



# 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 2015-2016



Shaping Tomorrow's  
Built Environment Today

### January Chapter Meeting

January 19, 2016

#### Presentation:

ANSI/ASHRAE Standard 188-2015—Legionellosis:  
Risk Management for Building Water Systems

#### Presenter:

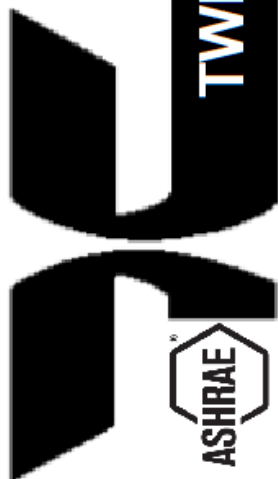
Michael P. Patton, International Sales Manager  
(Griswold Water Systems)

Tim Fitzpatrick, Director, Occupational, Health,  
Safety & Injury Prevention (Cornell University)

#### Nightly Theme: Membership Promotion

(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,

Happy New Year to all! Now that the holidays have left us with joy and warmth from time with our families, winter is now reminding us that it's time to bundle up and get back to work. I'd like to share with you some New Year predictions; I will not get my snow blower out of the garage, someone will eat a green jellybean and will announce a newborn will be on the way, and we will continue to have excellent presenters coming your way for the rest of this year. Being optimistic in the grayest and shortest hours of daylight of the year is easy when you think of that groundhog in Pennsylvania predicting Spring in a few short weeks. Spring really is only 10 weeks or less away. And with a strong El Nino in the Pacific Ocean, we practically should see Oregon's rain season instead of the Twin Tiers white stuff.

Last month's chapter meeting had a good turnout with some new faces along with our past presidents at Ithaca College. Thank you George Lampila for an excellent tour of the Peggy R. Williams Center and a bonus tour of the Park Center for Business and Sustainable Enterprise. Also, thank you past president Casey Bernhard (Rochester Chapter) for coming to our Twin Tiers Chapter meeting and presenting on retro-commissioning. I thank you all who came to the RP Event and were either a spectator or participant. The money raised helped with Twin Tiers commitment to reach our RP goals for 2015/16. January we'll circle back on the NY State Mandate on water testing for legionella and information will be coming from Andy on opportunities to participate with Super Bowl 50-50/50 board. February is a great time for our YEA's and new students to **SAVE THE DATE:** Feb. 10<sup>th</sup> will be a joint meeting with the Central NY Chapter in Polkville (near Cortland) at Intertek touring their testing facilities.

Keeping with the short sightedness of the future...it's almost 2020, and we're not talking about Jake Schatz's eagle-eye vision. In 2007 AIA, ASHRAE, USGBC and IESNA agreed to set the baseline for the 2030 Challenge to the 2003 CBECS data for whole building energy use. This is significant in that all new buildings and major renovations will be designed for a fossil fuel reduction of 80% (currently 70% today). It is a great time for the engineering community to be informed of new technologies and challenges along the way to assisting those building owners that have made their own promise to go carbon neutral. You as a designer, engineer, manager will need to be flexible with choices made now and not fall into a rut of doing the same design tomorrow. Ask yourself, "What is my short term goal for my career development? And long-term, where will I be in 2030?" The challenge is that we're entering the golden age of engineering where there is a shortage of new hires having time to learn from the engineers retiring. If you or your child are interested in a student scholarship, please contact Jason Gilbert (Student Chair) or any of the Twin Tiers officers for information. Deadline for student scholarship applications to be received no later than Feb. 15<sup>th</sup>, 2016.

If you're considering joining our Board of Governors next year, please let me or one of the other officers know. We'd be glad to talk with you.

Doug Breese, Twin Tiers Chapter President

## Chapter President



Doug Breese  
(585) 402-7090

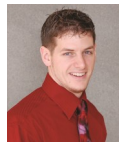
[Email Me!](#)

## 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!](#)



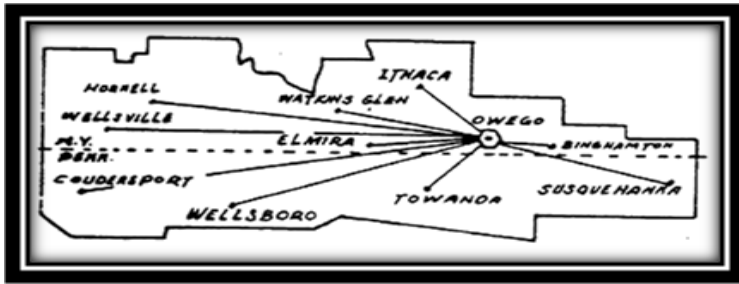
### Secretary

Michael McGinnis  
607.727.3168

[Email Me!](#)

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## Twin Tiers Chapter

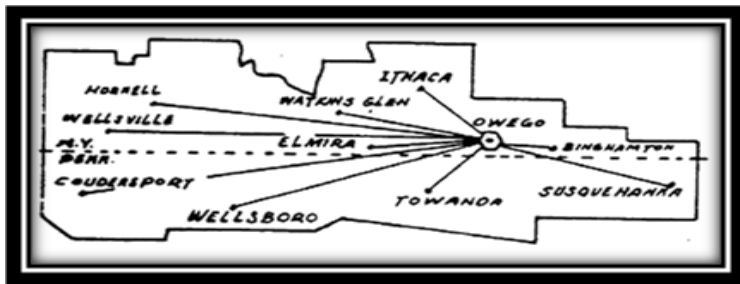
### Presidential Award of Excellence (PAOE)

	Membership Promotion	Student Activities	Research Promotion	Historical	Chapter Operations	Chapter Technology Transfer	Grassroots Government Activities
<b>MIN/PAR</b>	<b>500/800</b>	<b>300/500</b>	<b>800/1050</b>	<b>100/300</b>	<b>400/1000</b>	<b>450/1050</b>	<b>500/650</b>
<b>Current</b>	<b>225</b>	<b>50</b>	<b>480</b>	<b>150</b>	<b>495</b>	<b>400</b>	<b>375</b>

