



Twin Tiers Chapter

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

November Meeting

November 21, 2017

Theme: Refrigeration!

TOUR:

Cornell University Lynah Ice Rink

PRESENTATION:

**Refrigerant Changes in the HVAC
and Refrigeration Markets**

Michael Collins, Eagle Bay Refrigeration

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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TWIN TIERS TALK



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



Corner

President's

Dear Twin Tiers Chapter Members,

I hope everyone is enjoying the Fall season. Looking back on October, I would like to take a moment to acknowledge Kyle Nedlik's efforts and assistance with putting together a great panel of speakers for the 2017 Southern Tier Professional Development Symposium, held at the Binghamton Holiday Inn Arena. This event was a joint venture with multiple professional organizations that are active in our area and was very well attended.

I, along with the board members and committee chairs, would be very interested to hear from you, our members. Tell us what you like or don't like about our events; with your feedback, we can improve our meetings and presentations to offer greater value to you.

November will find us back on familiar ground at Cornell University, for a Tour of the Cornell Lynah Ice Rink, followed by a presentation on changes on the ever-evolving HVAC and refrigeration markets. Aaron DeBolt of Cornell University will be our Tour Guide for the evening and Michael Collins of Eagle Bay Refrigeration will be our presenter. As always, see our newsletter for additional meeting details and future planned events.

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

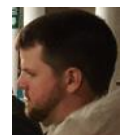
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Secretary

Adam Keller
(315) 487-8791

[Email Me!](#)



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

Twin Tiers Chapter

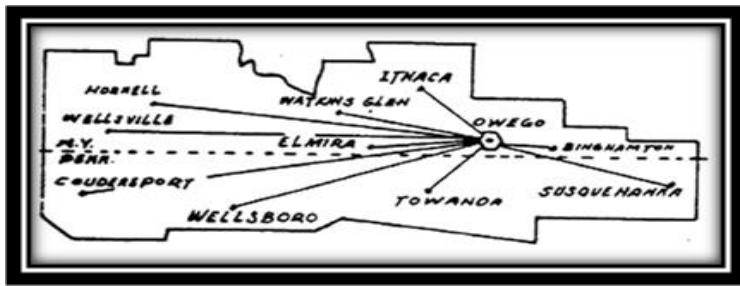
Presidential Award of Excellence (PAOE)

	Chapter Operations	Chapter Technology Transfer	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	660	300	125	250	285	835	430	225

POINTS CURRENT AS OF 11/09/2017

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!



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

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	
19-Dec	Distinguished Lecturer	TBD	
16-Jan	Lanny Joyce, Mark Howe, Lou Damiani, Pete Meenan, Cornell University	<u>TOUR</u> Upson Hall Cornell University High performance building design - Sibley School of Mechanical and Aerospace Engineering building	
20-Feb	Jason Gilbert	<u>TOUR</u> Binghamton University Building	
20-Mar	Ernie Nitsche	<u>TOUR</u> Corning Inc. Sullivan Park Process HVAC Systems, Energy Management at Corning Inc.	
17-Apr	Multiple/TBD	Spring Engineering Symposium—Daytime	
15-May	Doug Clay, Sack Engineering	<u>TOUR</u> Tompkins Trust Building New Tompkins Trust HQ Project – Water Source VRF, DOAS, Cooling Tower, Boilers	
19-Jun	None	Golf Tournament	

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

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**Thank you
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Research Promotion Message

Chapter Research Promotion

Dear ASHRAE Twin Tiers Member or Research Promotion (RP) Supporter,

As the RP Chair and a fellow member of the Twin Tiers Chapter, I wanted to personally ask you for your help in supporting ASHRAE Research. ASHRAE's research program, established in 1912, supports 140 research projects with a combined value of more than \$15 million. Research focus includes energy and resource efficiency, indoor environmental quality, design, operation and management tools, alternative technologies, and materials and equipment. Through scholarships, grants and awards, the Society supports engineering education for undergraduate students and research projects for graduate engineering students and new post-doctoral scholars.

For Research Information please see the following site:

<https://www.ashrae.org/standards-research--technology/ashrae-rp>

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

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

or send a check to:

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

Make check payable to "RP Donation-ASHRAE Twin Tiers"

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

Air Temp Heating & Air Conditioning Inc

Michael Colwell

Travis Fisher

Brenton Ingraham

Christopher Kopec

Louis N Picciano & Son Incorporated

Mark Mattina

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Meier Supply Company

Raymond Millard

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Kyle Nedlik

Joseph O'Hara

Petros Papathomopoulos

Plumbers & Pipefitters Union 112

Francis Plunkett

Pro Air Plus Inc

Glenn Roberts

Norman Scott

Devin Shapley

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

Email me, or come see me at a Chapter Meeting if you have any questions.

