



**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



November Chapter Meeting

November 17, 2015

Tour:

Huron Campus Chiller Plant Tour

Tour Guide:

Art Studer (Postler & Jaeckle)

Presentation:

TBD

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](#)

Inside this issue:

President's Corner	2
Chapter Officers	2
PAOE	3
Chapter Events Calendar	4
BOG Meeting Minutes	7
Training Events	11
Job Advertisements	19
Business Card Ads	24

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



Corner

President's

Dear Twin Tiers Chapter Members,

Thank you Petros for putting together a well-rounded Fall Symposium. If we could just skip over Winter in NY and get to your Spring Symposium I think we'd see lots of hands in agreement. Topping off the night after the Fall Symposium was a huge table at Galaxy Brewing, with a few of our YEA's. Thank you Travis for putting this tour together with the father/son team of the Weisel's. I'd also like to thank the outpouring of unexpected CTTC donations that night, basically free dinner from these active BOG members; Travis LeBrun (Victaulic, BOG), Rob VanSkiver (H&V Equipment Sales, Refrigeration Chair), Andy Nice (Meier Supply Co., Inc., Resource Promotion, Newsletter, Publicity), and Jacob Schatz (Trane Co., Chapter Treasure). I'd like to further say thank you to our past Presidents; Andy Nice for drinks at Galaxy Brewing, and Glenn Roberts for drinks at our BOG meeting. I'd encourage anyone interested in observing one of our BOG meetings to do so. This month we will be hosting Bill Walters from the CNY Chapter and Region I Director.

This month Travis Fisher and our Refrigeration Chair Rob VanSkiver have set up a tour of the Huron Campus in Endicott. The chillers serve over 800,000 sq.ft. for tenants such as BAE in the old IBM campus. So please check out the Chapter Meeting information page for the details and bring your good walking shoes. There has been a few updates to the calendar of events for the year, and remember, we're giving out polo shirts for those attending at least four chapter meetings this year. If you make the next four in a row, you may get yours in time for our June Golf and Clambake.

Now that the colder months are upon us, settling in with wood fires at home on the weekends, and planning for family holiday get-togethers are being initiated, one would think that Legionella is no longer a concern. That every piece of equipment has been checked and water has been sampled since mid-September. So it surprised me to hear the news that St Joseph's Hospital Health Center (Syracuse, NY) may have a possibility of the bacteria in their water system, not the cooling towers. A detail, that I was not aware of, in the water sampling is that sometimes it may produce a false-positive. The additional testing is required by the state health department due to the number of cases occurred within one month. Further culture testing of St' Joe's water is ongoing and they should have the results by Nov 2nd. Two cases of legionella are being treated, contracted from the hospital's drinking water system. The third patient passed away on Monday Oct. 26th, believed to be exposed from outside the hospital. Travis is lining up a presenter for proper water treatment and legionella for January. I hope everyone is available to make it, and please, bring a new member with you for an added bonus of a free meal at this Membership Promotion event in January.

Sincerely,
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!](#)



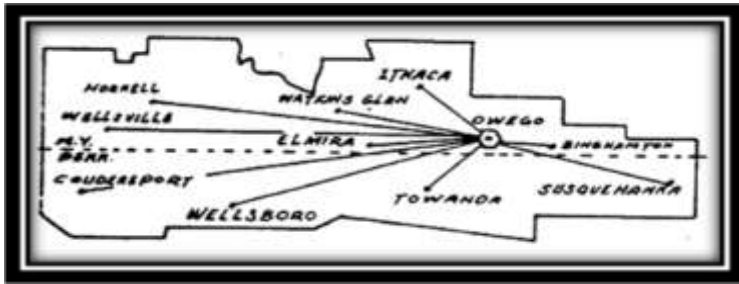
Secretary

Michael McGinnis
607.727.3168

[Email Me!](#)

Newsletter Disclaimer Statement

Statements made in this publication are not expressions of the Society or of the chapter and may not be reproduced without special permission from the chapter.



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

Twin Tiers Chapter

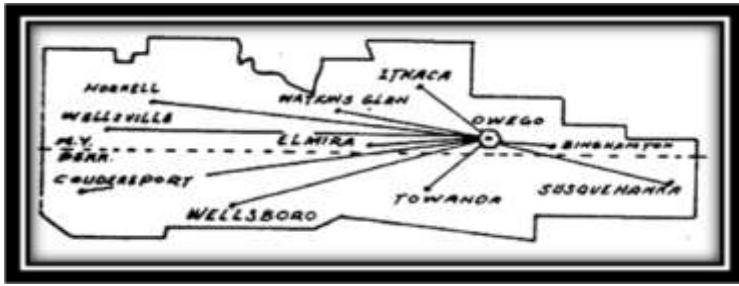
Presidential Award of Excellence (PAOE)

	Membership Promotion	Student Activities	Research Promotion	Historical	Chapter Operations	Chapter Technology Transfer	Grassroots Government Activities
MIN/PAR	500/800	300/500	800/1050	100/300	400/1000	450/1050	500/650
Current	225	50	270	0	135	25	75