100 POINTS CURRENT AS OF 1/12/2016

### Chapter Committee Chairs

<b>Technology Transfer</b> Travis Fisher (607) 255-5608 <a href="#">Email Me!</a>	<b>Government Activities</b> Petros Papathomopoulos (607) 723-9421 <a href="#">Email Me!</a>	<b>Refrigeration</b> Rob VanSkiver (585) 591-8168 <a href="#">Email Me!</a>	<b>Golf &amp; Clambake Outing</b> Michael McGinnis (607) 727-3168 <a href="#">Email Me!</a>
<b>Membership Promotion</b> Chris Wolak (484) 350-1954 <a href="#">Email Me!</a>	<b>Nominating</b> Andrew Nice 607-760-5960 <a href="#">Email Me!</a>	<b>Meeting Reception</b> Jacob Schatz (315) 234-1543 <a href="#">Email Me!</a>	<b>H.O. Ward Scholarship</b> Jason Gilbert (607) 777-2240 <a href="#">Email Me!</a>
<b>Research Promotion</b> Andrew Nice 607-760-5960 <a href="#">Email Me!</a>	<b>Student Activities</b> Jason Gilbert (607) 777-2240 <a href="#">Email Me!</a>	<b>Membership Directory</b> Chris Wolak (484) 350-1954 <a href="#">Email Me!</a>	<b>Albarn Education Fund</b> Richard Sanguinito (607) 231-6605 <a href="#">Email Me!</a>
<b>Honors &amp; Awards</b> Andrew Nice 607-760-5960 <a href="#">Email Me!</a>	<b>Historian</b> Richard Sanguinito (607) 231-6605 <a href="#">Email Me!</a>	<b>Symposium- Fall/Spring</b> Petros Papathomopoulos (607) 723-9421 <a href="#">Email Me!</a>	<b>Auditing</b> Rick Sanguinito & Jason Gilbert (607) 231-6605 <a href="#">Email Me!</a>
<b>Webmaster</b> Mike Colwell (607) 724-8282 <a href="#">Email Me!</a>	<b>Newsletter Editor</b> Andrew Nice 607-760-5960 <a href="#">Email Me!</a>	<b>YEA: Young Engineers</b> Travis R. Fisher/Devin Shapley (607) 255-5608 <a href="#">Email Me!</a>	<b>Publicity</b> Andrew Nice 607-760-5960 <a href="#">Email Me!</a>



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## Twin Tiers Chapter– Monthly Meeting Information

### *2015-2016 Meeting Dates:*

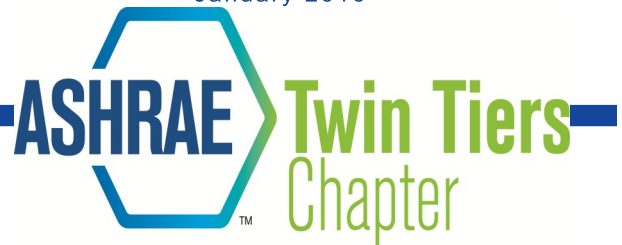
Date:	Speaker	Tech Session Topic, Tour or Meeting Info	Attendance:
15-Sep	Jason Gilbert / Rick Sanguinito	Dickinson Hall VRF HVAC, Plumbing, FP, and Structural Installation Tour & Presentation	23
20-Oct	Various / TBD	Fall Engineering Symposium - Daytime	
20-Oct	TBD	Brewery Tour	17
17-Nov	Art Studer (Postler & 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)	<b>ASHRAE Std. 188-2015 “Legionellosis: Risk Management for Building Water Systems. (PDH Approved) Theme: Student Night &amp; Membership Promotion</b>	
16-Feb	Byron Horak (Intertek)	Joint Meeting with Syracuse Chapter, Presentation and Tour of Intertek facility <b>Theme: Research Promotion</b>	
15-Mar	Jason Gilbert (Binghamton University)	Binghamton University Building Tour & Presentation <b>Theme: Student Night &amp; YEA Night</b>	
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.*

Since 1977

January 2016

American Society of Heating, Refrigerating,  
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## 2016 Business Cards



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Engineering Specialist



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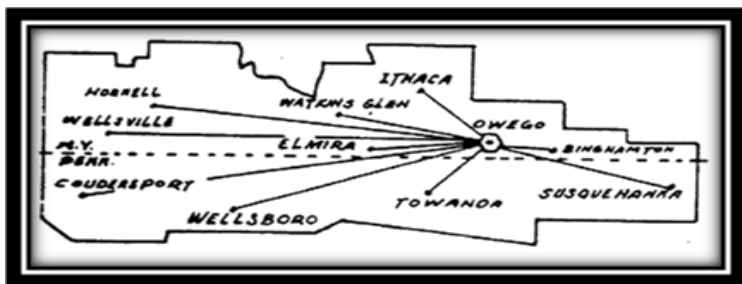


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## Membership Promotion Message

### Chapter Membership Promotion Chris Wolak

*Happy New Year, its hard to believe its already 2016! This month's meeting is also Membership Promotion night. As part of the promotion, anyone who brings a new member to the chapter will receive free admission for themselves and the new member they bring!*

*I would also like to welcome our newest member,  
Mr Kourosh Nemati!*

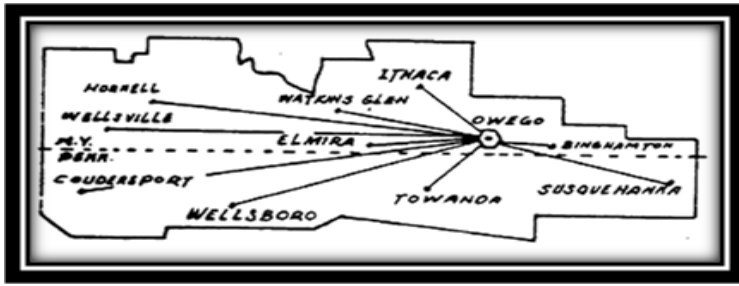
*Our current membership total is 108. Our 2016 goal is 114 so please reach out to anyone you know who might be interested in joining. They can call me anytime to walk through the process of joining, (484) 350-1954.*

*Happy New Year!*

Chris Wolak

Twin Tiers Membership Chair

[Email Me](#)



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## January Meeting Announcement

# January 19, 2016

### January Chapter Meeting

(Membership Promotion Night)

OPEN BAR Sponsored by PRO AIR PLUS!

**Presentation:** *ANSI/ASHRAE Standard 188-2015 – Legionellosis: Risk Management for Building Water Systems (Approved for 1 PDH)*

**Speakers:** *Michael P. Patton, International Sales Manager (Griswold Water Systems)*

*Tim Fitzpatrick, Director, Occupational, Health, Safety & Injury Prevention (Cornell University)*

While Legionnaire's disease has been known for many years, recent outbreaks have increased awareness of the disease, its causes and prevention strategies. The Centers for Disease Control and Prevention (CDC) estimates that each year there are between 8,000 and 18,000 cases of Legionnaire's disease in the United States and that more than 10% of these cases are fatal. ASHRAE has been actively involved in providing information on *Legionella* since 1979 in response to the first Legionnaire's disease outbreak in 1976 and the subsequent discovery by the CDC of the causative bacteria – *Legionella*

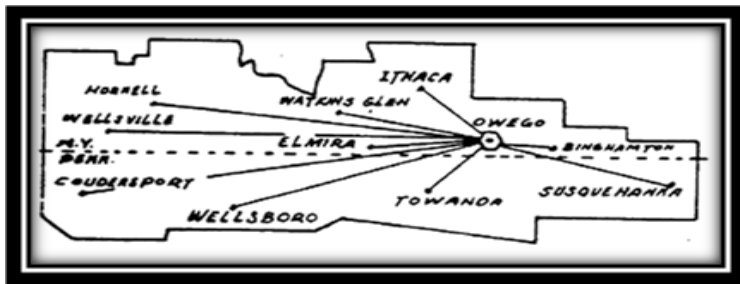
Michael P. Patton is the Sales Manager for Griswold Water Systems, Michael has been a technical sales leader in the environmental, energy, and water industry for more than 15 years. Prior to joining Griswold Water Systems, Michael was Vice President of Sales for Evandtec, in Toronto. Previously he served as the General Manager of the Energy and Environment Services group for a large contractor in Dubai, UAE. Prior, he was National Sales Manager and Director of Global Sales for Clearwater Systems Corporation.

