



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 2017-2018



Shaping Tomorrow's
Built Environment Today

May Meeting
May 15, 2018

PRESENTATION

CHILLER TECHNOLOGIES

SPEAKER

Bob Kimball, Multistack

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.



President's

Corner

Dear Twin Tiers Chapter Members,

It is hard to believe that this is my next to last message for the season and seems like this year has flown by. Typically, the conclusion of the Spring symposium marks the start of the countdown for our Clambake and Golf tournament in June which is the last activity in our calendar year. The clambake is scheduled for June 19 at the Links at Hiawatha Landing. **Registration is open!** More details are available on our website.

The Spring Symposium found us in yet another venue, due to some last minute unplanned conflicts with the booked spaces. Nevertheless, I felt that attendance was strong and the program put together by Kyle Nedlik was comprehensive and full of interesting topics.

I would like to thank all presenters who generously volunteered their time and without whom we would not be able to have such an event and finally a big thank you to our table sponsors.

This year, we once again had the opportunity to award three scholarships to college students interested in pursuing a degree in the engineering field. This is made possible each year through our H.O. Ward Scholarship fund. Congratulations to all three recipients, Tara Dulak and Brandon Link (Binghamton University) and George Pappas (University of New Haven).

We do care about your opinion, so I would welcome any comments or suggestions you may have about the venues we have used the last three years. If you can take some time out of your busy schedule, please share your thoughts with us as to what your preference would be for next year's event. Was the DoubleTree acceptable? Should we move back to the Treadway or Holiday Inn? Is there any other comment or suggestion you have that would make the Symposium a more worthwhile event for you to attend?

You may possibly recall that our Chapter participated in the Construction of the Southern Tier that also took place in April. Our team built the ASHRAE logo using cans; it took approximately 1,200 cans that were ultimately donated to emergency food programs throughout Broome County including food pantries, soup kitchens, and other community meal programs. Our project ended up winning a "Best Adherence to the Rules" award. A big thank you to Jason Gilbert for leading the effort, and for showing up on the day of the event even though he was not feeling well.

This month we will wrap up the season with our last Chapter Meeting that will take place in Ithaca on Tuesday May 15. We will have the pleasure of having Multi-stack Chillers' regional manager present on the various chiller technologies, including modular chillers, VFD compressors, MagLev, and heat recovery chillers. Look out for more details on our newsletter and our e-blast emails.

Sincerely,
-Petros Papathomopoulos
Twin Tiers Chapter President

Chapter President



Petros Papathomopoulos
(607) 723-9421

[Email Me!](#)

2017-2018 Chapter Officers

President-Elect

Michael McGinnis
(607) 727-3168

[Email Me!](#)



Vice President

Kyle Nedlik
(607) 321-6100

[Email Me!](#)



Treasurer

Devin Shapley
(607) 723-9421

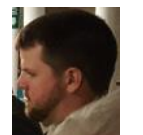
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Twin Tiers Chapter

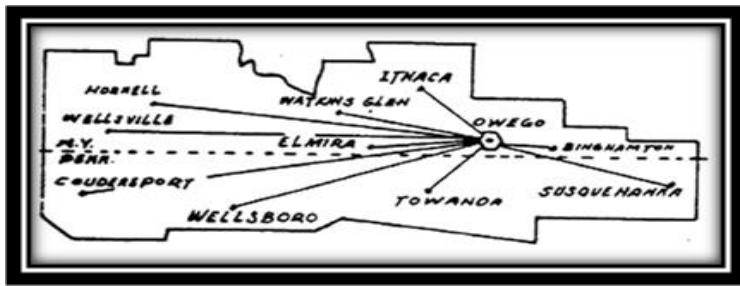
Presidential Award of Excellence (PAOE)

	Chapter Operations	Chapter Technology Transfer	Electronic Communications	Grassroots Government Activities	Historical	Membership Promotion	Research Promotion	Student Activities
MIN/ PAR	600/1200	450/1050	250/500	500/650	100/300	500/800	800/1050	300/500
Current	1505	1950	435	900	685	935	600	742

