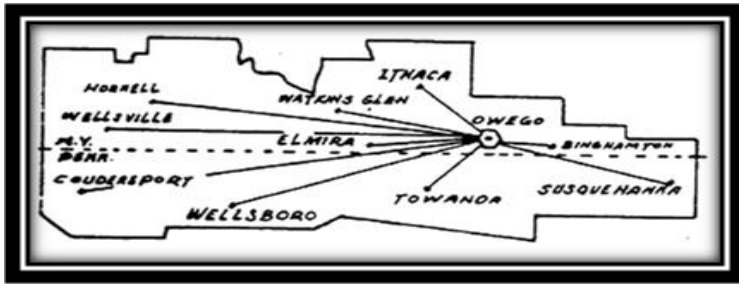
The U.S. Department of Commerce Announces Preliminary Antidumping Duties on Hydrofluorocarbon Blends Imported from China (cont.)

The HFC blends covered by this investigation include refrigerants such as R-410A, R-404A and other blends, as well as single component HFCs, such as R-32 and R-125. These products are used in air-conditioning and refrigeration systems. The HFC Coalition petitioned for relief under the antidumping law in response to large and increasing volumes of low-priced imports from China. Imports from China have increased by an astonishing 80 percent from 2012 to 2014, and continued to increase even after the antidumping petition was filed. As a result, U.S. manufacturers are losing market share and prices are rapidly falling.



The preliminary Commerce Department finding means that antidumping duties will now be applied to all imports of HFC blends and, in some cases, duties will be applied retroactively to imports that arrived since November 1, 2015. The HFC Coalition believes that the antidumping duty rates are fully justified by the evidence. Most importantly, the imposition of these antidumping duties is a positive step to restore conditions of fair trade in this market. Unless the unfairly traded imports are eliminated from the U.S. market, price levels will not sustain U.S. operations and employment. Without an adequate return on investment, the U.S. industry will be unable to maintain current production levels or to develop the next generation of refrigerants.

Cannon, James. "The U.S. Department of Commerce Announces Preliminary Antidumping Duties on Hydrofluorocarbon Blends Imported from China." *PR Newswire*. 4 Feb. 2016. Web. 4 Feb. 2016. <http://www.prnewswire.com/news-releases/the-us-department-of-commerce-announces-preliminary-antidumping-duties-on-hydrofluorocarbon-blends-imported-from-china-300215366.html?tc=eml_cleartime>. SOURCE The American Hydrofluorocarbon Coalition



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

INDUSTRY ARTICLE

Governor Cuomo Launches \$3 Million Clean Energy Competition For Colleges and Universities in New York State

www.governor.ny.gov

By Press Office of NYS Governor Jan. 22, 2016

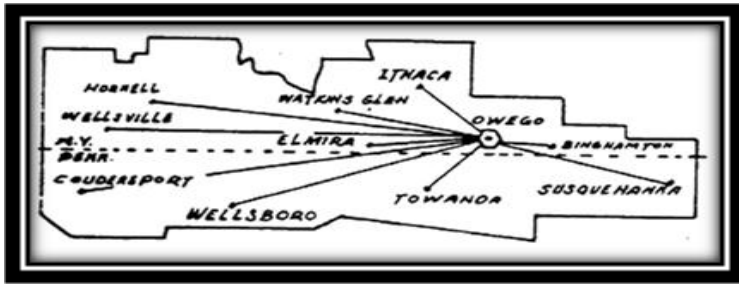
Governor Andrew M. Cuomo today launched the “Energy to Lead Competition,” which challenges student-led coalitions from New York colleges and universities to design and develop innovative plans for campus and community clean energy projects. The competition, part of the REV Campus Challenge which was announced by the Governor in October, will begin accepting applications this week.



“This competition will engage our future leaders today in this fight against climate change,” **Governor Cuomo said.** “I encourage students across the state to get involved and look forward to having their cutting-edge ideas transformed into real projects to reduce emissions, lower energy bills and improve resilience across this state.”

The “Energy to Lead Competition” is part of the Governor’s Reforming the Energy Vision, or REV, a plan to build a clean, resilient and affordable energy system for all New Yorkers. Central to the plan is engaging energy leaders of the future on core issues to help New York achieve its goal of reducing greenhouse gas emissions by 40 percent, generating 50 percent of electricity from renewable energy sources, and decreasing energy consumption in buildings by 23 percent by 2030.