Glenn Roberts

Twin Tiers Research Promotion Chair

[Email Me](#)



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

November Meeting Announcement

November 21, 2017

November Chapter Meeting

- DATE:** Tuesday, November 21th, 2017
- TIME:** 5:00PM
- TOUR LOCATION:** Cornell Lynah Ice Rink
536 Campus Drive
Ithaca, NY 14853
- MEETING LOCATION:** Hotel Ithaca
222 South Cayuga Street
Ithaca, NY 14850
- TOUR:** Cornell University Lynah Ice Rink
- TOUR GUIDE:** Aaron DeBolt, Cornell University
- PRESENTATION:** Refrigerant Changes in the HVAC and Refrigeration Markets
- SPEAKER:** Michael Collins, Eagle Bay Refrigeration
- AGENDA:** 5:00 – 5:15 – Meet for the Tour
5:15 – 6:15 – Tour of the Ice Rink
6:30 – 8:00 – Brief Chapter Meeting, Dinner, and Presentation
- MENU:** Buffet Dinner
- REGISTRATION:** Register online at <http://twintiers.ashraechapters.org/> (Under the “Programs” Tab)
\$25.00 Early Registration (By 11/17/2017)
\$30.00 (After 11/17/2017)
- CONTACT:** Mike McGinnis
(Please call, text, or email me at below with any questions or if you get lost)
E: [Email Me!](mailto:Mike@twintiers.ashraechapters.org)
C: 607-727-3168

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**Thank you
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2017 Business Cards



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

Twin Tiers Chapter – October BOG Meeting Minutes



<http://twintiers.ashraechapters.org>

Board of Governors Meeting

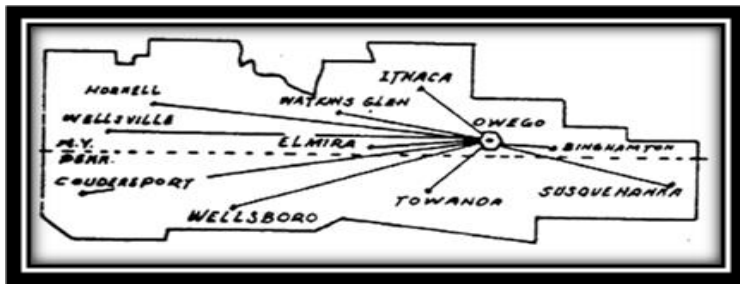
Date: October 17, 2017

Location: Water Str Brewing Co.,
Water Str, Binghamton, NY

Agenda

Meeting was called to order at 4:10 pm

- Call to Order and Attendance: Mike M., Devin S., Rob V., Jason G., Petros P., Andy N., Adam K., Chris W.
- General Announcements:
- Treasurer's Report (Devin Shapley & Kyle Nedlik):
 - M&T: ACCOUNT IN GOOD STANDING
 - PayPal: ACCOUNT IN GOOD STANDING
 - H.O. Ward (\$20,000 principal): ACCOUNT IN GOOD STANDING
 - William & Joan Albern (\$20,000 principal): ACCOUNT IN GOOD STANDING
 - 2017-2018 Budget – Motion to approve by Mike M. – Second by Chris W.
 - Tax forms signed by President/Treasurer. Rick Sanguinito will mail forms and check.
- CTTC (Mike McGinnis / Kyle Nedlik)
 - Fall Symposium(Kyle): Attendance similar to 2016
 - Monthly Meetings (Mike):
 - No Wegmans for Nov (can't go in Nov. or Dec.)
 - Cornell Ice Rink?
 - Jan @ Statler / Upson hall
 - Wegmans in Feb. or March?
- YEA (Devin Shapley):
 - Jeopardy in Bearcat Room
 - Paintball in May?
- Membership Promotion (Chris Wolak): via e-mail: Attended centralized training in Atlanta
 - 7 delinquents
- GGAC (Adam Keller): - Government Officials list by December
- Student Activities (Jason Gilbert): E-Board to Organize GIM
 - Travis: Update on Cornell?
 - Students need to develop a budget for the winter trip
 - Alfred?
 - Put student resume on ASHRAE website



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

Twin Tiers Chapter – October BOG Meeting Minutes

- Research Promotion (Glenn Roberts): What is the plan for earning RP points? (Option 1 vs Option 2).
-Full circle donations all set
- PAOE (Petros Papathomopoulos): Reminder to chairs that they can update PAOE points.