100 POINTS CURRENT AS OF 11/06/2015

Chapter Committee Chairs

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



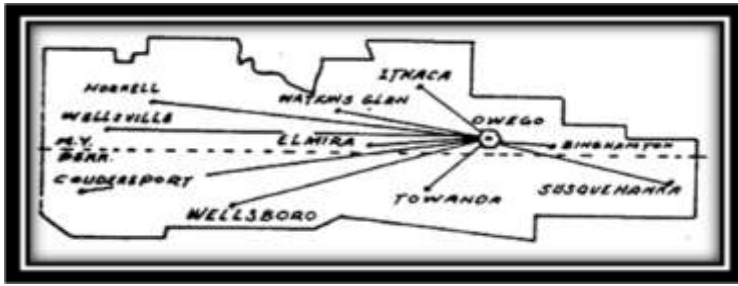
American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

Twin Tiers Chapter– Monthly Meeting Information

2015-2016 Meeting Dates:

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

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



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

Membership Promotion Message

Chapter Membership Promotion

Chris Wolak

I hope everyone is enjoying the fall season. As membership promotions chair, I would like to give an update on the current membership numbers:

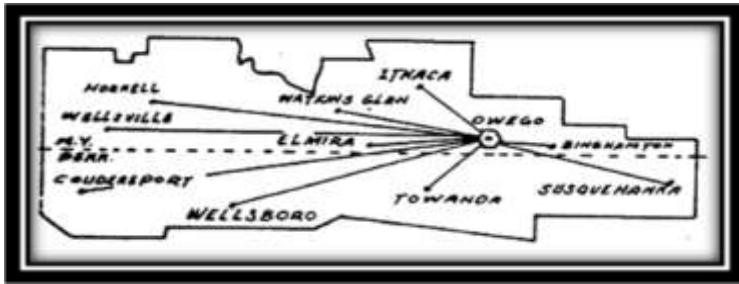
*142 Total Members
55 Associate Members
54 Members
33 Student Members*

I would also like to welcome the following new members:

*Mr. Harshuli Satyendra Singhal
Miss Victoria Ann Kramer
John Evangelista*

We are looking to grow the chapter by 2% this year so please tell everyone you know to join ASHRAE!

Chris Wolak
Twin Tiers Membership Chair
Chris.Wolak@Victaulic.com



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

November Meeting Announcement

November 17, 2014

November Chapter Meeting

EVENT: Huron Campus Chiller Plant Tour
(More Information to Follow)

DATE: Tuesday, November 17th 2014

TIME: 5:30 PM

TOUR LOCATION: Huron Campus
Endicott, NY 13760
(Meeting Location TBD)

TOUR GUIDES: Art Studer (Postler & Jaeckle)

AGENDA: 5:30 – 6:30 - Tour
6:45 – 7:15 - Dinner and Brief Chapter Meeting

MENU: TBD

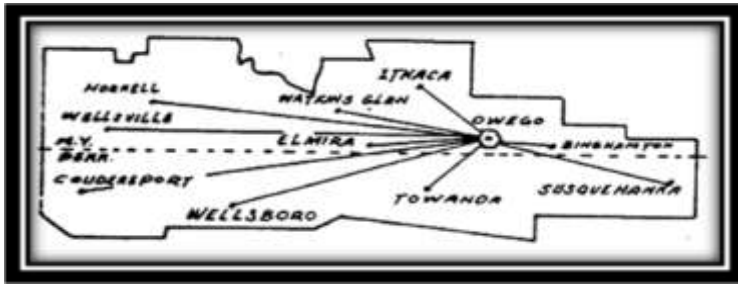
REGISTRATION: \$25.00 Early Registration (By 11/13/2015)
\$30.00 (After 11/13/2015)

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

E: tf222@cornell.edu

C: (607) 972-1342





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

Twin Tiers Chapter– October BOG Meeting Minutes



ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
TWIN TIERS CHAPTER (<http://www.twintiers.ashraechapters.org/>)

MEETING MINUTES

The meeting was called to order at:

Board of Governors Meeting

Date: Tuesday 10/20/2015 @ 4:00 PM

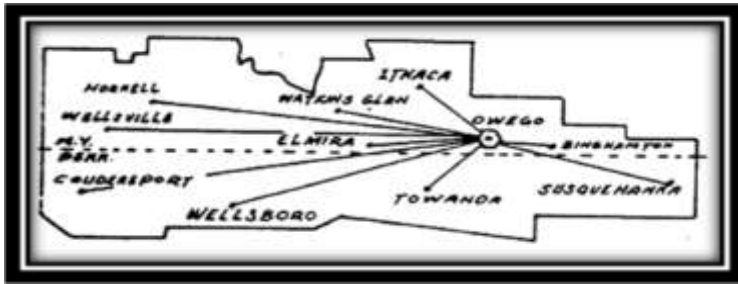
Location: Binghamton Holiday Inn restaurant lounge

