ASHRAE 2014-2015

June Event
June 16, 2015

Annual Twin Tiers ASHRAE Golf Tournament & Clambake

Golf Tournament:
Vestal Hills County Club

Clambake:
Mountain Top Grove

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
anice@meiersupply.com
Dear Twin Tiers Chapter Members,

With the conclusion of our final chapter meeting brings the ASHRAE year’s most fun event, our golf and clambake! We’ve switched it up a bit this year to have a full clambake at Mountain Top Grove and have changed the location of the golf tournament to Vestal Hills Country Club. It promises to be an exciting fun filled event which we look to grow into a “must attend” event.

A special thanks to Lanny Joyce and Mark Howe of Cornell University for their fantastic tour of Weill Hall. We all hope the building skin lasts forever like promised! The quality and order of the mechanicals in that building are just amazing. Thank you both again for a great tour and informative presentation.

I was shocked and saddened to hear the news of the passing of our past president Lew Durland. What a great man with great visions of sustainability. He will truly be missed in our society and in the community. My thoughts and prayers go out to his family and friends.

Lastly thank you for a great year as your chapter President. I really enjoyed my term and hope I fulfilled my duties in every members eyes. I am thankful for a great group of officers, chairmen, and board members who really did all the work and got me through my term. Thank you to all of you and I look forward to serving with you again next year.

I hope to see you all at the golf tournament and clambake!

Best regards,
Andrew Nice
Twin Tiers Chapter President
Twin Tiers Chapter

Presidential Award of Excellence (PAOE)

<table>
<thead>
<tr>
<th></th>
<th>Membership Promotion</th>
<th>Student Activities</th>
<th>Research Promotion</th>
<th>Historical</th>
<th>Chapter Operations</th>
<th>Chapter Technology Transfer</th>
<th>Grassroots Government Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIN/PAR</td>
<td>500/800</td>
<td>300/500</td>
<td>800/1050</td>
<td>100/300</td>
<td>400/1000</td>
<td>450/1050</td>
<td>500/650</td>
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<tr>
<td>Current</td>
<td>840</td>
<td>665</td>
<td>670</td>
<td>375</td>
<td>1020</td>
<td>975</td>
<td>625</td>
</tr>
</tbody>
</table>

5,170 POINTS CURRENT AS OF 6/05/2015

Chapter Committee Chairs

**Technology Transfer**
Doug Breese
dbreese@labellapc.com
(585) 402-7090

**Government Activities**
Petros Paphathomopoulos
(607) 723-9421
ppapathomopoulos@mjinc.com

**Refrigeration**
Tim Fabian
tfabian@meiersupply.com
(607) 427-0436

**Golf & Clambake Outing**
Jason Gilbert
gilbert@binghamton.edu
(607) 777-2240

**Membership Promotion**
Michael McGinnis
mmcginnis@rlkistler.com
(607)727-3168

**Nominating**
James F. Chesko
jchesko@airtemphvac.com
607-772-8362

**Meeting Reception**
Petros Paphathomopoulos
(607) 723-9421
ppapathomopoulos@mjinc.com

**H.O. Ward Scholarship**
Jason Gilbert
gilbert@binghamton.edu
(607) 777-2240

**Research Promotion**
Matt Hawley
mhawley@airtemphvac.com
(607) 772-8362

**Student Activities**
Jason Gilbert
gilbert@binghamton.edu
(607) 777-2240

**Membership Directory**
Michael McGinnis
mmcginnis@rlkistler.com
(607)727-3168

**Albern Education Fund**
Richard Sanguinito
rsanguinito@deltaengineers.com
(607) 231-6605

**Honors & Awards**
Andrew Nice
anic@meiersupply.com
607-760-5960

**Historian**
Richard Sanguinito
rsanguinito@deltaengineers.com
(607) 231-6605

**Symposium– Fall/Spring**
Travis Fisher
tf222@cornell.edu
(607) 255-5608

**Auditing**
Rick Lopez
rslopez@proairplus.com
(315) 487-8791

**Webmaster**
Mike Colwell
mcolwell@mail.ashrae.org
(607) 724-8282

**Newsletter Editor**
Andrew Nice
anic@meiersupply.com
607-760-5960

**YEA: Young Engineers**
Travis R. Fisher/Mike McGinnis
607.231.6644
tfisher@deltaengineers.com

**Publicity**
Michael McGinnis
mmcginnis@rlkistler.com
(607)727-3168
2015-16 Twin Tier ASHRAE Officers

2015-16 Officer Instatements
President – Doug Breese
President-Elect – Travis Fisher
Vice President – Petros Papathomopoulos
Treasurer – Jacob Schatz
Secretary – Michael McGinnis