A member of ASHRAE, he serves as an active member of two technical committees related to his field. He has been a ten year member of Standards Project Committee 188 Legionellosis; Risk Management for Building Water Systems; and Standard 191P, tasked with crafting a blueprint for efficient use of water in buildings. He was also appointed to the ASHRAE Society Handbook Committee.

Michael has more than 30 years of experience in the Mechanical Engineering field, including stints with mechanical contractors and with a manufacturers' representative.

Tim Fitzpatrick is Cornell Universities Director of Occupational, Health, Safety & Injury Prevention and headed Cornell's campus wide program to meet the recent cooling tower mandate. Tim will speak briefly about Cornell's processes and results from the recent testing.





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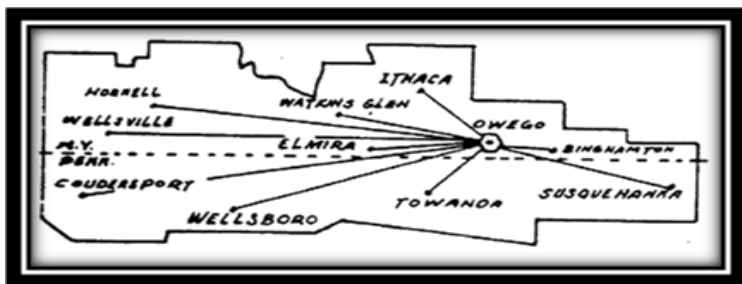
## January Meeting Announcement

# January 19, 2016

### January Chapter Meeting (Membership Promotion Night)

- DATE:** Tuesday, January 19th, 2016
- TIME:** 5:00 PM
- MEETING LOCATION:** Cornell University - Robert J. & Helen Appel Commons  
186 Cradit Farm Drive  
Ithaca, NY 14853
- SPECIAL EVENT:** Membership Promotion Night  
Bring a new member (that has paid their dues) and receive dinner for you and your guest!
- SPEAKER:** Michael P. Patton, International Sales Manager (Griswold Water Systems)  
Tim Fitzpatrick, Director, Occupational, Health, Safety & Injury Prevention (Cornell University)
- AGENDA:** 5:00 – 6:00 – Social Hour/Registration  
6:00 – 6:30 – Tim Fitzpatrick Presentation  
6:30 – 7:00 – Dinner  
7:00 – 8:30 – Michael Patton Presentation and Brief Chapter Meeting
- MENU:** Buffet Dinner Catered by Cornell Catering
- REGISTRATION:** Register online at <http://twintiers.ashraechapters.org/> (Under the “Programs” Tab)  
\$25.00 Early Registration (By 1/15/2016)  
\$30.00 (After 1/15/2016)
- GPS:** Cornell University—Robert J. & Helen Appel Commons - <https://goo.gl/maps/YfJPGmtyzK52>





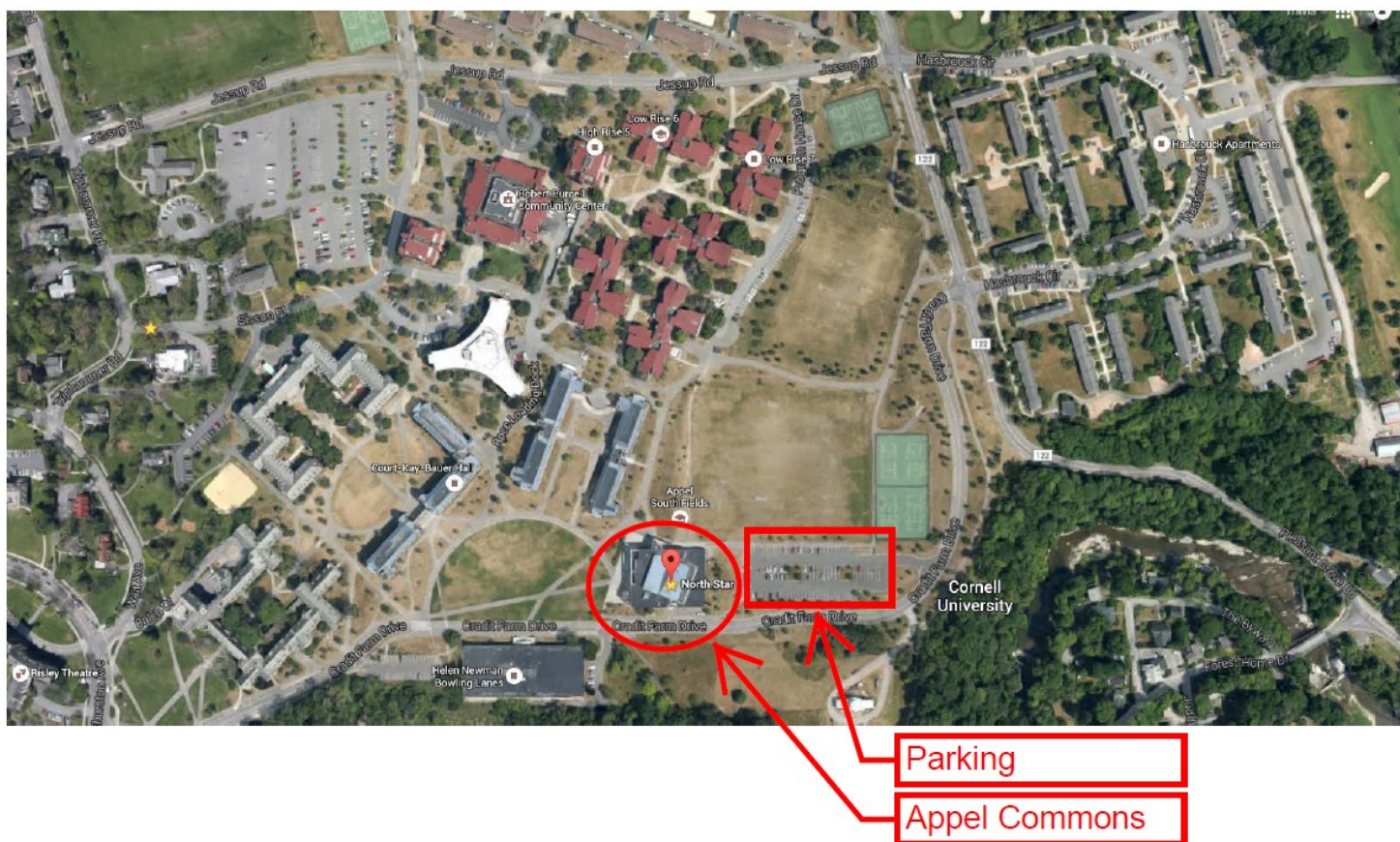
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## January Meeting Announcement

# January 19, 2016

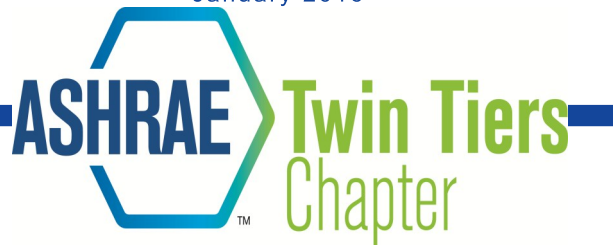
## January Chapter Meeting (Membership Promotion Night)