1. **Call to Order and Attendance:** Called to order at 4pm
 - a) Attendance: Travis Fisher, Andy Nice, Glenn Roberts, Chris Wolak, Doug Breese, Rob VanSkiver, Jacob Schatz
2. **General Announcements – Doug Breese**
 - a) Approval of September Meeting minutes: **Motion by:** Travis
Second by: Rob
 - b) Quote for the meeting
“The Buck Stops Here”, was from President Harry S. Truman, in which he derived from passing of the buck at a poker game, to which a person would stop passing the responsibility to someone else.
3. **Treasurer’s Report – Jacob Schatz**
 - a) Treasurer’s Report – accounts in good standing. *See attached Report*
 - 2014-15 Audit: Sent to accountant? Unconfirmed
 - Annual budgets. *See attached 11x17.*
 - December Audit so far

4. **PAOE Responsibility – Doug**

Chairs	Chair Contact	Current	PAR	Max
Membership Promotion	Chris Wolak	225	500	800
Student Activities	Jason Gilbert	50	300	500
Research Promotion	Andy Nice	0	800	1050
Historical Criteria	Rick Sanguinito	0	100	300
Chapter Operations	Doug Breese	135	400	1000
Grassroots Government Activities	Petros Papathomopoulos	75	500	650
Chapter Technology Transfer	Travis Fisher	25	450	1050

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



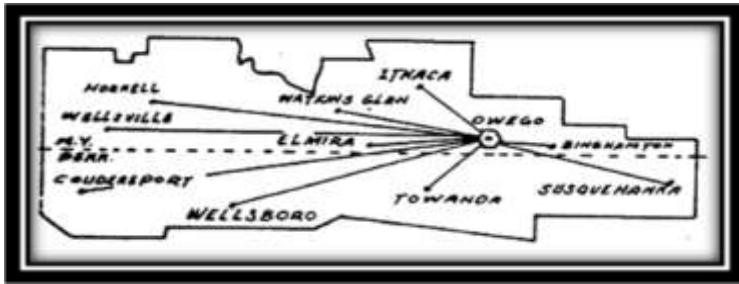
American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

Twin Tiers Chapter– October BOG Meeting Minutes



Chair Updates:

- a) Chapter Operations:
 - ☐ Bill Walter, our Region I Director, will be our guest next month. Here to observe our BOG and Chapter Meetings.
 - ☐ Update to Chapter Bylaws (Add: Grassroots and New Logo) – D. Breese
- b) Chapter Technology Transfer:
 - ☐ Calendar of Events coming up:
 1. Update Chapter Meetings section of Society Chapter Page for the year
 2. Galaxy Brewery tonight
 3. Huron Campus by Andy and Rob for November
 4. Legionella Disease by Rick Lopez possible for December
 5. Intertek facility for February
 - ☐ Engineering PDH's – Travis to review possibilities
- c) Grassroots Government Activities: Petros
- d) Historical Criteria: Rick S.
 - ☐ History Night – November
- e) Refrigeration:
 - ☐ Refrigeration Night – November: Tour of Huron Campus and Chiller Plant
- f) 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 112.
 - ☐ MBO Goal #2: Reduce delinquency to 5% or less. Currently 19% are past 6 weeks overdue on renewing their annual chapter memberships.
- g) Research Promotion:
 - ☐ Donor Recognition/Past Presidents Night – Dec-15 Need to send invitation to Joan Albern and son. Certificate of Appreciation for donations.
 1. Mike to mail invites for PP night
 - ☐ RP Night – Feb 15 @ Intertek (Cortland NY) combined with CNY Chapter
 - ☐ Full Circle – donations need to be sent in by Nov 15th (High Five goal?)
 - ☐ 2015 2016 Goal is \$6,500
 - ☐ Events
 1. Superbowl donation pool
 2. Wine Survivor night @ Dec. Meeting
- h) Student Activities:
 - ☐ Student Activity Night - March



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

Twin Tiers Chapter– October BOG Meeting Minutes



5. Committees:

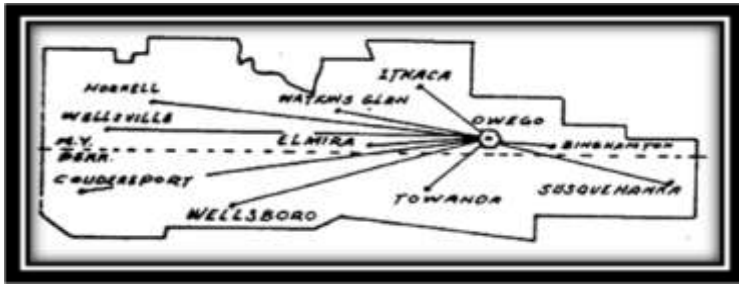
- a) Meeting Reception (J. Schatz): Nametags & Sign-in sheet
- b) Student Committee (J. Gilbert):
 - ☐ Alfred (Jason to contact Dr. Joe C) and Cornell (Travis to take lead) contacts to be notified of end of Student Branch and if they'd like to renew they need to fill out forms from ASHRAE.
 - ☐ Jason to establish BU Student Branch.
 - 1. (3) Students are required to maintain a student branch and (10) are required to start a branch.
- c) Young Engineers (YEA's): Event ideas?
Possibly Water Street Brewery in Feb
- d) Newsletter (A. Nice): Need to include a section for Student Scholarships, see below.
- e) Publicity (A. Nice):
- f) Webmaster (M. Colwell): Need to include a section for Student Scholarships, see below.
- g) Symposium (P. Papathomopoulos): update
- h) Golf & Clambake (Mike McGinnis): June 16th Vestal Hill's and Mountain Top
- i) Honors and Awards (D. Breese/A. Nice): Chapter Service Awards