POINTS CURRENT AS OF 5/14/2018

Chapter Committee Chairs

Technology Transfer Michael McGinnis (607)727-3168 Email Me!	Government Activities Adam Keller (315) 487-8791 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 Devin Shapley (607)723-4979 Email Me!	H.O. Ward Scholarship Richard Sanguinito (607) 231-6605 Email Me!
Research Promotion Glenn Roberts (315)234-1527 Email Me!	Student Activities Victoria Kramer (607) 321-6127 Email Me!	Membership Directory Chris Wolak (484) 350-1954 Email Me!	Albern Education Fund Jason Gilbert (607) 777-2240 Email Me!
Honors & Awards Petros Papathomopoulos (607) 723-9421 Email Me!	Historian Richard Sanguinito (607) 231-6605 Email Me!	Symposium– Fall/Spring Kyle Nedlik (607) 321-6100 Email Me!	Auditing Rick Sanguinito & Andrew Nice (607) 231-6605 / 607-760-5960 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!



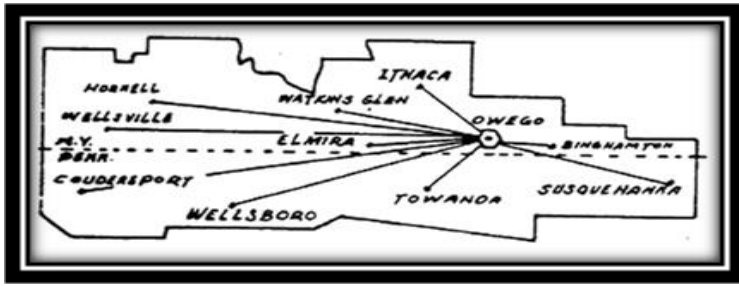
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Twin Tiers Chapter– Monthly Meeting Information

2017-2018 Meeting Dates:

Date:	Speaker	Tech Session Topic, Tour or Meeting Info	Attendance:
19-Sep	Adam Keller, Pro Air Plus Jerry Meyer Jr., MIS of America	Cooling Tower Basics Cooling Tower Shut-down and NSF Legionella Guideline	27
17-Oct	Multiple/TBD	Fall Engineering Symposium—Daytime	67
21-Nov	Michael Collins, Eagle Bay Refrigeration	TOUR Cornell University Lynah Ice Rink Refrigerant Update	12
19-Dec	William P. Bahnfleth, Ph.D., P.E., ASHRAE Distinguished Lecturer	Integrating Indoor Air Quality and Energy Efficiency in Buildings	31
16-Jan	Lanny Joyce, Mark Howe, Lou Damiani, Pete Meenan, Cornell University	TOUR Upson Hall Cornell University High performance building design - Sibley School of Mechanical and Aerospace Engineering building	?
20-Feb	Jason Gilbert	TOUR Binghamton University Heating Plant	?
20-Mar	Ernie Nitsche	TOUR Corning Inc. Sullivan Park Process HVAC Systems, Energy Management at Corning Inc. ****NOTE**** <u>A SIGNED NDA WILL BE REQUIRED FOR THIS TOUR</u>	?
17-Apr	Multiple/TBD	Spring Engineering Symposium—Daytime	?
15-May	Bob Kimball, Multistack	Chiller Technologies	
19-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.

Twin Tiers ASHRAE H.O. Ward Scholarship



By
Rick Sanguinito Historian 2017-2018

H. O. WARD SCHOLARSHIP

Date: May 8, 2018

Congratulations to the H.O. Ward Scholarship winners this year. The Twin Tiers Chapter of ASHRAE has issued the following scholarships during the lunch meeting at the April Symposium.

- | | |
|-----------------|---------------------|
| • Tara Dulak | \$1,000 Scholarship |
| • Brandon Link | \$500 Scholarship |
| • George Pappas | \$500 Scholarship |

We look forward to next year's applications!!

I want to thank all who were involved in evaluating the scholarship applications and providing input in selecting this year's recipients.