CATEGORY	PAR	MIN	PTS
Chapter Operations*	1200	600	660
Chapter Technology Transfer*	1050	450	300
Electronic Communications	500	250	50
Grassroots Government Advocacy*	650	500	250
Historical Criteria	300	100	285
Membership Promotion*	800	500	835
RP*	1050	800	0
Student Activities*	500	300	150

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

ALL RP POINTS ARE ENTERED BY ASHRAE STAFF. SEE THE 2017-2018 PAOE NEWSLETTER FOR RP CRITERIA. SEE PAOE POINT SUMMARY REPORT ON WEBSITE OR RP TRAINING MANUAL FOR RP YEAR-TO-DATE POINTS. The RP Report is sent to the Chapter RP Chair at the end of each month and to the Chapter Presidents four times during the campaign (December, March, May and July).

- New Business
 - Thompkins Update: vote on resolution authorizing Petros, Mike and Kyle to access the accounts and sign forms. Needed for setting up online access.
- Travis motion to approve, second by Devin
- Old Business
 - Sign form for M&T to update roster. Devin to update
 - Chapter Homepage Editor / Webmaster position: Mike has shared webpage files with Travis and Petros.

Meeting was adjourned at 4:48

Motioned: Devin

Second: Petros



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



2018 Call for Entries

It starts with ONE can. To feed the hungry. To lift the spirit. To change the world. Canstruction is an international hunger-relief competition where groups compete to design and build giant structures made entirely from canned foods! 100% of monetary and food donations from Canstruction will go towards the Food Bank of the Southern Tier and CHOW's hunger-relief work in Broome County.



The Southern Tier is joined by 100 cities across North America who will hold Canstruction competitions in the coming year. Highlighting the creativity and compassion of architectural and engineering groups, these astounding structures are helping to change the world—by lifting the spirits of those in need, by raising public awareness, and most importantly, by collecting millions of pounds of food for local food banks.

Do you think you have what it takes to design and build a structure made of nothing more than canned food,

When: April 8 - 15, 2018

Where: Oakdale Mall, 601-635 Harry L. Drive, Johnson City, NY

Costs: Entry Fee is \$100 per team (non-refundable)

Teams are responsible for acquiring the canned food their structures

For more information: visit www.foodbankst.org/canstruction or contact the Canstruction Chair, Kyle Nedlik via email at BLI.Canstruction@gmail.com

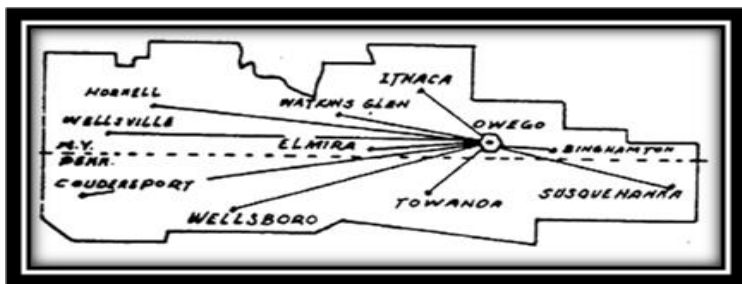


Name	_____
Address	_____
City State Zip	_____
Contact Name	_____
Phone Number	_____
Email	_____

Please complete this form and mail with your payment by **Friday, January 12, 2018** to:
Food Bank of the Southern Tier | 388 Upper Oakwood Avenue, Elmira, NY 14903 | 607.796.6061

**All proceeds
benefit hunger
relief in Broome
County:**





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

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Shey Doane
Sales Engineer



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www.camfil.com



Joe O'Hara, NCT
Branch Sales Manager



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>



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

TRAINING



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TRAINING

ASHRAE Learning Institute 2017 Online Course Series

2 WAYS TO REGISTER

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Phone: Call 1-800-527-4723 (US and Canada) or 404-838-8400 (worldwide)

One-part course (3 hours) \$284 (\$219 ASHRAE Member) — — — Two-part course (6 hours) \$484 (\$359 ASHRAE Member)

Basics of High-Performance Building Design

Wednesday, February 8, 2017 – 1:00 p.m. to 4:00 p.m.

Designing Toward Net-Zero Energy Commercial Buildings

Tuesday, February 14, 2017 – 1:00 p.m. to 4:00 p.m.