6. Old Business

- a) Student Scholarships: General Discussion
 - 1. How do we make this known to students?
 - a. Twin Tiers Website with links and details. – Need to give info to M. Colwell
 - b. Newsletter. – Give info to A. Nice
 - c. Student Chapters. – J. Gilbert to discuss with BU students
- b) ~~Student Activities~~ ← moved to Student Committee discussion
- c) ASHRAE TT to receive a \$50 per person credit for each person that attended the CRC from the region.
- d) ~~Management By Objective (MBO)~~ ← moved to MP Chair

7. New Business

- a) Winter Conference is requesting good quality Photos/Videos of our Chapter Meeting/Tours. Send separate files if they are too big. Need to submit by Dec. 1st to acannone@ashrae.org
- b)



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

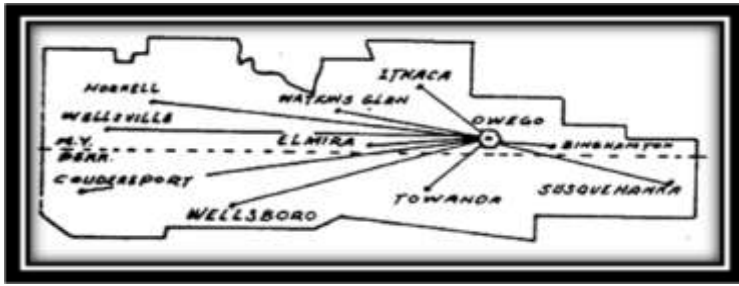
What Were They Thinking???



Pure brilliance!

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

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



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

TRAINING



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

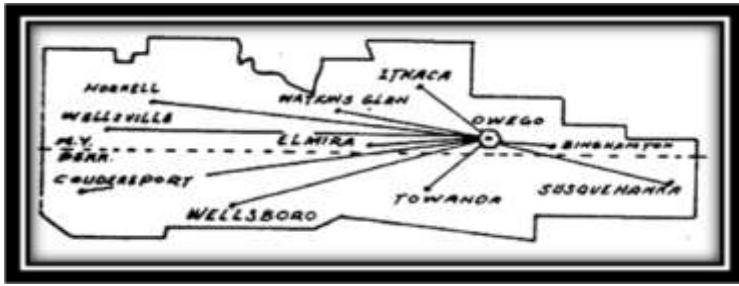
As a licensed professional in New York State, it is your professional responsibility to know the legal and ethical requirements governing the practice of your profession and to be alert to changes in those requirements. The New York State Board for Engineering and Land Surveying, in an effort to help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

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

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

Take Your PE Ethics Self Test Here!

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



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

TRAINING



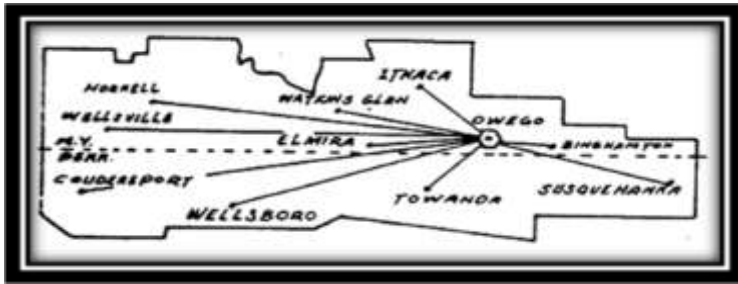
New York State Professional Engineers
Need a few extra PDH?
FREE Online Courses are Available!

www.aecdaily.com

www.ronblank.com

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





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

TRAINING

ASHRAE Learning Institute

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

2 WAYS TO REGISTER

Internet: 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.

Commissioning Process in New & Existing Buildings

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

Designing HVAC Systems to Control Noise & Vibrations

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.

Operations & Maintenance of High-Performance Buildings

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

Troubleshooting Humidity Control Problems

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

Understanding & Designing Dedicated Outdoor Air Systems

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

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

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

Air-to-Air Energy Recovery Applications: Best Practices

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

Applications of Standard 62.1-2013

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

Building Demand Response & the Coming Smart Grid

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

Energy Management Best Practices

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

Advoiding IAQ Problems

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

Commissioning Process & ASHRAE Standard 202

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

Complying with Standard 90.1-2013: HVAC/Mechanical

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

Exceeding Standard 90.1-2013 to Meet LEED Requirements

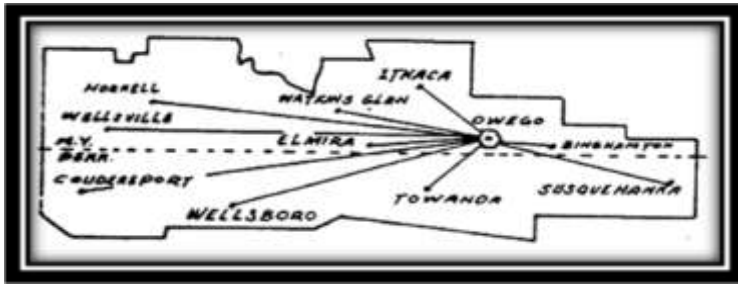
Monday, January 26, 2016 -- 9:00 a.m. to 12:00 p.m.