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

May Meeting Announcement

May 15, 2018

May Chapter Meeting

DATE: Tuesday, May 15th, 2018

TIME: 5:00PM

MEETING LOCATION: Hotel Ithaca
222 South Cayuga Street
Ithaca, NY 14850

PRESENTATION: Chiller Technologies

SPEAKERS: Bob Kimball, Multistack

AGENDA: 5:00 – 6:00 – Social Hour
6:00 – 7:30 – Brief Chapter Meeting, Dinner, and Presentation

MENU: Salad of Garden Greens
Rice Pilaf
Pasta Salad
Tomato Cucumber Vinaigrette Salad
Seasonal Vegetable
Breaded Pork Chops
Roasted Chicken
Ice Cream Sunday

REGISTRATION: \$25.00 Early Registration (By 5/11/2018)
\$30.00 (After 5/11/2018)

CONTACT: Mike McGinnis
(Please call, text, or email me at below with any questions or if you get lost)

E: [Email Me!](#)

C: 607-727-3168



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

[Twin Tiers Annual Golf Tournament!](#)

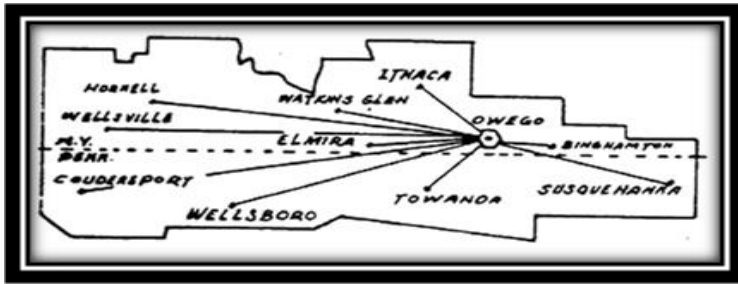


Annual Golf Tournament and Clambake

The date for the annual golf tournament and clambake is **Tuesday, June 19.** The event, both golf and clam bake, will be held at **The Links at Hiawatha Landing**. The day will begin with a 10:30am shotgun start. As in past years, the round will include lunch at the turn and keg beer all day. We will have prizes for the winning foursome, closest to pin and drive closest to the line. With its great success over the past few years, the putting contest will also be returning.

The clambake will take place immediately after golf, approximately 4pm. The menu will include 2 dozen steamed clams per person, thin sliced ribeye steak sandwiches with sautéed onions/peppers/mushrooms, chicken spiedies, salt potatoes, corn on the cob, garden salad, soft drinks, and beer. There will be door prizes. Our hope is to see lots of non-golfers join all the golfers from earlier in the day.

As always, the golf committee is looking for donations for door prizes and giveaways. Please contact Mike McGinnis or Jason Gilbert with any questions. Thank you.



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

Twin Tiers Chapter - April BOG Meeting Minutes



<http://twintiers.ashraechapters.org>

Board of Governors Meeting

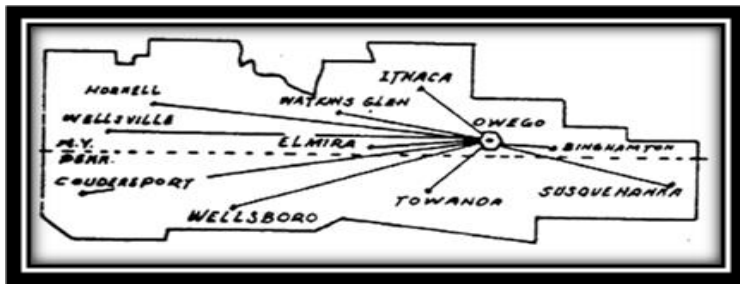
Date: April 17, 2018

Location: DoubleTree
Binghamton

Agenda

Meeting was called to order at 1:36pm

- Call to Order and Attendance: Devin S., Jason G., Petros P., Glenn R., Mike M., Rob V., Chris W., Kyle N., Adam K.
- General Announcements: 3 Scholarships applications received to-date / Announce in April?
- Treasurer's Report (Devin Shapley):
 - All accounts are in good standing.
- CTTC (Mike McGinnis / Kyle Nedlik)
 - Monthly Meetings (Mike): May Meeting? Thompkins Trust, Ithaca or SUNY Broome? Water source VRF
 - Book next year's symposium – Confirm date
- YEA (Devin Shapley/Victoria Kramer): YEA event after symposium?
- Membership Promotion (Chris Wolak):
- GGAC (Adam Keller): "Day on the Hill Event," Albany - June 5th, Adam to send email outlining details
- Student Activities (Jason Gilbert): Houston Trip
- Research Promotion (Glenn Roberts): Super bowl money has not been deposited yet. Status?
 - PAOE @ 695 at the time of the meeting
 - Deposit: \$1000 – 30% by Dec 31st, \$500 – Super Bowl, \$??? Business cards
 - RP Replacement for Glenn? Glenn Doesn't want to hog it



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

Twin Tiers Chapter - April BOG Meeting Minutes



<http://twintiers.ashraechapters.org>

Board of Governors Meeting

Date: April 17, 2018

Location: DoubleTree
Binghamton

- PAOE (Petros Papathomopoulos): Reminder to chairs that they can update PAOE points.