### MAP:



**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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## 2016 Business Cards

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Account Manager



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**Ryan Byrd**  
Sales Engineer



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**Glenn Roberts**  
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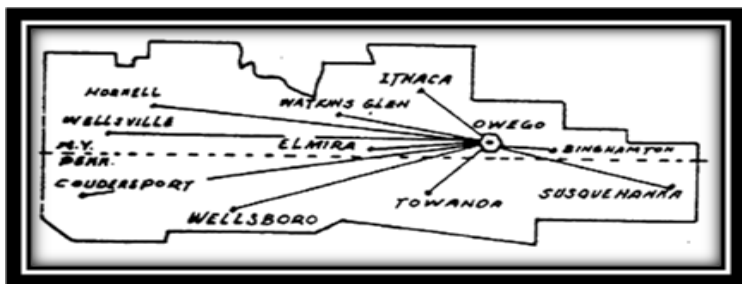
**Joe O'Hara**  
Territory Sales Manager



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Cell: 315-952-5056 Email: dbrosnan@mcsmms.com Web: www.mcsmms.com



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## Resource Promotion Special Event

# WINE SURVIVOR RAFFLE

Thank you to all who participated in our first annual wine survivor raffle!

The event successfully raised \$240 for ASHRAE RP

THANK YOU ALL!

## CONGRATULATIONS TO OUR WINNERS:

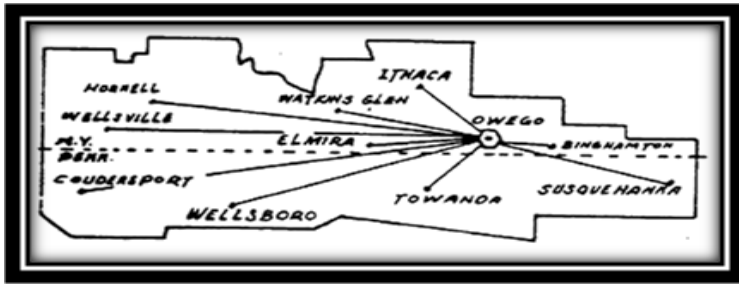
1ST Place: Travis Fisher

2nd Place: Mike McGinnis

3rd Place: John Hewitt

Also a special thank you to  
**Meier Supply**  
for donating several bottles of wine!





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

## Twin Tiers Chapter– December BOG Meeting Minutes

### MEETING MINUTES

The meeting was called to order at: 4:04 pm

#### Board of Governors Meeting

Date: Tuesday 12/15/2015 @ 4:00 PM

Location: Ithaca College – Clark Lounge

#### 1. Call to Order and Attendance:

a) Attendance: Doug, Jake, Travis, Chris, Andy, Mike

#### 2. General Announcements – Doug Breese

a) Approval of November's Meeting minutes: Motion by: Jake  
Second by: Travis

#### 3. Treasurer's Report – Jacob Schatz

- a) Treasurer's Report – accounts in good standing.
  - 2014-15 Audit: Updates from Lynn? Need info from Jason and Rick
  - Jake will be at training for 5 mo., will need someone to do the door for these meetings.

#### 4. PAOE Responsibility – Doug

Chair Updates:

##### a) Chapter Operations:

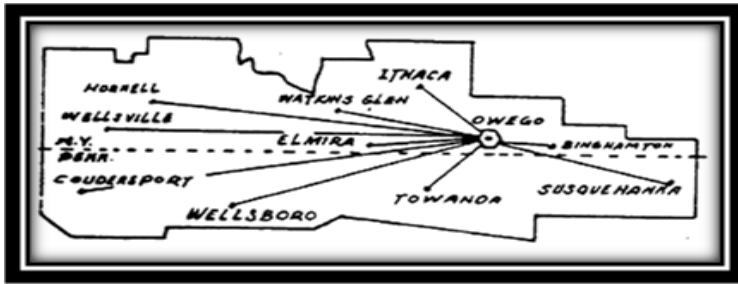
- ☐ Revising Chapter Bylaws (per Society's direction) – D. Breese

##### b) Chapter Technology Transfer:

- ☐ Calendar of Events coming up:
  - 1. Update Chapter Meetings section of Society Chapter Page for the year
- ☐ Engineering PDH's – PIE discussion (turnaround vs joint meeting PAOE Pts)
- ☐ Speaker database update to RVC monthly – have not seen this yet.

##### c) Membership Promotion:

- ☐ MP Night – Jan-15 and May-16 (Joint mtg – SFPE)
- ☐ MBO Goal #1: Retain and increase membership by 2%, current membership is at 108.
- ☐ 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.



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

## Twin Tiers Chapter– December BOG Meeting Minutes

### d) Resource Promotion:

- ☐ Dec-15 - Donor Recognition/Past Presidents Night
- ☐ Feb 10 - Intertek (Cortland NY) RP Night combined with CNY Chapter
- ☐ 2015 2016 Goal is \$6,500 (High Five goal?)

### e) Student Activities:

- ☐ Student Activity Night – Feb & March
- ☐ Students going to Intertek Tour or Water St Brewery?

## 5. Committees:

### a) Meeting Reception (J. Schatz): Nametags & Sign-in sheet

- ☐ Transferred to Doug due to Jake's absence

### 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): To review

- ☐ Feb - Water St Brewery? Jeopardy?

### d) Publicity (A. Nice): Facebook and LinkedIn

### e) Webmaster (M. Colwell): Update website for Job Listings from LaBella. Remove old ones.

### f) Symposium (P. Papathomopoulos): updates? PDH's?

### g) Golf & Clambake (Mike McGinnis): June 16<sup>th</sup> Vestal Hill's and Mountain Top

### h) Honors and Awards (D. Breese): Chapter Service awards

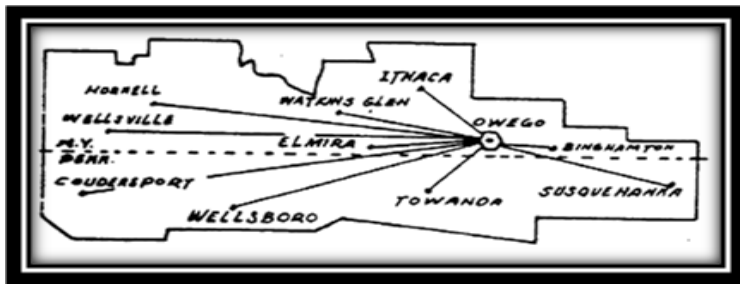
## 6. Old Business

- a) ASHRAE TT to receive a \$50 per person credit for each person that attended the CRC from the region.

Motion to End Meeting: Travis @ 4:39pm

Second to End Meeting: Mike





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## 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.

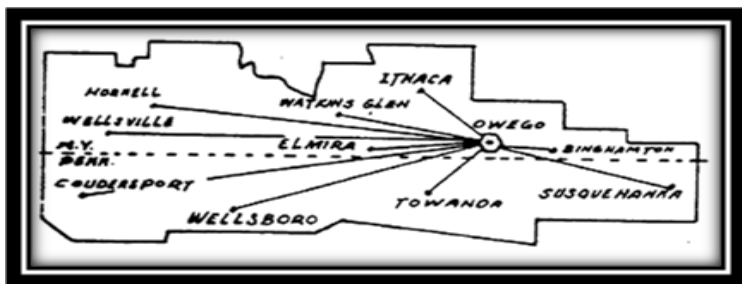
This would include but not limited to:

- 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/>



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## What Were They Thinking???