IT Equipment Design Evolution & Data Center Operation Optimization

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

Designing High-Performance Healthcare HVAC

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

Kuala Lumpur • Miami • Minneapolis • Vancouver

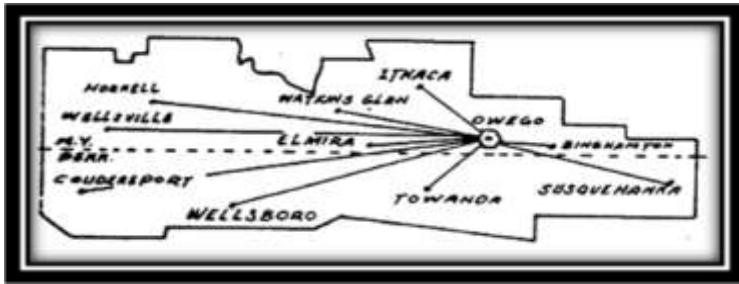
HVAC Design: Level I – Essentials - Registration is \$1,264 (\$1,009 ASHRAE Member)

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

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

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

Visit www.ashrae.org/hvactraining to register.



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

EVENTS

2016 Winter Conference & AHR Expo



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

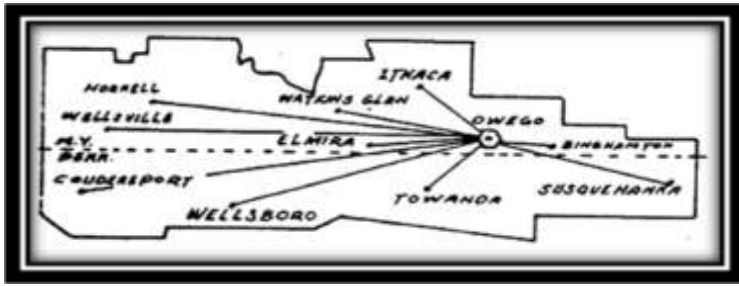
AHR Expo
Jan. 25-27
Orange County Convention Center
Orlando, Fla.

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

More Oil Companies Could Join Exxon Mobil as Focus of Climate Investigations

The New York Times

By CLIFFORD KRAUSS NOV. 6, 2015

HOUSTON — The opening of an investigation of Exxon Mobil by the New York attorney general's office into the company's record on climate change may well spur legal inquiries into other oil companies, according to legal and climate experts, although successful prosecutions are far from assured.

Many oil companies have funded lobbying efforts and research on climate change, so prosecutors would most likely be able to search through vast amounts of material. The industry has also resisted pressure for years from environmental groups to warn investors of the risks that stricter limits on carbon emissions could have on their businesses, although that appears to be changing.

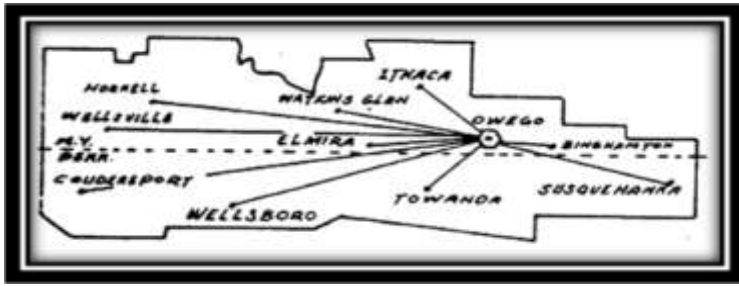
"Exxon Mobil is not alone," said Stephen Zamora, a professor at the University of Houston Law Center. "This is not likely to be an isolated matter."

Energy experts said prosecutors may decide to investigate companies that chose to fund or join organizations that questioned climate science or policies designed to address the problem, such as the Global Climate Coalition and the American Legislative Exchange Council, to see if discrepancies exist between the companies' public and private statements.

British Petroleum (now BP), Shell Oil, Texaco (now part of Chevron) and Exxon, along with several manufacturing companies, were all members of the coalition, a group of companies and trade associations that started an advertising campaign in the 1990s opposing Washington's involvement in strong international efforts like the Kyoto Protocol initiative to reduce greenhouse gas emissions.



An oil platform off the coast of Thailand run by Unocal, which Chevron acquired in 2005. Chevron has been one of the companies that supported efforts to derail initiatives to reduce greenhouse gas emissions. Credit Unocal, via Associated Press



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

INDUSTRY ARTICLE

More Oil Companies Could Join Exxon Mobil as Focus of Climate Investigations (Cont.)

Energy experts said internal documents from member companies about climate change could contradict what the companies said as part of the coalition, which disbanded in 2002.