2015-16 Chair Position Instatements
Grassroots Government Activities Chair - Petros Papathomopoulos
Membership Promotion Chair – Chris Wolak
Student Activities Chair – Jason Gilbert
Webmaster – Michael Colwell
Historian – Richard Sanguinito
Newsletter Editor – Andrew Nice
Publicity – Andrew Nice
YEA – Travis Fisher (Co-Chair Devin Shapley)
Golf & Clambake Chair – Michael McGinnis (Co-Chair Matt Hawley)
Audit Committee – Richard Sanguinito & Jason Gilbert
Refrigeration Chair – OPEN
Research Promotion Chair - OPEN

2015-16 Board of Governors Instatements
Andrew Nice
Devin Shapley
Chris Wolak
Rob VanSkiver

Thank you to all our volunteers this year and congratulations and thank you to all next years volunteers.

If you or someone you know is interested in volunteering their time please contact Andy Nice at anice@meiersupply.com.
**Twin Tiers Chapter—Monthly Meeting Information**

**2014-2015 Meeting Dates:**

<table>
<thead>
<tr>
<th>Date</th>
<th>Speaker</th>
<th>Tech Session Topic, Tour or Meeting Info</th>
<th>Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-Sep</td>
<td>Rick Allabaugh/Andy Nice</td>
<td>UMH Hilltop VRF Tour &amp; Presentation</td>
<td>28</td>
</tr>
<tr>
<td>21-Oct</td>
<td>Various / TBD</td>
<td>Fall Engineering Symposium - Daytime</td>
<td>-</td>
</tr>
<tr>
<td>21-Oct</td>
<td>Seth Weisel</td>
<td>Galaxy Brewing Tour</td>
<td>25</td>
</tr>
<tr>
<td>18-Nov</td>
<td>Casey Bernhard, Ali Raza, &amp; Rob</td>
<td>Energy efficiency improvements Related to Server Performance, IT Requirements and Power Usage Theme: History Night</td>
<td>28</td>
</tr>
<tr>
<td>16-Dec</td>
<td>Lewis Harriman (DL)</td>
<td>Ice Rink Tour &amp; Presentation Theme: Membership/Refrigeration/Student/YEA Night</td>
<td>23</td>
</tr>
<tr>
<td>20-Jan</td>
<td>Art Studer / Chuck Gaylord</td>
<td>Case study of transforming “dumb” roof top units to energy efficient machines. It is brain surgery. Theme: Research Promotion</td>
<td>36</td>
</tr>
<tr>
<td>17-Feb</td>
<td>Richard Miller / Danny Miller</td>
<td>Binghamton University Tour &amp; Presentation Theme: Student/YEA Night</td>
<td>28</td>
</tr>
<tr>
<td>17-Mar</td>
<td>Jason Gilbert</td>
<td>Spring Engineering Symposium—Daytime</td>
<td></td>
</tr>
<tr>
<td>19-May</td>
<td>Lanny Joyce</td>
<td>Cornell University LEED Gold Weill Hall Biomedical Lab Tour &amp; Presentation Theme: Membership Promotion</td>
<td>36</td>
</tr>
<tr>
<td>16-Jun</td>
<td>None</td>
<td>Golf Tournament</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** Speakers and topics are subject to change based on availability.
May BOG Meeting Minutes

Board of Governors Meeting
Date: Tuesday 5/19/2015 @ 4:00 PM
Location: Synapsis Café Cornell University Ithaca, NY

Meeting Minutes
The meeting was called to order at: 4:09 PM by Andy Nice.

Call to Order and Attendance:
Attendance: Andy Nice, Mike McGinnis, Doug Breese, Chris Wolak, Petros Papathomopoulos, Devin Shapley, Rick Sanguinito, Matt Hawley

General Announcements – Andy Nice
a) March Meeting Minute Approval: Motion By: Mike McGinnis
   Second By: Doug Breese
b) A Board of Governors Meeting was not held in April.

Treasurer’s Report – Petros Papathomopoulos
All accounts are in good standing.
Devin to inquire about the cost of Quick Books Software.

PAOE Responsibility – Andy Nice
Membership Promotion (585/500/800) Mike McGinnis
   Mike to update points.
   Chris Wolak has booked his central MP training for next year.

Student Activities (665/300/500) Jason Gilbert (Not Present)

Research Promotion (600/800/1050) Matt Hawley
   Andy to ask Glenn Roberts about RP Chair Position.
   Matt to find out if Petros sent the Super Bowl RP Check to society.

History (375/100/300) Rick Sanguinito
   Question for CRC: Why do you only get PAOE points for 3 years as History chair?

Chapter Operations (1020/400/1000) Andy Nice
   Andy to submit 2015-16 CIQ.