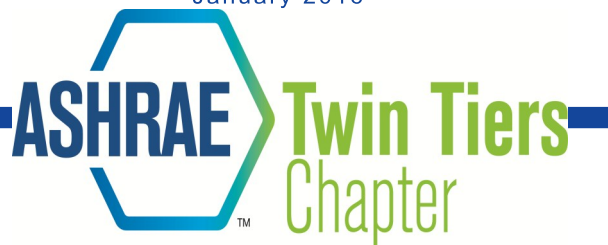


**People really need to be connected at ALL times!  
#ToiletWiFi**

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

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

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## 2016 Business Cards

### MEIER SUPPLY CO., INC.

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#### Andrew Nice

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#### Dominick DeLucia Project Engineer

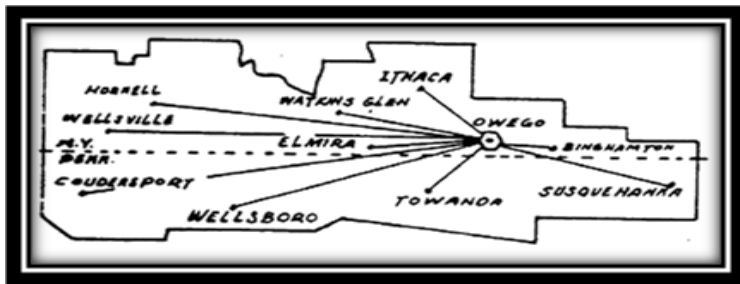
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## TRAINING



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

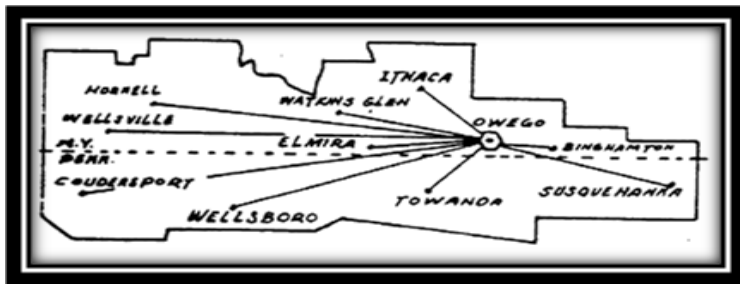
As a licensed professional in New York State, it is your professional responsibility to know the legal and ethical requirements governing the practice of your profession and to be alert to changes in those requirements. The New York State Board for Engineering and Land Surveying, in an effort to help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



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## TRAINING



New York State Professional Engineers  
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**FREE Online Courses are Available!**

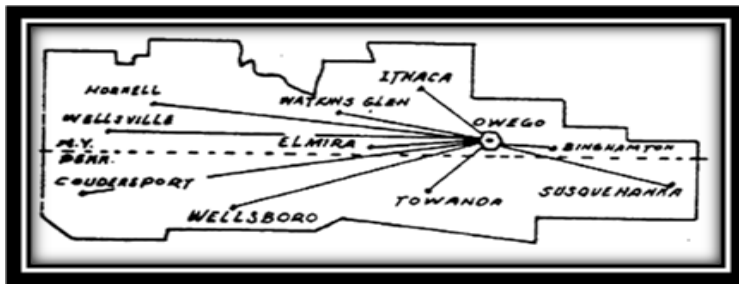
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The above websites offer free online courses that are approved for credit!







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## TRAINING

# ASHRAE Learning Institute

## Seminars & Courses at ASHRAE's Winter Conference in Orlando, FL

### 2 WAYS TO REGISTER

Internet: [www.ashrae.org/orlandocourses](http://www.ashrae.org/orlandocourses)

Phone: Call 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

### Full-Day Professional Development Seminars

\$485/\$395 ASHRAE Member -- Earn 6 PDHs/AIA LUs or .6 CEUs

#### Commercial Building Energy Audits

Saturday, January 23, 2016 – 8:00 a.m. to 3:00 p.m.

#### Energy Modeling Best Practices and Applications

Tuesday, January 26, 2016 – 9:00 a.m. to 4:00 p.m.

#### Commissioning Process in New & Existing Buildings

Saturday, January 23, 2016 – 8:00 a.m. to 3:00 p.m.

#### Operations & Maintenance of High-Performance Buildings

Tuesday, January 26, 2016 – 9:00 a.m. to 4:00 p.m.

#### Designing HVAC Systems to Control Noise & Vibrations

Saturday, January 23, 2016 – 8:00 a.m. to 3:00 p.m.

### Half-Day Short Courses

\$159/\$119 ASHRAE Member -- Earn 3 PDHs/AIA LUs or .3 CEUs

#### Laboratory Design: The Basics and Beyond

Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

#### Advoiding IAQ Problems

Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

#### Troubleshooting Humidity Control Problems

Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

#### Commissioning Process & ASHRAE Standard 202

Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

#### Understanding & Designing Dedicated Outdoor Air Systems

Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

#### Complying with Standard 90.1-2013: HVAC/Mechanical

Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

#### Variable Refrigerant Flow System Design & Applications **NEW!**

Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

#### Evaluation and Control of Legionella in Building Water Systems **NEW!**

Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

#### Air-to-Air Energy Recovery Applications: Best Practices

Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.

#### Exceeding Standard 90.1-2013 to Meet LEED Requirements

Monday, January 26, 2016 – 9:00 a.m. to 12:00 p.m.

#### Applications of Standard 62.1-2013

Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.

#### IT Equipment Design Evolution & Data Center Operation Optimization

Monday, January 26, 2016 – 9:00 a.m. to 12:00 p.m.

#### Building Demand Response & the Coming Smart Grid

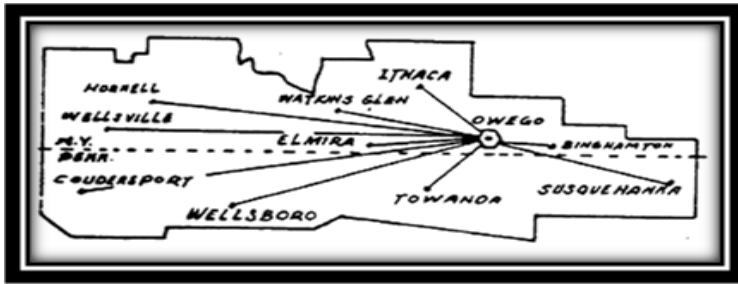
Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.

#### Designing High-Performance Healthcare HVAC

Monday, January 26, 2016 – 1:00 p.m. to 4:00 p.m.

#### Energy Management Best Practices

Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.