“There was a concerted effort by multiple American oil companies to obscure the emerging climate science consensus throughout the 1990s,” said Paul Bledsoe, a former White House aide to President Bill Clinton on climate issues. “This group may be vulnerable to legal challenge.”

British Petroleum and Shell Oil left the coalition early on, setting a pattern in which European oil companies took a very different course on climate and other environmental issues than most of their American competitors. Shell announced this summer that it would not renew its membership in the American Legislative Exchange Council, or ALEC, a free-enterprise group that has opposed government mandates, subsidies and other efforts to force or encourage companies to develop and use more renewable energy sources.

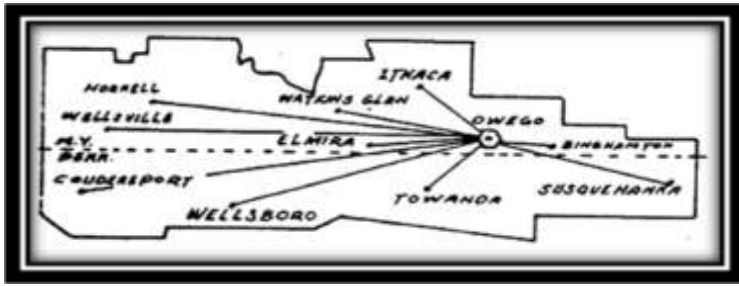
[Occidental Petroleum](#) and several other companies have also left ALEC, but Chevron and Exxon Mobil still support the group.

Big American and European oil companies can point to efforts they have made to support renewable energy, perhaps clouding attempts by prosecutors to paint them as one-sided on the issue of climate change.

Chevron, for example, has been a pioneer in [geothermal](#) energy for decades. Exxon Mobil has a project underway to convert algae into a biofuel that can run vehicles and soak up carbon. BP is active in wind power. Several companies in the United States have begun working with the Environmental Defense Fund to limit emissions of methane.

“The oil and gas industry has probably been the biggest funder of research into decarbonization, maybe more even than the federal government,” said Michael Webber, deputy director of the Energy Institute at the University of Texas.

But it has been foreign oil and gas companies, including most recently [Total](#) of France and [BHP Billiton](#) of Australia, that have been most outspoken about the dangers of climate change.



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

INDUSTRY ARTICLE

More Oil Companies Could Join Exxon Mobil as Focus of Climate Investigations (Cont.)

Last month, 10 of the world's biggest oil companies, including BP, Royal Dutch Shell, Saudi Aramco, Repsol of Spain, Eni of Italy and Total, made a public declaration acknowledging that their industry must help address global climate change.

None of the big American companies joined the group, largely because they oppose carbon taxes and trading of carbon-emission permits — remedies that would raise the price of fossil fuels like oil and [natural gas](#).

Last September, five major European, Asian and Latin American oil and gas companies signed on to a voluntary United Nations-backed program to monitor and disclose methane emissions, as well as invest in technologies to control greenhouse gases from their operations.

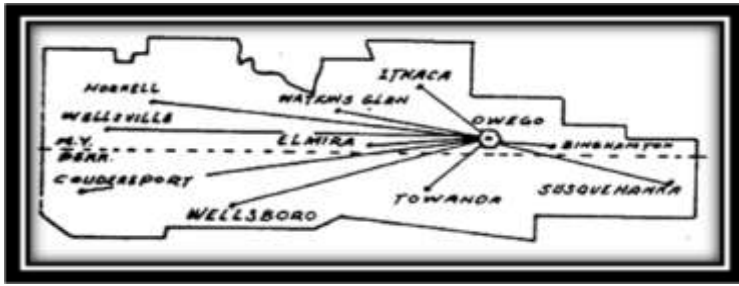
The only American company to join was [Southwestern Energy](#), a midsize Houston-based company that mostly invests in natural gas.

“There are times to go off the reservation, and this may be one of them,” said Steven L. Mueller, chief executive of Southwestern Energy, just after his company joined the effort.

Energy experts say it will be harder to make cases against the oil companies than it was against tobacco companies that deliberately hid research from their customers, since many oil company scientists, including those of Exxon Mobil, have presented papers on climate change publicly at conferences and contributed to the research of international groups concerned with the issue.

“Unless they directly lied in Congress, the legal case against them is kind of thin,” said Hal Harvey, chief of Energy Innovation, an energy consultancy. But he added, the record shows that the companies “have walked away from being a credible spokesman on science.”

Krauss, Clifford. (2015, November 6) *More Oil Companies Could Join Exxon Mobil as Focus of Climate Investigations*. Retrieved From <http://www.nytimes.com/2015/11/07/science/more-oil-companies-could-join-exxon-mobil-as-focus-of-climate-investigations.html?ref=energy-environment>



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

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.

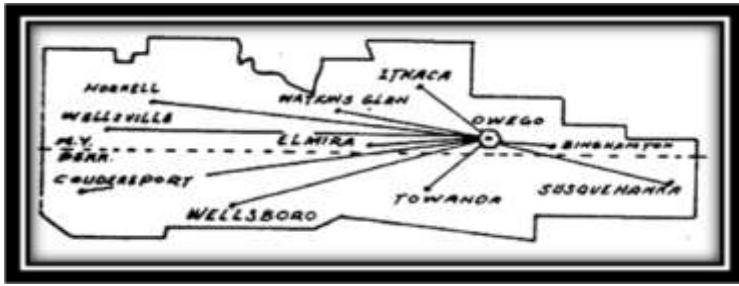
H&V Equipment Sales, Inc. a manufactures representative for applied HVAC equipment is seeking a motivated salesperson to help expand its market presence in Western and Central NY.