ASHRAE Guideline 0: The Commissioning Process

Tuesday, February 21, 2017 – 1:00 p.m. to 4:00 p.m.

Commissioning Process & ASHRAE Standard 202

Monday, February 27, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! Fundamental Requirements of Standard 62.1-2016

Thursday, March 9, 2017 – 1:00 p.m. to 4:00 p.m.

Commissioning Process in New and Existing Buildings

Part I: Monday, March 13, 2017 – 1:00 p.m. to 4:00 p.m.

Part II: Wednesday, March 15, 2017 – 1:00 p.m. to 4:00 p.m.

Design of Affordable & Efficient Ground Source Heat Pump Systems

Wednesday, March 29, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! Complying with Standard 90.1-2016: Envelope/Lighting

Wednesday, April 5, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! Complying with Standard 90.1-2016: HVAC/Mechanical

Tuesday, April 11, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! Complying with Standard 90.1-2016: Appendix G

Tuesday, April 18, 2017 – 1:00 p.m. to 4:00 p.m.

Air-to-Air Energy Recovery Fundamentals

Wednesday, May 3, 2017 – 1:00 p.m. to 4:00 p.m.

Air-to-Air Energy Recovery Applications: Best Practices

Tuesday, May 9, 2017 – 1:00 p.m. to 4:00 p.m.

Humidity Control: Basic Principles, Loads and Equipment

Tuesday, June 13, 2017 – 1:00 p.m. to 4:00 p.m.

Humidity Control: Applications, Control Levels and Mold Avoidance

Tuesday, June 20, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! New ASHRAE-Classified Refrigerants to Meet

Society's Changing Needs

Tuesday, July 11, 2017 – 1:00 p.m. to 4:00 p.m.

Advanced High-Performance Building Design

Wednesday, August 9, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! Fundamental Requirements of Standard 62.1-2016

Wednesday, September 6, 2017 – 1:00 p.m. to 4:00 p.m.

Designing High-Performance Healthcare HVAC Systems

Tuesday, September 19, 2017 – 1:00 p.m. to 4:00 p.m.

Laboratory Design: The Basics and Beyond

Tuesday, October 10, 2017 – 1:00 p.m. to 4:00 p.m.

Introduction to Ultraviolet Germicidal Irradiation (UVGI) Systems

Monday, October 16, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! Complying with Standard 90.1-2016

Part I: Wednesday, November 1, 2017 – 1:00 p.m. to 4:00 p.m.

Part II: Tuesday, November 7, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! New ASHRAE-Classified Refrigerants to Meet

Society's Changing Needs

Tuesday, December 5, 2017 – 1:00 p.m. to 4:00 p.m.

ASHRAE HVAC Design Training

2 Courses, 5 Days of Intense Instruction

Atlanta • Dallas • Doha • Hartford • Toronto

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 and learn how your Chapter can earn PAOE points.

Contact Karen Murray (kmurray@ashrae.org) to discuss scheduling ASHRAE HVAC Training in your Chapter area.



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

INDUSTRY ARTICLE

Governor Cuomo and Attorney General Schneiderman Announce Intent to Sue EPA Over Failure to Protect New Yorkers from Out-Of-State Air Pollution

www.governor.ny.gov

By Press Office of NYS Governor Oct. 26, 2017

Governor Andrew M. Cuomo and Attorney General Eric T. Schneiderman today filed a [notice of intent](#) to sue the Environmental Protection Agency for violating the federal Clean Air Act by failing to curb ground-level ozone (or "smog") pollution that blows into New York from upwind states.

At least one in three New Yorkers breathe air with unhealthy levels of smog pollution, with some analyses placing it as high as two in three New Yorkers (approximately 12.7 million people). The EPA's own studies demonstrate that pollution from states upwind of New York contributes substantially to the state's dangerous smog problem. Specifically, New York is asking that EPA require sources in five states—Illinois, Michigan, Pennsylvania, Virginia, and West Virginia—do their fair share to address pollution impacting New York.

"New York is doing everything in its power to reach our clean energy goals, limiting air pollution and reducing our carbon footprint in every corner of the Empire State - but air pollution knows no borders," **Governor Cuomo said.** "With this action, New York makes it clear that we will not stand idly by as other states shun their responsibility to keep our nation's air quality safe. It's critical that these states take the necessary steps to reduce their environmental impact for future generations and I urge them to follow New York's lead to secure a cleaner and greener tomorrow for all."