CATEGORY	PAR	MIN	PTS
Chapter Operations*	1200	600	945
Chapter Technology Transfer*	1050	450	1525
Electronic Communications	500	250	379
Grassroots Government Advocacy*	650	500	700
Historical Criteria	300	100	685
Membership Promotion*	800	500	760
RP*	1050	800	600
Student Activities*	500	300	305

PAOE requires achieving minimum in 5 of the 6 categories marked with *.

- New Business
 - Construction complete. Total cost approximately \$600
 - Good Event if the Budget makes sense
- Old Business

Meeting was adjourned at 1:57pm

Motioned: Mike M.

Second: Devin S.



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

2018 Canstruction Competition



TO THE TWIN TIERS ASHRAE CANSTRUCTION TEAM!!!

As you may already know our chapter fielded a team and participated in the Canstruction of the Southern Tier event, an international hunger-relief competition where teams compete to design and build structures made entirely out of canned food.

The canned food used in each structure will be distributed through CHOW to emergency food programs throughout Broome County including food pantries, soup kitchens, and other community meal programs. The funds raised will support both agencies' hunger-relief efforts including the Food Bank's BackPack Program. Winners of Canstruction of the Southern Tier will be nominated for the chance to compete on a national level.

For our inaugural structure we decided that it was fitting to attempt building the ASHRAE logo. As you can see from the photos below, Jason Gilbert and his crew did a great job of building a structure that did not collapse! This great feat of engineering utilized 1,156 cans and did win a participation ribbon for strictest adherence to the rules!





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


2018 Canstruction Competition

canstruction®


of the southern tier

2018 design-build competition



presented by



hosted by



all proceeds benefit





ASHRAE Twin Tiers Chapter

ASHRAE Logo

The structure is intended to depict the ASHRAE society logo. ASHRAE (American Society of Heating, Refrigerating, and Air-Conditioning Engineers) is an organization devoted to the advancement of indoor-environment-control technology in the heating, ventilation, and air conditioning (HVAC) industry.

Team Participants:
Jason Gilbert
Petros Papathomopoulos



Number of Cans

1156

Shopping List


Corn
Beans
Canned Sausage

Visit

www.FoodBankST.org

to vote for your favorite structure!

Sign sponsor



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What Were They Thinking???



Really? The on switch couldn't have been put inside?

**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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TRAINING



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TRAINING

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Joel Primeau, P.Eng.,
Member ASHRAE,
HBDP, LEED® AP
[View Bio >>](#)

HVAC Design: Level II – Applications

When: May 28 – 29, 2018 | Halifax, NS

Cost: \$854 (ASHRAE Member: \$699)

Company Discount: Enroll 3 or more participants from the same company at the same time and SAVE!

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

INDUSTRY ARTICLE

Governor Cuomo Announces \$3 Million to Help Vulnerable New Yorkers Stay Cool this Summer

www.governor.ny.gov

By Press Office of NYS Governor May 11, 2018

Governor Andrew M. Cuomo today announced that \$3 million is available to help New Yorkers suffering from serious health issues that are aggravated by extreme heat purchase an air conditioner. Individuals can apply now for cooling assistance through the Home Energy Assistance Program at their local department of social services.

"When the heat and humidity of summer arrives, it's important that vulnerable New Yorkers are able to stay safe and comfortable in their homes," **Governor Cuomo said**. "I encourage anyone with a medical condition that is worsened by high temperatures to apply now, so an air conditioner can be installed before the first heat wave hits."

The New York State Office of Temporary and Disability Assistance, which oversees the program, has set aside \$3 million in federal funding to provide an air conditioning unit or fan, to eligible households. Last year, 4,000 households received cooling assistance.

To qualify, applicants must meet existing HEAP eligibility criteria and income guidelines, which vary by household size, and have at least one member of the household that suffers from a documented medical condition exacerbated by extreme heat. For example, a household of four can earn up to \$53,482 a year or \$4,457 a month, and still qualify for assistance.

Cooling assistance will be provided on a first-come, first-served basis. Local Departments of Social Services will accept [applications](#) through August 31, or until funding runs out.