The \$3 million “Energy to Lead Competition,” administered by the New York State Energy Research and Development Authority (NYSERDA) is open to student-led coalitions from two- or four-year public or private colleges or universities. Applications are available on NYSEDA’s website [here](#). Proposals must be submitted by 5 p.m., April 4, 2016.



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

INDUSTRY ARTICLE

Governor Cuomo Launches \$3 Million Clean Energy Competition For Colleges and Universities in New York State (cont.)

Richard Kauffman, Chair of Energy and Finance for New York State, said, “This competition provides an opportunity for students to embrace their central role in building a stronger economy and a healthier environment for all New Yorkers by collaborating with faculty, staff and other members of the community to demonstrate innovative and replicable clean energy solutions.”

John B. Rhodes, President and CEO of NYSERDA, said, “Under Governor Cuomo’s leadership, New York has become a national leader in developing innovative energy solutions to protect our environment and grow our economy. We encourage college and university students to take up this challenge alongside faculty, staff and others from their communities to develop their own creative and compelling solutions for campus projects that will reduce carbon emissions, improve resilience, and create a cleaner and healthier environment.”



Submissions should demonstrate innovation in one or more of the following areas: project design, business model, partnerships, and/or curriculum integration. In addition, proposals should describe the project’s potential impact in reducing or mitigating greenhouse gas emissions, as well as how its success can be measured and how the \$1 million award would be leveraged to advance the project.

All proposals must feature a least one undergraduate or graduate student from the college or university and be submitted by a faculty or staff member from that institution. Coalitions may include external, third-party consultants or other community members, or represent a collaboration among different institutions on a single project.

Students, faculty or staff interested in participating in the competition can obtain information, including submission guidelines and details about informational webinars to be held Jan. 27, Feb. 10, and March 1, at www.nysenda.ny.gov/energy-to-lead-competition.

“Governor Cuomo Launches \$3 Million Clean Energy Competition For Colleges and Universities in New York State.” New York State Governor Andrew M. Cuomo. Press Office of the New York State Governor, 22 Jan. 2016. Web. 4 Feb. 2016. <<http://www.governor.ny.gov/news/governor-cuomo-launches-3-million-clean-energy-competition-colleges-and-universities-new-york>>.

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



**Thank you
Sponsors!**

2016 Business Cards



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Engineering Specialist



TRAVIS LEBRUN

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Cell: 484/350 1954

Syracuse Territory
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Cell: 207/274-3906



Mike McGinnis, P.E.

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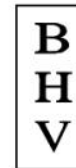


Cell (607) 422-0494
creid@bhvfab.com

Christopher Reid
Vice President

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505-507 Prentice Road – Vestal, NY 13850

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Fax (607) 797-1371



Cell (607) 422-8191
theslin@bhvfab.com

Tim Heslin

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505-507 Prentice Road – Vestal, NY 13850

DISCOVER

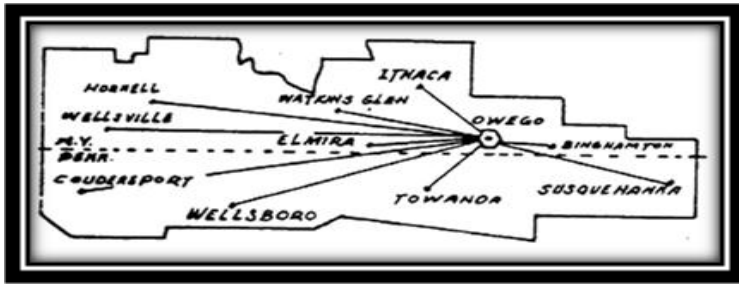


ENGINEERS WEEK

FEBRUARY 21–27, 2016

**Engineers Make
a World of Difference.
Celebrate their accomplishments.**

**www.DiscoverE.org
#Eweek2016**



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.