"Millions upon millions of New Yorkers are still breathing unhealthy air due to smog pollution, a huge amount of which is blowing into New York from upwind states," **said Attorney General Schneiderman.** "If the EPA won't follow the law, we'll sue to protect the health of New Yorkers."



New York has some of the strictest air quality regulations in the country and pollutants that cause smog - such as nitrogen oxides and volatile organic compounds - are well controlled. In fact, New York has among the lowest emissions of NOx and VOCs in the country. Despite New York's best efforts to combat smog pollution, the New York City metropolitan area has struggled for years to meet the federal health standard for smog and - according to a 2017 America Lung Association report - it is the ninth most smog-polluted area in the nation.

The EPA has concluded that there are a number of dangerous health impacts associated with elevated levels of smog, including lung tissue damage, and aggravation of existing conditions, such as asthma, bronchitis, heart disease, and emphysema. Exposure to smog is also linked to premature death. Some groups - including children, the elderly, and those with existing lung diseases, such as asthma - are at especially heightened risk from smog pollution.

"To protect the public and our environment, New York has some of the most rigorous air quality standards in the nation," **said Department of Environmental Conservation Commissioner Basil Seggos.** "But pollution doesn't recognize state borders, and without the EPA requiring states upwind states to limit pollution, we are left to further limit pollution from New York sources. For the sake of public health, we're calling on EPA to act."



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

INDUSTRY ARTICLE

Governor Cuomo and Attorney General Schneiderman Announce Intent to Sue EPA Over Failure to Protect New Yorkers from Out-Of-State Air Pollution (Cont.)

The "Good Neighbor" provision of the federal Clean Air Act requires the EPA to step in and adopt plans to reduce interstate smog pollution when the actions of upwind states are not sufficient to ensure that federal smog health standards can be met and sustained in downwind states like New York. The EPA's obligation under the Act to adopt such plans - known as "Federal Implementation Plans" or "FIPs" - reflects the Agency's unique position and authority, as a federal agency, to ensure that the individual efforts of multiple upwind states will be sufficient, in aggregate, to solve regional air pollution problems, such as smog.

On August 12, 2015, the EPA determined that the planned actions of 24 states, including several states upwind of New York (Illinois, Michigan, Pennsylvania, Virginia, and West Virginia), would not sufficiently and collectively reduce pollution emissions to ensure that federal smog health standards could be met and sustained in New York. This determination triggered a two-year deadline under the Clean Air Act - ending August 12, 2017 - for the EPA to adopt FIPs for these upwind states. Despite this statutory deadline, the EPA has to date failed to adopt these legally-mandated plans.



Relatedly, a federal court recently held that the EPA had not fulfilled its obligation to issue a FIP for Kentucky's Good Neighbor provision obligations under the 2008 ozone standard by the statutory deadline and, in May 2017, denied a Trump EPA request for an additional 20-month delay in issuing the FIP.

The Clean Air Act requires parties to provide the EPA notice of their intention to sue the Agency under the Act. Accordingly, Attorney General Schneiderman is today informing EPA Administrator Scott Pruitt that unless the Agency fulfills its mandatory duty under the Good Neighbor provisions of the Act and protects New Yorkers from smog pollution within 60 days, he will sue the to compel Administrator Pruitt to fulfill that duty.

Smog is not emitted directly into the air, but forms when other pollutants, such as nitrogen oxides and volatile organic compounds, react in the presence of sunlight. NO_x and VOCs can travel hundreds of miles after they are emitted. The EPA has recognized for decades the regional nature of the smog, and that pollution from power plants, motor vehicles, factories, refineries, and other emission sources located in multiple upwind states contributes to downwind states' smog problems. Because of this, the EPA has long known that downwind states cannot solve their smog problems on their own, and that reducing smog in downwind states such as New York requires upwind states to reduce their "interstate transport" of smog pollution.

"Governor Cuomo and Attorney General Schneiderman Announce Intent to Sue EPA Over Failure to Protect New Yorkers from Out-Of-State Air Pollution " *New York State Governor Andrew M. Cuomo*. Press Office of the New York State Governor, 26 Oct. 2017. Web. 10 Nov. 2017. <<https://www.governor.ny.gov/news/governor-cuomo-and-attorney-general-schneiderman-announce-intent-sue-epa-over-failure-protect>>.