Office of Temporary and Disability Assistance Commissioner Samuel D. Roberts said, "We know that for some of our fellow New Yorkers, the summertime heat can pose a grave risk and this assistance could be potentially lifesaving. But it is vital that anyone who may be eligible, but does not have an air conditioner or cannot afford to purchase one, apply as soon as possible."

Congressman Eliot Engel said, "Summers are getting hotter and the threat posed by heat stroke, especially for seniors, cannot be understated. I applaud Governor Cuomo for supporting HEAP and I encourage all eligible New Yorkers to take advantage of this program."

Congressman José Serrano said, "Anyone who has lived in New York knows how hot it can get in the City during the summer. High temperatures and heat waves can be a danger and even lethal for Seniors, people with serious medical conditions, and other vulnerable populations. This funding will help low-income individuals with health issues to purchase and install air conditioners to stay cool and sheltered from the heat at home. I encourage qualifying Bronxites to apply early for this help, available on a first-come first-served basis."





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

INDUSTRY ARTICLE

Governor Cuomo Announces \$3 Million to Help Vulnerable New Yorkers Stay Cool this Summer (Cont.)



Congresswoman Nydia M. Velázquez said, "Like any form of extreme weather, the summer heat and humidity poses a serious threat for many of our City's most vulnerable seniors and working families. To this end, as we head into the summer months, I commend Governor Cuomo for taking proactive measures to help at-risk New Yorkers secure proper air conditioning. I will continue to do my part from the federal level to help families stay healthy and safe this summer."

Congressman Gregory W. Meeks said, "I appreciate Governor Cuomo's effort in planning and announcing this program. As summer is fast approaching, New Yorkers with medical conditions that make them vulnerable to heat-related illness should not have to fear the summer heat. I encourage all who may qualify to apply, take full advantage of this assistance program, and of course, to stay cool this summer."

Congressman Joe Crowley said, "Summer in New York City brings with it a sweltering heat that is unbearable for many of our most vulnerable residents. Cooling assistance will help alleviate the daily frustrations of those living with medical conditions provoked by the rising temperatures. I urge my constituents in Queens and the Bronx who are eligible for this program to apply now so they can receive accommodations before summer comes into full swing."

Congressman Brian Higgins said, "Federal HEAP resources help close the gap to ensure seniors and those in need can remain safe and healthy in their homes."

Congressman Paul Tonko said, "For New Yorkers with serious health concerns, including many of our seniors, high summer heat can be dangerous and even deadly. The risk of heat stroke and other illness is increasing for these vulnerable individuals as climate change drives temperatures higher and weather more extreme. My thanks to Governor Cuomo for championing this valuable support program that can help New Yorkers afford the cooling assistance they need to stay healthy and safe through the summer heat."

Congressman Sean Patrick Maloney said, "Older Americans and people who are sick shouldn't have to endure potentially life-threatening heat because they can't afford the high electricity costs associated with cooling their homes during a New York summer. I've been down in Washington fighting Republicans in Congress who are trying to kick people off this program - and I'm glad I've got a strong ally in Governor Cuomo who's also committed to helping these folks in need."

Congressman Adriano Espaillat said, "Extreme heat can be deadly, especially for our seniors and individuals with serious health issues. I commend Governor Cuomo on today's announcement that will help keep New Yorkers cool as we enter warmer weather months, and I encourage all eligible residents to apply for cooling assistance through the Home Energy Assistance Program (HEAP) as soon as possible to ensure that they are able to participate in this vital program and stay cool through the summer."



"Governor Cuomo Announces \$3 Million to Help Vulnerable New Yorkers Stay Cool this Summer" *New York State Governor Andrew M. Cuomo*. Press Office of the New York State Governor, 11 May 2018. Web. 14 May 2018. <<https://www.governor.ny.gov/news/governor-cuomo-announces-3-million-help-vulnerable-new-yorkers-stay-cool-summer>>.



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

Twin Tiers Chapter– Employment Opportunities

MECHANICAL ENGINEER, HVAC DESIGN

CORNING

Job Number: 25002

Location: Corning, NY

Corning is one of the world's leading innovators in materials science. For more than 160 years, Corning has applied its unparalleled expertise in specialty glass, ceramics, and optical physics to develop products that have created new industries and transformed people's lives.