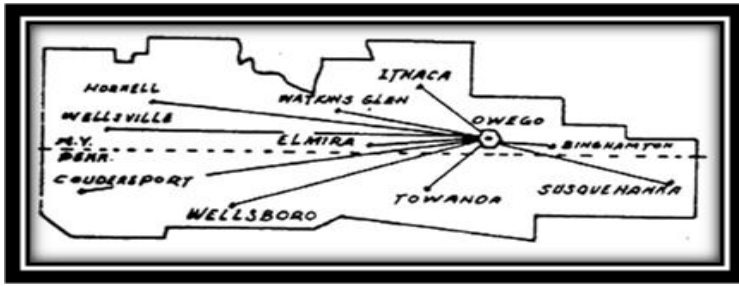
Corning’s history is filled with breakthrough technologies that have played an important role in the way the world works. We thrive on solving difficult, commercially relevant problems through an innovative and collaborative research and development process. Corning succeeds through sustained investment 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:

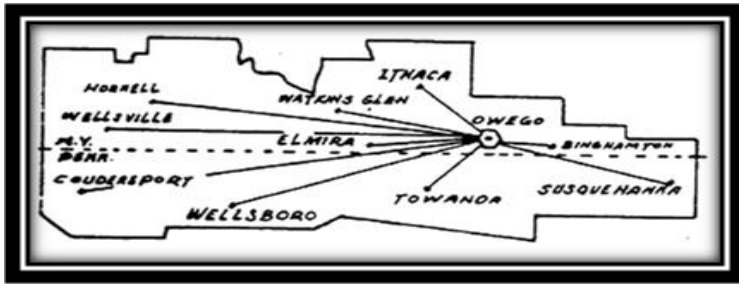
- Min. 4 yr Bachelors of Science Degree
- Min. 4 years HVAC experience in Facilities Operations/HVAC Industry

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

MECHANICAL ENGINEER (HVAC)

Tetra Tech is a leading provider of consulting, architectural, engineering, and technical services worldwide. We are a diverse company, including individuals with expertise in architectural, engineering, construction, science, research, and information technology. Our strength is in collectively providing integrated services—delivering the best solutions to meet our clients' needs. With more than 13,000 employees, 300 offices worldwide and \$2.5 billion revenue in 2014, we provide services to protect and improve the quality of life through responsible resource management, sound infrastructure, and rapid communications ability.

We offer competitive compensation and benefits and are searching for innovative people to join our teams.

We are currently seeking mechanical engineers with various levels of experience to join our team in our Ithaca, NY office.

Responsibilities include:

- Mechanical Engineering on a wide range of building projects: complexity, and responsibility level to vary with experience and ability;
- Perform site visits for existing mechanical systems evaluation and to inspect contract work in progress or completed, prepare associated engineering reports;
- Design building mechanical systems (primarily HVAC) including appropriate system concepts, calculations, energy modeling, layout, sizing, selections, specifications and coordination;
- Review and respond to project design work by team members and to RFIs, submittals, and other construction related documents and issues in a professional and timely manner;
- Monitor and controls project progress against scope, schedule, and budget;
- Attend client meetings and assist in marketing efforts.

Requirements:

Bachelor's degree in Mechanical Engineering, Mechanical Engineering Technology, or similar field;

Experience with design of mechanical systems for educational facilities is desired;

Licensed Professional Engineer (PE) or preparing to obtain professional licensure preferred;

Proficient in AutoCAD and Revit/BIM with working knowledge of MS Office;

Proficiency with building energy modeling concepts and software preferred;

Knowledge of applicable codes and standards;

Possesses and applies a broad knowledge of principles, practices and procedures to the completion of difficult assignments;

Knowledge of and demonstrated interest in energy efficient solutions and designs;

Possesses strong communication and interpersonal skills.



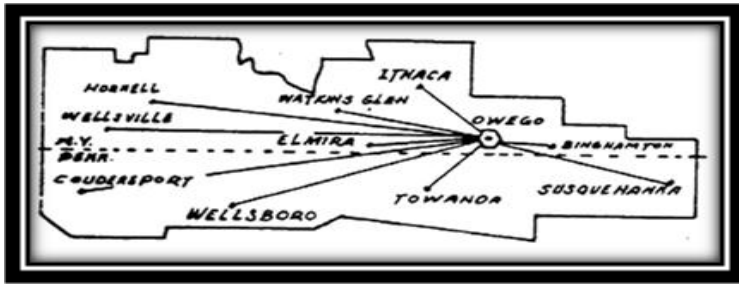
If you are interested in this opportunity apply on-line at:

<https://tetrattech.taleo.net/careersection/2/jobsearch.ftl?lang=en&portal=101>

Job Number: INE00000021

Tetra Tech is an equal opportunity employer. We invite resumes from all interested parties including, women, minorities, veteran, and persons with disabilities. Tetra Tech is a VEVRAA federal contractor.