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

Twin Tiers Chapter– Employment Opportunities



Sr. Mechanical Designer

Rewards and Benefits

A rich array of services, programs and benefits to help employees advance in their career and enhance the quality of personal life, including: employee wellness, childcare and adoption assistance, and parental leave. Impressive educational benefits, including: tuition-free Extramural Study and Employee Degree Program, Tuition Aid for external education, Cornell Children's Tuition Assistance program. Competitive compensation, health insurance, and a retirement plan with generous employer contribution. Generous paid leave provisions: 3 weeks of vacation, 12 holidays (including end of year winter break through New Year's Day). For more information, visit <https://hr.cornell.edu/benefits-pay>

Key Responsibilities

The Sr. Mechanical Designer (Facilities Designer II) designs HVAC, fire protection, and plumbing systems, as well as generates plans and specifications for maintenance, repair and alteration projects within the Facilities Engineering Mechanical Design Section. The Sr. Mechanical Designer also estimates costs for mechanical systems designs, and organizes design and drafting efforts to deliver designs within project budgets and schedules, as well as performs design construction administration of small projects (under \$100,000 in total project costs) by attending job meetings, facilitating communication and conducting field inspections. They will also initiate vendor contacts as required to select and specify equipment.

Core Qualifications

Required

Associate's degree 2 years minimum in mechanical engineering technology, construction technology or related field and at least 5 years relevant experience in design of HVAC, plumbing, and fire protection systems, or equivalent combination of education and experience. Working knowledge of current codes and industry standards in discipline (NYS Building Codes, ASHRAE, ASME, NFPA). Technical knowledge of design and construction industries. Must be knowledgeable of building mechanical systems and construction estimating. Ability to comprehend construction drawings and specifications.

Must have experience in lab renovations and critical environments including but, not limited to cleanrooms design, walk-in industrial refrigeration coolers, and high purity material of construction selection, as well as facilities engineering experience in sprinkler design, hydraulic calculations, controls, duct and piping design. Experience with writing technical specifications, and multidiscipline drawing coordination.

Preferred

Bachelor's degree in Mechanical Engineering from an ABET-accredited program (BSME preferred). Ability to move projects to successful conclusion. Practical experience in plumbing, piping, and fire protection systems. Experience in REVIT and 3-D drafting.

For a more detailed position description and to create a profile to apply online please follow this link, <https://hr.cornell.edu/jobs/external-applicants> and get connected to Cornell recruiters.



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:

- Design of building mechanical systems (HVAC) including appropriate system concepts, calculations, energy modeling, layout, sizing, selections, specifications and coordination
- Perform site visits of existing mechanical systems for evaluation or to inspect work in progress or completed
- Review and respond to team member on project design work, RFIs, submittals, and other construction related documents and issues in a professional and timely manner
- Monitor and control 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 with 8 years of experience designing building mechanical (HVAC) systems.
- Experience with Design of mechanical (HVAC) systems for educational facilities is desired.
- Licensed Professional Engineer (PE) or EIT and 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.

If you are interested in this exciting opportunity apply on-line at: <http://www.tetratech.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



TETRA TECH SENIOR 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 Senior Mechanical Engineer to work out of our Ithaca NY, Albany NY, Farmingdale NY, or Marlborough, MA office.

Responsibilities include:

- Design of building mechanical systems (primarily HVAC) including appropriate system concepts, calculations, energy modeling, layout, sizing, selections, specifications and coordination
- Perform site visits of existing mechanical systems for evaluation or to inspect work in progress or completed
- Acts as lead engineer on projects and provides conceptual guidance to Mechanical Designers and Mechanical Engineers on wide range of projects.
- Provides consultation to professional co-workers. Mentors junior level department designers.
- Review and respond to team member on project design work, RFIs, submittals, and other construction related documents and issues in a professional and timely manner
- Monitor and control 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 with 15 years of experience designing building mechanical (HVAC) systems.
- Experience with design of mechanical (HVAC) systems for educational and federal facilities is desired.
- Licensed Professional Engineer (PE) in New York State, with ability to be licensed in other states as requested.
- 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, and in LEED strategies and designs.

If you are interested in this exciting opportunity apply on-line at: <http://www.tetratech.com/en/careers>



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.

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

Twin Tiers Chapter– Employment Opportunities



Design Your Career

Senior Mechanical Engineer – Buildings

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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

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

Twin Tiers Chapter– Business Cards Advertisement for Newsletter

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

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- 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 2017. 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 2017 year.

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

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

[Twin Tier Newsletter Editor Email](mailto:twintiernewsletter@ashraechapters.org)

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



Comments? Suggestions?

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We welcome your feedback!



ASHRAE Mission Statement

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

Ethics Requirement for PE

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

ASHRAE Vision Statement

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

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

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

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

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