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
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.



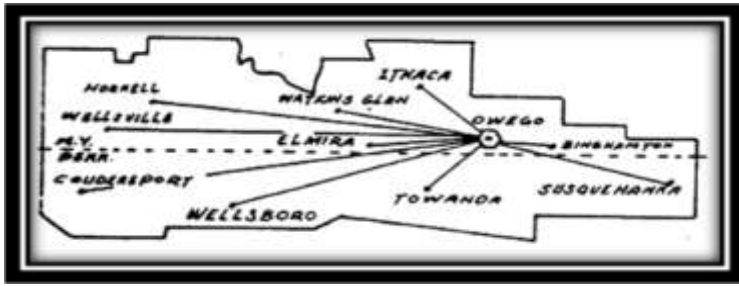
If you are interested in this opportunity apply on-line at:

<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



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.

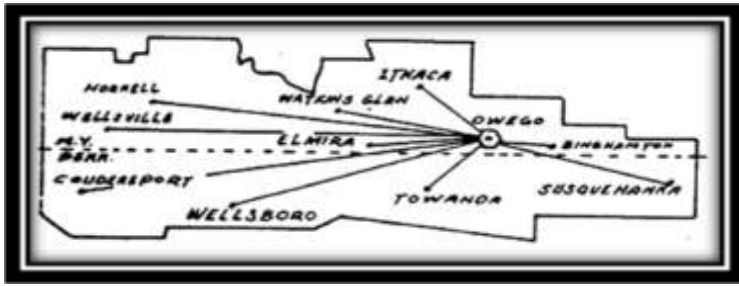
The ideal candidate will possess:

- 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.

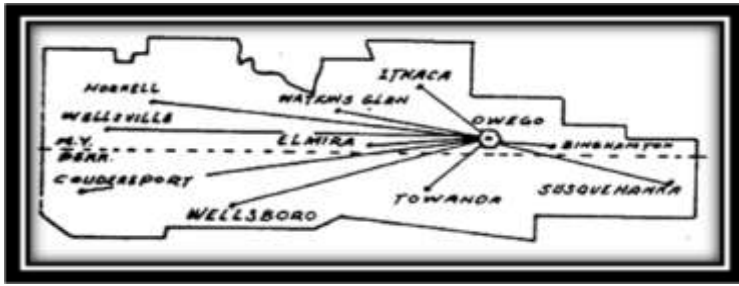
We are currently seeking a Mechanical Engineer with a strong focus and background in Building Projects to work in our Elmira Heights, NY Office. This position will work closely with the mechanical engineering staff to develop concepts, strategies, designs, drawings, specifications and reports.

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.

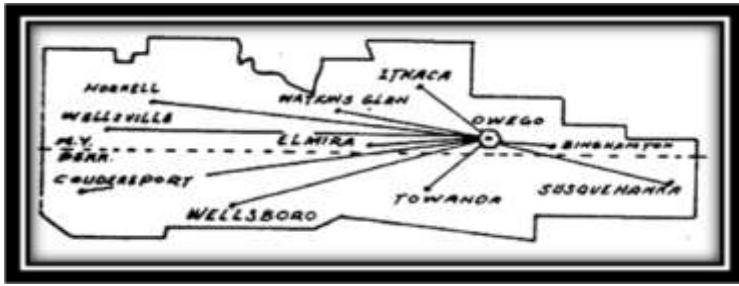
We are currently seeking a Junior Level Electrical Engineer with a career interest in Building Projects to work in our Elmira Heights, NY office. This position will work with other Engineers as part of a Project Team to develop concepts, strategies, designs, drawings, specifications and reports. Duties 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, 2015.

- 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 anice@meiersupply.com.

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

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

Business Card Advertising 2016

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

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

If you aren't sure, just ask.

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

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

Questions? Call or email
Thank you for your support!
Andrew Nice
anice@meiersupply.com

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



Thank you
Sponsors!

2015 Business Cards



TECHNOLOGY PLUS
121 DRAHOS DRIVE
ALTAMONT, NY 12009
WWW.TECHPLUSLLC.COM

BRIAN SEXTON
EMAIL: BRIAN@TECHPLUSLLC.COM

OFFICE 607-882-9537
FAX 607-882-9539
CELL 518-320-2733

BOILERS • HYDRONICS • STEAM SPECIALTIES

MEIER SUPPLY CO., INC.
Refrigeration, Air Conditioning & Heating



Andrew Nice
Commercial HVAC Sales Engineer
Applied Products Division
607.760.5960 Cell
Commercial Air Conditioning