Corning succeeds through sustained investment in R&D, a unique combination of material and process innovation, and close collaboration with customers to solve tough technology challenges.

Corning's Glass Technologies segment manufactures chemically strengthened cover glass, such as Gorilla® Glass® for the consumer electronics market and glass substrates for active matrix liquid crystal displays ("LCDs") that are used primarily in LCD televisions, notebook computers and flat panel displays.

Scope of Position:

Responsible for Precision HVAC Equipment Design within the Glass Melting and Forming Process, ranging from initial concept stage to final design approval and implementation, including fabrication and check-out at vendors, and follow-up to ensure that all quality, cost and safety requirements are met. Work includes support for plant expansions, along with continuous improvement projects and technology changes at equipment rebuilds/repairs.

Day to Day Responsibilities:

- Participates on project teams as an individual contributor or as a project task leader understanding the customer's requirements, developing project plans and schedule, developing scopes of work and cost estimates and supporting implementation for advanced manufacturing environments with precision HVAC equipment.
- Receive direction or guidance from a senior department member(s) to develop/strengthen process environmental engineering competencies.
- Responsible for interfacing with project managers, supervisor, process personnel, along with dept SME to insure correct technology is being scoped and installed.
- Enclosure design work using accepted good airflow management design principles and HVAC principles
- Review as needed troubleshooting and problem solving exercises for enclosure systems
- Migrate standard enclosure design specifications, qualification documents, and installation practices
- Manage external suppliers of enclosure related equipment in Asia, for detailed technical design or installation work as required.
- Support and provide ownership of enclosures as a process tool
- Lead/Participate in existing facility modification as well as new facility design to ensure design meets the goals of the process requirements.
- Maintain documentation integrity for all systems of responsibility
- Provide the project or task with sound innovative thinking, problem solving skills and customer focus.



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

Twin Tiers Chapter– Employment Opportunities

MECHANICAL ENGINEER, HVAC DESIGN (Cont.)

- Conceptual design, detailed design, CAD drawing updates, presentation at design reviews, working with other designers and process engineers, interactions with plant sites, technical guidance on equipment, working with vendors on fabrication of equipment, and compliance with department standards and policies.

Travel Requirements: Approximately 50% travel, mainly in Asia.

Work Schedule: 40 hrs per week - periodic evening or morning conference calls, Work duration Project by Project Basis

Required Skills:

- Mechanical, Engineering skills/experience
- HVAC Design and Best Practices
- Clean room Design and Operations Understanding
- Controls Experience
- Understanding Thermal dynamics Design (Heat Transfer, Heat Balance)
- Data Analysis
- Project management skills

Desired Skills:

- Experience with CAD software
- AutoCAD – 2D/3D – capable of standalone design and drawing experience
- Solid Works – capable of reviewing drawings and models
- AHU Design experience
- Capable of designing HVAC systems from concept to bidding
- Project leadership
- Capable of interacting with plant operators, contract vendors and leading the installation of proposed mechanical systems
- Construction Management experience
- Plant manufacturing Experience
- Experience working equipment vendors

For a full position description and requirements please visit the ASHRAE Twin Tiers Website.

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

EOE/AA including Veterans and Disabled.

**IF YOU ARE INTERESTED IN THIS OPPORTUNITY, PLEASE FEEL FREE TO CONTACT
JESSICA HACKER AT HACKERJL@CORNING.COM**



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

Twin Tiers Chapter– Employment Opportunities



TETRA TECH

MECHANICAL ENGINEER

Tetra Tech is a leading provider of consulting, engineering, and technical services worldwide. Our reputation rests on the technical expertise and dedication of our employees—16,000 people working together across disciplines and time zones to provide smart, sustainable solutions for challenging projects. We are proud to be home to leading technical experts in water, environment, infrastructure, resource management, energy, and international development. Tetra Tech combines the resources of a global, multibillion dollar company with local, client-focused delivery in 400 locations around the world. We offer competitive compensation and benefits and are searching for innovative people to join our teams.

Tetra Tech A&E provides planning, design and construction phase services for a wide range of building types and clients, from K-12 and higher education facilities in New York to facilities supporting governments worldwide.