EOE AA M/F/Vet/Disability



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.

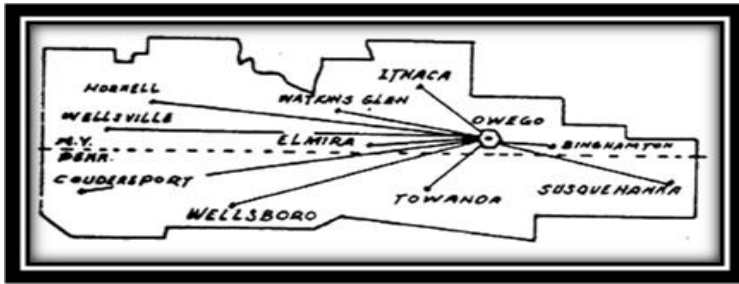
The ideal candidate will possess:

- 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.

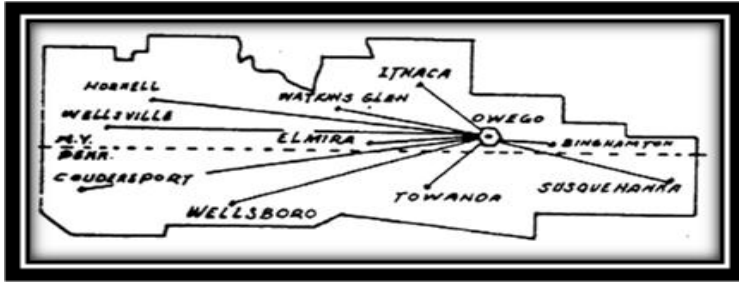
We are currently seeking a Mechanical Engineer with a strong focus and background in Building Projects to work in our Elmira Heights, NY Office. This position will work closely with the mechanical engineering staff to develop concepts, strategies, designs, drawings, specifications and reports.

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– Employment Opportunities

LaBella

Associates

Engineering
Architecture
Environmental
Planning

Junior Electrical 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.

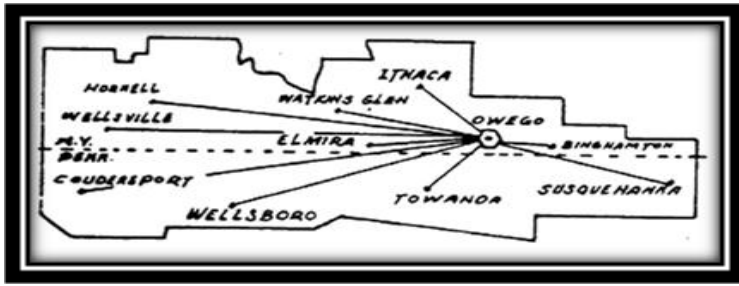
We are currently seeking a Junior Level Electrical Engineer with a career interest in Building Projects to work in our Elmira Heights, NY office. This position will work with other Engineers as part of a Project Team to develop concepts, strategies, designs, drawings, specifications and reports. Duties may also include assisting with energy clients.

AutoCad experience required. Bachelor's degree and a minimum of two years experience in the A/E consulting business is required.

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=14921461>



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.

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

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

Business Card Advertising 2016

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

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

If you aren't sure, just ask.

We are now accepting business card advertisements for the newsletters that will be published in 2016. This is a great opportunity to get your name and business in front of the over 200 subscribers to our chapter newsletter. The price for the newsletter only is \$50 for the entire 2016 year.

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

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

Twin Tier Newsletter Editor Email

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



Comments? Suggestions?

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

We welcome your feedback!



ASHRAE Mission Statement

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

Ethics Requirement for PE

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

ASHRAE Vision Statement

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

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

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

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

Twin Tiers Chapter Mailing Address:

Twin Tiers ASHRAE Chapter
P.O. Box 6706
Ithaca, NY 14851-6706