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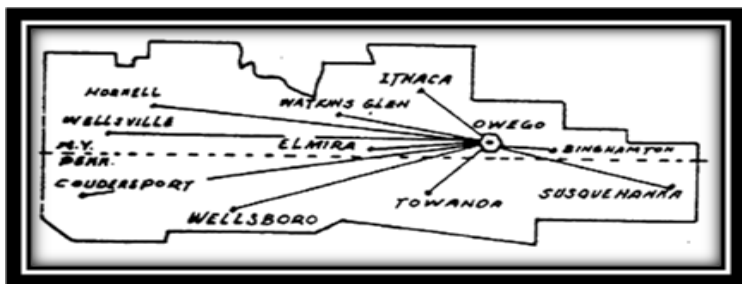
#### **HVAC Design: Level I – Essentials - Registration is \$1,264 (\$1,009 ASHRAE Member)**

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](http://www.ashrae.org/hvactraining) to register.**



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## EVENTS

# 2016 Winter Conference & AHR Expo



**2016 Winter Conference**  
Jan. 23-27  
Orlando Hilton  
Orlando, FL

**AHR Expo**  
Jan. 25-27  
Orange County Convention Center  
Orlando, Fla.

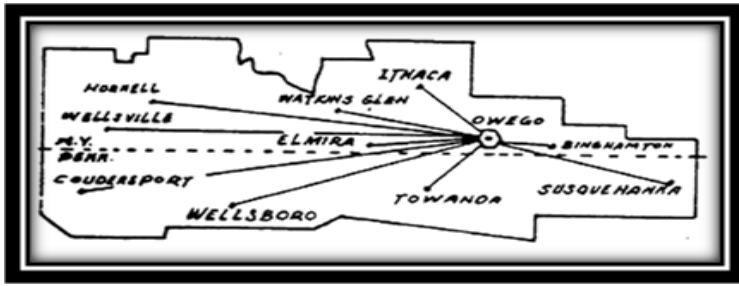
Sun and fun make Florida a global destination! The 2016 ASHRAE Winter Conference and AHR Expo serve as similar attractions, drawing industry professionals from around the world to advance personally and professionally. The Conference will have a fresh feel with new tracks focused on design-build practices and residential systems as well as programs that align well with current trends in HVAC&R engineering. Energy efficiency and sustainability are emphasized along with current engineering and construction practices outside of the U.S. and Canada. Come experience Florida's attractions and ASHRAE's advances in technology.

Highlights!

- ASHRAE Headquarter Hotel is connected to the Orange County Convention Center, site of the AHR Expo. An easy walk to the latest and greatest technology!
- Kick off the Conference with a Welcome Party at SeaWorld!
- Technical Program features fresh feel with new tracks!

**Register**





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

## INDUSTRY ARTICLE

# Governor announces \$200 million competition to revitalize upstate airports; 74 airports eligible to compete for funding

[www.governor.ny.gov](http://www.governor.ny.gov)

By Press Office of NYS Governor Jan. 9, 2016

Governor Andrew M. Cuomo unveiled the 11<sup>th</sup> proposal of his 2016 agenda – a \$200 million competition to revitalize Upstate airports. The proposal is designed to enhance airports throughout Upstate New York, and promote new opportunities for regional economic development and partnership between the public and private sectors.

The Governor also kicked off the start of renovations that will transform the New York State Fairgrounds site into a premier, multi-use facility. The Governor marked the official start of the historic renovation project with the implosion of the grandstand today. The renovation plan will transform the Fairgrounds into a year-round facility that will attract even more events and visitors from across the nation. The project is expected to be completed by August of 2018.

“Infrastructure is the foundation of our economy – and this year we are going to build and rebuild for the future,” said **Governor Cuomo**. “From investing in our airports to rebuilding the State Fairgrounds, we are thinking big and making bold strides across Upstate New York. This is about stimulating the economy, creating jobs throughout the surrounding communities, and making Upstate New York stronger and more competitive than ever before, and I look forward to seeing the work continue in 2016.”

## Launch \$200 Million Competition to Revitalize Upstate Airports

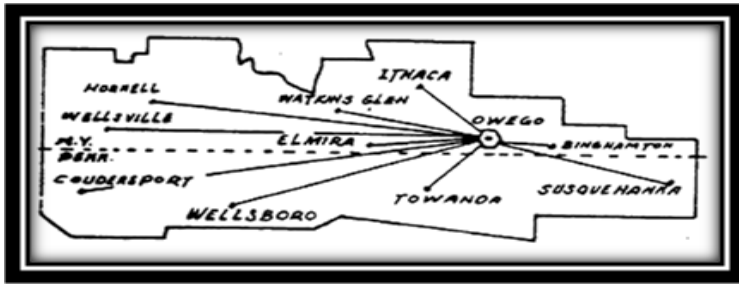
Building on the successful international airport design competition to transform and modernize LaGuardia and JFK airports for the 21st century, the Governor will provide \$200 million dollars for an Upstate Airport Economic Development and Revitalization Competition to accelerate investments in commercial passenger and cargo service airports, creating thousands of well-paying jobs and promoting even more economic development upstate.

This competition intends to foster innovative, comprehensive, and forward-looking development plans. The State will award five airports approximately \$40 million each. Grants will fund projects that enhance safety, improve operations and access, reduce environmental impact, and create better passenger experiences. The competition will seek out the strongest proposals, ones that will create jobs, incorporate sustainable “green” building techniques, use renewable energy, demonstrate support from airlines and the community, leverage private investments, and demonstrate cost effectiveness.

The public-use airports eligible for the competition include: Use link below

<http://www.governor.ny.gov/news/11th-proposal-governor-cuomos-2016-agenda-revitalize-upstate-infrastructure-stimulate-economy>





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

## INDUSTRY ARTICLE

### **Governor announces \$200 million competition to revitalize upstate airports; 74 airports eligible to compete for funding (cont.)**

#### **State Fair Renovation Kick-Off**

For nearly a century, the New York State Fairgrounds have remained essentially the same. No major redesign has been undertaken and investments have been for basic rehabilitation such as repairs of roofing systems, electrical systems, water and sewer mains and roadways. The current lack of green areas, storm water infrastructure and rain collection systems causes severe flooding during rainstorms.

Last September, the Governor unveiled [a sweeping redesign of the New York State Fairgrounds](#) complex that includes a new multi-purpose exposition center with 110,000 square feet of flexible space, an expanded festival stage to bring in larger concerts, a larger Midway to accommodate more attractions and a 400-site RV Park, as well as various parking and pedestrian safety improvements. The 2015-2016 budget included \$50 million for the renovation of the State Fairgrounds.

Aside from the implosion of the grandstand, demolition includes the existing racetrack, the main entrance gate, and several smaller existing structures prior to the construction of storm water management facilities as part of the redesign's initial phase. Additional projects including complete reconstruction and reconfiguration of the Midway to 18 acres, the new RV Park, and the new main entrance gate are currently out to bid with work expected to start in the spring of 2016. An album of renderings is available [here](#).