We currently seek a Mechanical Engineer to work out of our Ithaca NY or Albany 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 team members on project design work, 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 exciting opportunity apply on-line at: <http://www.tetrattech.com/en/careers>

Tetra Tech is committed to creating a diverse environment and is proud to be an Equal Opportunity Employer. We invite resumes from all interested parties including women, minorities, veterans and persons with disabilities. Tetra Tech is a VEVRAA federal contractor and we request priority referral of veterans for available positions.

EOE AA M/F/Vet/Disability



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

Twin Tiers Chapter– Employment Opportunities



Senior Mechanical Engineer

Engineers thrive on solving problems by putting their logic and creativity together. They are able to invent, explore, and question to enhance the areas around us. IBI Group engineers work in multiple disciplines and collaborate on larger initiatives.

IBI Group's Binghamton, New York office is searching for a Senior Mechanical Engineer to join its growing team.

Are you looking for a challenging opportunity that can move your career to the next level?

Then come discover what IBI has to offer.

IBI Group offers you a career you can Define...Discover It!

Responsibilities:

- Responsible for the technical and design development for assigned projects.
- Functions in the role of project leader and handles project management tasks and supervises the mechanical design and technical aspects.
- Produces design work according to established standards, methods, and procedures of the office.
- Coordinates and develops the layout, design, drafting, and specifications produced by architectural and engineering staff members who are part of the project team.
- Develops project cost estimates.
- Supervises technical staff and provides design guidance.
- Supervises the preparation and checks the accuracy of contract documents.
- Incorporates applicable codes, construction techniques, and sequences in various projects including all aspects of cross disciplines.
- Conducts site observations as required to perform the design.
- Conducts site observations of mechanical systems during construction operations. Performs other associated construction phase tasks.

Qualifications:

- Experience in designing HVAC systems for educational, commercial, institutional, and industrial facilities
- In addition to HVAC system design experience; experience with Plumbing design and Fire Protection design strongly desired.
- At least 5 years design experience
- Bachelor's degree in Mechanical Engineering
- EIT required; Registration as a Professional Engineer in New York State strongly desired
- Working knowledge of AutoCAD, BIM/Revit
- Effective communication (verbal and written) in English
- Strong team player
- Highly proactive and detail oriented
- LEED certification is a strong asset

We are a global team of dedicated and experienced architects, engineers, planners, designers and technology professionals who share a common desire – to help our clients create livable, sustainable, and advanced urban environments.

From high-rises to industrial buildings, schools to state-of-the-art hospitals, transit stations to highways, airports to toll systems, bike lanes to parks, we design every aspect of a truly integrated city for people to live, work, and play.

Our collaborative and combined approach focuses not only on creating the best solutions today, but also determining the right solutions for tomorrow.

We believe cities in the future must be designed with intelligent systems, sustainable buildings, efficient infrastructure, and a human touch.

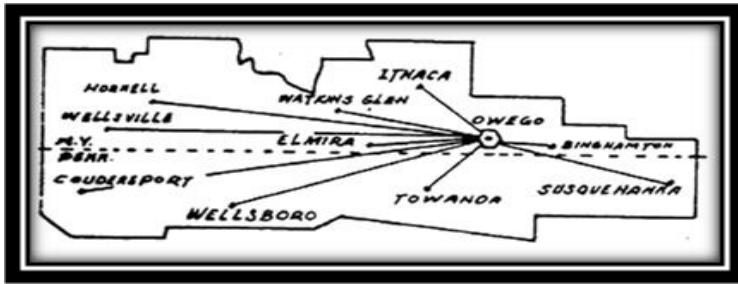
At IBI, we're defining the cities of tomorrow.

Applicants for U.S. based positions with IBI Group must be legally authorized to work in the United States. Verification of employment eligibility will be required at the time of hire. Visa sponsorship is not available for this position.

IBI Group is an Equal Employment Opportunity/Affirmative Action Employer and maintains a Drug-Free Workplace.

EOE-M/F/Vet/Disability

Contact: Linda Gauld linda.gauld@ibigroup.com (+1 519 472 7328 ext 261)



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– Business Cards Advertisement for Newsletter

ADVERTISE your business card:

- Current business card adds will expire at the end of this year, December 31, 2018.
- New subscription will run the calendar year 2018.
 - Cost to advertise for the 2018 year is \$50.
- Sign up now for the 2018 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 2018

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 2018. This is a great opportunity to get your name and business in front of the over 250 subscribers to our chapter newsletter. The price for the newsletter only is \$50 for the entire 2018 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

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