275 Broome Corporate Pkwy
Conklin, NY 13748
www.MeierSupply.com
ANice@MeierSupply.com



Mike McGinnis, P.E.
306 MILE CROSSING BLVD., ROCHESTER, NY 14624
Direct (607) 727-3168
Office (585) 436-1940
Fax (585) 436-6606
Email mmcginnis@rlkistler.com
www.rlkistler.com

- PRECISION AIR CONDITIONING
- PRECISION POWER CONDITIONING
- EMERGENCY GENERATORS
- HUMIDIFICATION / DEHUMIDIFICATION
- FUME HOOD CONTROLS
- GREEN HVAC PRODUCTS



Evan Hallas
Aerosol Operations Manager

ehallas@taitem.com
Taitem Engineering, PC
110 South Albany Street
Ithaca, New York 14850
v 607.277.1118 x103
c 607.592.0001
www.taitem.com



Rob VanSkiver
H&V Equipment Sales
P.O. Box 64582
Rochester, NY 14624
(585) 591-8168 Office
(585) 472-6146 Cell
Email: rvanskiver@hvgroup.us

Manufacturers' Representatives

Air Distribution
Mechanical Equipment
HVAC Warehouse

www.hvgroup.us



Richard R. Sanguinito, PE, LEED AP
Vice President

o 607-231-6605
c 607-222-3509
f 607-231-6650
rsanguinito@delta-eas.com

860 Hooper Road
Endwell, NY 13760
www.delta-eas.com

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



Thank you
Sponsors!

2015 Business Cards

Chris Devins
Account Manager



TRANE

15 Technology Place
Syracuse, NY 13057
Office (315) 234-1501 Cell (315) 313-3848
Fax (315) 433-9120
chris.devins@trane.com
www.trane.com



Ryan Byrd
Sales Engineer



TRANE

Trane Commercial Systems
15 Technology Place
East Syracuse, NY 13057
Office (315) 234-1503
Fax (315) 433-9120
rjbyrd@trane.com
www.trane.com



Shey Doane
Sales Engineer



TRANE

Trane Commercial Systems
15 Technology Place
East Syracuse, NY 13057
Office (315) 234-1509 Mobile (315) 382-2350
Fax (315) 433-9120
sdoane@trane.com
www.trane.com



Glenn Roberts
HVAC Sales Engineer - Equipment and Controls



TRANE

Trane
15 Technology Place
East Syracuse, NY 13057 US
Office (315) 234-1527 Cell (315) 374-3050
Fax (315) 433-9120
groberts@trane.com
www.trane.com



John Anderson
Account Manager - Owner Markets



TRANE

Trane
15 Technology Place
East Syracuse, NY 13057
Office (315) 234-1506 Cell (315) 415-0614
Fax (315) 433-9120
john.anderson@trane.com
www.Trane.com



**MODULAR
COMFORT SYSTEMS**

Daniel Brosnan

5860 Belle Isle Rd • Syracuse, NY 13209 Phone: 315-484-9048 Fax: 315-484-9528
7401 Willowbrook Rd • Victor, NY 14564 Phone: 585-398-8018 Fax: 585-924-8632
Cell: 315-952-5056 Email: dbrosnan@modcoms.com Web: www.modcoms.com

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



Thank you
Sponsors!

2015 Business Cards

ABELLA

Architecture | Engineering | Environmental | Planning

John Hewitt, PE 607.319.4138
202 The Commons, Suite 304 jhewitt@labelapc.com
Ithaca, NY 14850 www.labelapc.com

Ph (607) 797-1196
(800) 745-7473



www.bhvfab.com
creid@bhvfab.com

Christopher Reid
Vice President

BHV Sheet Metal Fabricators, Inc.
505-507 Prentice Road - Vestal, NY 13850

BLAKE *Solutions for Peak Performance*
EQUIPMENT Manufacturers Representative
The Blake Group Speciality Distributor

Boilers Heat Recovery Power Gen Pumps Hydronics	Domestic Hot Water Solar Thermal Geothermal Water and Waste Water Water Filtration
---	--

Blake Equipment
6059 Corporate Dr
E Syracuse, NY 13057

315-472-6311
www.blakeequip.com

Camfil USA, Inc.



6600 Deere Road
Syracuse, NY 13206
Tel: 315-468-3849
Fax: 315-468-1561
Mobile: 315-727-2302
Email: joe.o'hara@camfil.com
www.camfil.com

Joe O'Hara
Territory Sales Manager

victaulic

TRAVIS LEBRUN

Syracuse Territory
Email: travis.lebrun@victaulic.com

Cell: 207/274-3906

victaulic

KEVIN DOTY

4901 Kesslersville Road
Easton, PA 18040
Email: kevin.doty@victaulic.com

Cell: 484/523-8908

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



Thank you
Sponsors!

2015 Business Cards



YOUR BUSINESS CARD COULD BE HERE!

**Your business card could be
seen by hundreds of potent
clients every month!**

Contact Andrew Nice for more Info!
607-760-5960
anice@meiersupply.com



Only \$50 per Year!

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



Comments? Suggestions?

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

We welcome your feedback!



ASHRAE Mission Statement

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

Ethics Requirement for PE

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

ASHRAE Vision Statement

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

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

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

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

Twin Tiers Chapter Mailing Address:

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