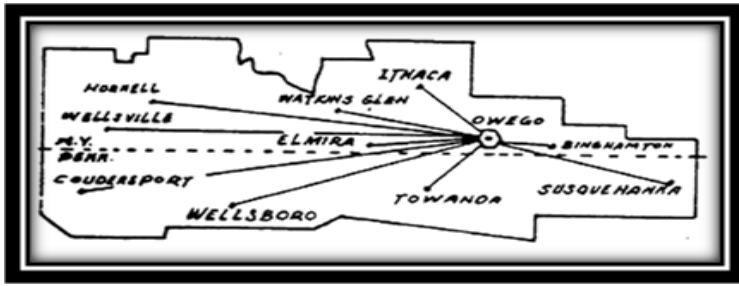


**New York State Department of Agriculture and Markets Commissioner Richard A. Ball** said, "This is a very exciting time for New York State and for the Great New York State Fair. The Fairgrounds mean so much to the people of New York, and while we take a moment to reflect on the history of the Grandstand and other Fair elements as we know them today, we're also looking to the future and the Governor's plan that will bring the State Fair to its new potential. The redesign will help the facility better engage the community and visitors from all over the country, and ensure its future as the premier agri-tourism spot in New York."

**New York State Office of General Services Commissioner RoAnn Destito** said, "The Great New York State Fair has been a destination for families and tourists for generations. The commitment by Governor Cuomo to reinvigorate the experience and environment at this wonderful venue will help ensure that the Fair will continue to delight visitors for years to come."

"Governor announces \$200 million competition to revitalize upstate airports; 74 airports eligible to compete for funding." *New York State Governor Andrew M. Cuomo*. Press Office of the New York State Governor, 9 Jan. 2016. Web. 12 Jan. 2016. <<http://www.governor.ny.gov/news/11th-proposal-governor-cuomos-2016-agenda-revitalize-upstate-infrastructure-stimulate-economy>>.





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## INDUSTRY ARTICLE

# Allocate \$300 Million for Environmental Protection Fund – Highest in State History and More Than Double Since 2011

[www.governor.ny.gov](http://www.governor.ny.gov)

By Press Office of NYS Governor Jan. 5, 2016

Governor Cuomo unveiled the third signature proposal of his 2016 agenda – a number of initiatives to bolster New York’s legacy of environmental protection. The Governor announced that New York State will allocate \$300 million for the State’s Environmental Protection Fund – the highest amount ever for the fund and more than double the fund’s level when the Governor first took office. The Governor also announced two major investments in water infrastructure in Suffolk and Nassau Counties. These announcements were detailed earlier today at an event on Long Island.

This increase will provide record funding for urgent environmental investments, adding resources for land acquisition, farmland protection, invasive species prevention and eradication, waterfront revitalization, and an aggressive environmental justice agenda. The Governor made this announcement at an event today in Nassau County.

“New York’s natural environment is one of our greatest assets – so we are stepping up to protect it like never before,” **said Governor Cuomo**. “This year we are going to make big investments that will protect the environment and make our communities cleaner, greener and more resilient for generations to come.”

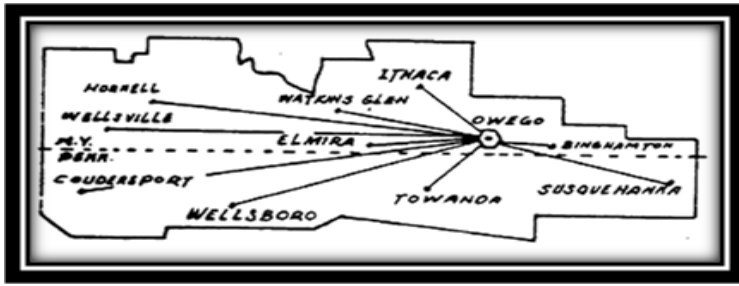
The EPF offers wide ranging benefits to communities around the state and plays an important role in preserving the state’s natural resources and habitats. After years of funding cuts to the EPF, upon taking office in 2011, Governor Cuomo stabilized the EPF by freezing the funding level, even with a \$10 billion budget deficit and has secured funding increases ever year thereafter.

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This year’s increase is more than double the \$134 million dollar EPF the Governor inherited when he took office in 2011. Funding to support the increase will come from traditional funding sources. No funding from Regional Greenhouse Gas Initiative proceeds will be used to support the EPF.

### State EPF Funding since 2011:

Year	State EPF Allocation
2011-12	\$134M
2012-13	\$134M
2013-14	\$153M
2014-15	\$162M
2015-16	\$177M
2016-17	\$300M



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

## INDUSTRY ARTICLE

# Allocate \$300 Million for Environmental Protection Fund – Highest in State History and More Than Double Since 2011

(cont.)

“Time and time again Governor Cuomo has demonstrated his commitment to restoring and protecting the state’s environment, including new initiatives to position New York as a national leader on combatting climate change, the most pressing environmental issue of our time,” **said Department of Environmental Conservation Acting Commissioner Basil Seggos**. “With this unprecedented commitment to establishing a \$300 million Environmental Protection Fund, Governor Cuomo is solidifying his environmental legacy for generations to come. I applaud Governor Cuomo for this historic commitment to preserving New York’s incredible and economically important natural resources.”

Created in 1993, the EPF was established to provide funding for the broad categorical areas of *Solid Waste, Parks and Recreation* and *Open Space*. The EPF funds land acquisition, farmland protection, waterfront revitalization, municipal recycling, local government assistance to improve wastewater treatment plants and municipal parks. Many EPF-funded programs support innovative programs to solve environmental challenges and benefit municipal partners.

The EPF also supports the stewardship of public lands, including state parks and millions of acres of public lands throughout the state. Through partnerships with volunteer organizations, state agencies use stewardship funding to manage trails and lands, protect natural resources, preserve wildlife habitats, make critical capital improvements at parks and campgrounds, educate students about conservation and provide access to persons with disabilities.

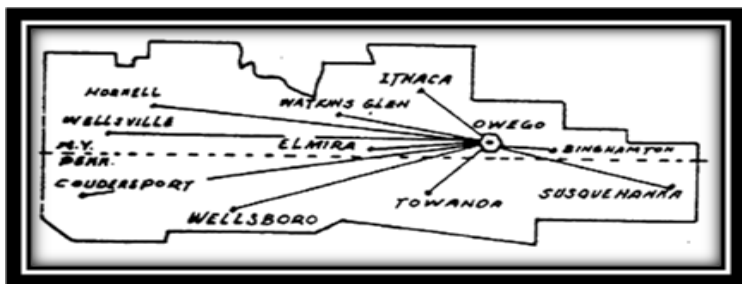
“NY’s natural environment is one of our greatest assets...we are going to make big investments that will protect the environment & make our communities cleaner, greener & more resilient for generations to come.”

**Governor Cuomo**

## Improve Water Quality on Long Island

Septic systems across Suffolk County discharge excess nitrogen resulting in contaminated groundwater and stormwater, degrading vital ecosystems, threatening public health, harming coastal wetlands and hindering vacation economies.





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

## INDUSTRY ARTICLE

# **Allocate \$300 Million for Environmental Protection Fund – Highest in State History and More Than Double Since 2011** (cont.)

Governor Cuomo is therefore advancing a transformative initiative to connect nearly 10,000 Suffolk County households currently on septic systems to state-of-the-art sewer systems. This historic build-out of sewer infrastructure will ensure that household sewage is properly treated—dramatically improving water quality and thereby restoring critical habitats, enhancing protective natural buffers, and supporting vibrant fishing and tourism economies. Beyond new sewer systems, the State is actively supporting the development and testing of improved nitrogen-removing advanced individual septic systems.

This initiative is expected to cost more than \$388 million—of which the Governor has already secured nearly \$122 million through state and federal sources. The State is actively pursuing \$266 million in funding from the Federal Emergency Management Agency, and in September received an encouraging Phase 1 approval to proceed with project planning. Environmental review is already underway for key watersheds, and construction is expected to begin in 2018.

### **Bay Park Outfall Pipe**

In the wake of Superstorm Sandy, the Governor Cuomo invested \$831 million in federal Sandy recovery dollars to ensure that the plant was not simply built back – but built back better. The state is investing \$191 million in state and federal resources for the Bay Park outfall pipe, and pursuing \$150 million more through the federal National Disaster Resilience Competition. The outfall is a long overdue project that will protect the Western Bays from high levels of nitrogen.

Upon completion of the outfall pipe construction, the state will fund a detailed technical analysis to determine if additional treatment measures may be needed to further reduce nitrogen pollution.



*"Allocate \$300 Million for Environmental Protection Fund – Highest in State History and More Than Double Since 2011."* New York State Governor Andrew M. Cuomo. Press Office of the New York State Governor, 5 Jan. 2016. Web. 12 Jan. 2016. <<https://www.governor.ny.gov/news/3rd-proposal-governor-cuomos-2016-agenda-bolster-new-yorks-legacy-environmental-protection>>.

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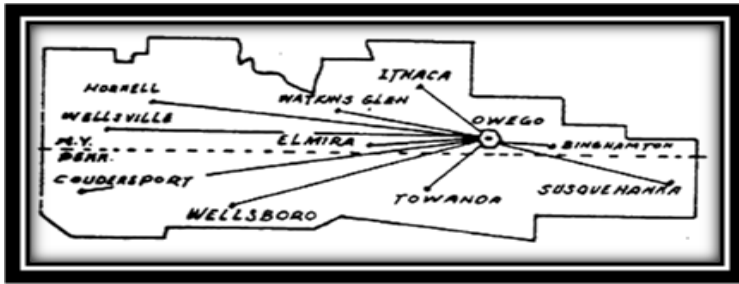
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## Twin Tiers Chapter– Employment Opportunities

If your company has any Employment Opportunities that you would like to advertise in the Newsletter please send to ASHRAE



### **Outside Sales Engineer**

Outside Sales Engineer Wanted – H&V Equipment Sales, Inc.

H&V Equipment Sales, Inc. a manufactures representative for applied HVAC equipment is seeking a motivated salesperson to help expand its market presence in Western and Central NY.

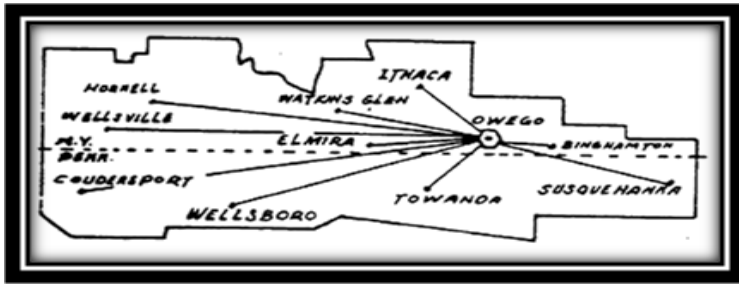
Responsibilities will be working with local mechanical contractors in the plan/spec and design/build markets, providing quotations for equipment, generating submittals and sales orders.

Candidates should poses a thorough knowledge of Mechanical HVAC systems, have good communication , sales and computer skills, and be willing to travel within the sales territory.

Other skills considered favorable to the applicant are actual HVAC field installation, service, HVAC design experience and/or HVAC sales experience.

Please email resume to Thomas Snyder at [tsnyder@hvgroup.us](mailto:tsnyder@hvgroup.us)  
H&V Equipment Sales, Inc. is a division of H&V Group.





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.



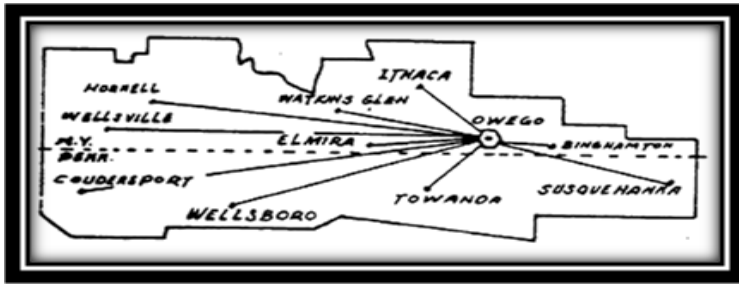
If you are interested in this opportunity apply on-line at:

<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.

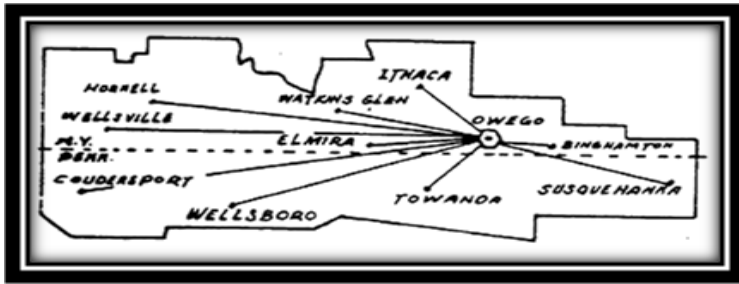
#### The ideal candidate will possess:

- 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.

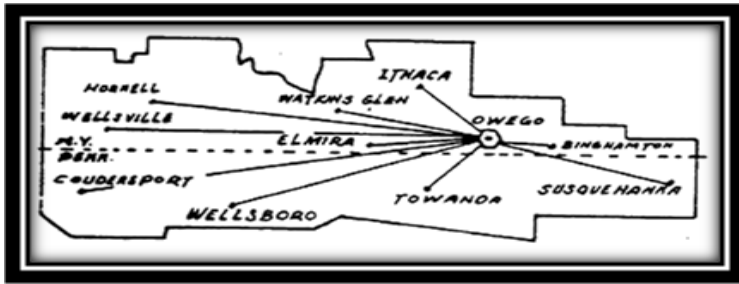
We are currently seeking a Mechanical Engineer with a strong focus and background in Building Projects to work in our Elmira Heights, NY Office. This position will work closely with the mechanical engineering staff to develop concepts, strategies, designs, drawings, specifications and reports.

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.

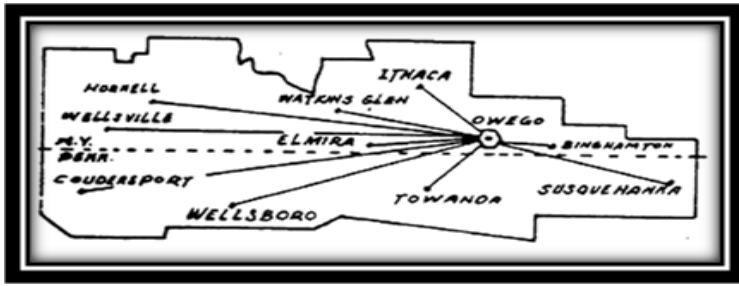
AutoCad experience required. Bachelor's degree and a minimum of two years experience in the A/E consulting business is required.

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](mailto: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](mailto: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](mailto: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:**  
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Ithaca, NY 14851-6706