Chapter Technology Transfer(975/450/1050) Doug Breese

Grassroots Government Activities (625/500/650) Petros Papathomopoulos
May BOG Meeting Minutes

Committee Reports - Andy Nice

Golf & Clambake: Jason Gilbert / Mike McGinnis
Check paypal for golf payments.
Door prizes low this year.

Newsletter: Andy Nice
Newsletter to be sent out earlier next year.
Format to be revamped.

YEA: Mike McGinnis/Travis Fisher
Mike McGinnis motions to give the tour guide/speaker for the YEA events a small speaker gift.
$25 (Same as speaker gifts.)
Doug Breese motions to approve & Rick Sanguinito seconds the motion.

Publicity: Mike McGinnis
Andy Nice to fill position in 2015-16.

Old Business

PayPal: Look into changing account out of Shirley Jean’s Name & into a Non-Profit Account (TABLED FOR NEXT YEAR)
1. How is the name changing procedure coming?
2. Non-Profit Account details?

Scholarship: (TO BE DISCUSSED AT THE SUMMER BOG)
When and how do we advertise the scholarship?
Who is eligible, what do the appliers need to do, and what is the deadline?
When and who selects the winner(s)?
How do we announce the winners and how do we disperse the scholarship(s)?
Add a scholarship page to the website.

Member Shirts:
Agreed on Charcoal Color Golf Shirts
Shirts will be given to members who are attending the CRC & Members with attend ½ of the Meetings.
Shirt lead time 1 - 2 Weeks
Current free shirt count: 13 (does not include May Meeting or CRC Attendance)
Make a shirt order form for the Golf Tournament.
Send out an email to all who are eligible for a free shirt. Get their sizes.
Order a sample shirt for the golf tournament.

Region 1 CRC:
When: August 20 – 22
Where: Crowne Plaza Hotel - Syracuse, NY
Recommended attendance: EVERYONE!

Meeting adjourned motion by: Matt Hawley
Second by: Petros Papathamopoulous
The meeting was adjourned at: 5:03 PM
ANNUAL TWIN TIERS GOLF & CLAMBAKE

2015 Golf Tournament & Clambake - Tuesday, June 16, 2015

Golf shotgun start at 10:00 AM & Clambake 4:00-8:00 PM

Golf Tournament:
Vestal Hills Country Club
3115 Webb Rd, Binghamton, NY 13903 • (607) 723-7579
 Captain & Crew format. Includes greens fees, two carts, lunch at the turn, soft drinks, keg beer & prizes for winners. (Foursomes only)
 For those of you looking for a twist on the typical 50/50 raffle, we will also be holding a putting contest to raise money for the chapter.
 Denim shorts, skirts, jackets, and jeans are prohibited throughout the club’s facilities. Parties found in violation of dress code will be asked to change into acceptable clothing or purchase such from Pro Shop.

Clambake:
Mountain Top Grove
534 Hance Rd, Binghamton, NY 13903 • (607) 669-9191
 Menu: The menu will include clam chowder, ribeye steak sandwiches, pork and beef BBQ sandwiches, sausage with onions and peppers, potatoes, corn, fresh salad, soft drinks, wine, beer, and Plenty of Raw and Steamed Hard Shell Clams
 Great Door Prizes and 50/50 raffle to benefit Research Promotion

Captain’s Name & Company: ________________________________

For tickets or more information, contact
Mike McGinnis
mmcginnis@lkiestler.com
41 Davis St, Binghamton NY 13905

Matt Hawley
Mhawley@airtemp HVAC.com

<table>
<thead>
<tr>
<th>Package</th>
<th>Early Bird Price (on or before 5/12)</th>
<th>Regular Price (After 5/12)</th>
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</thead>
<tbody>
<tr>
<td>Golf only (4 person team)</td>
<td>$250</td>
<td>$275</td>
</tr>
<tr>
<td>Golf, 4 Clambake tickets, Putting Contest for 4</td>
<td>$475</td>
<td>$525</td>
</tr>
<tr>
<td>Golf, 4 Clambake tickets, Hole Sponsor, Putting Contest for 4</td>
<td>$550</td>
<td>$625</td>
</tr>
<tr>
<td>Hole Sponsor (includes 1 clambake ticket)</td>
<td>$110</td>
<td>$130</td>
</tr>
<tr>
<td>Clambake Tickets</td>
<td>$50</td>
<td>$60</td>
</tr>
</tbody>
</table>

Note: All forms and payment must be received by June 5, 2015
Payment & Registration may be completed online @ http://twintiers.ashraechapters.org or you may send the registration form and a check to confirm your reservation.
Checks should be made payable to Twin Tiers ASHRAE.
As a token of our appreciation for your dedication to this chapter we are giving away free shirts to the members listed above. To qualify for the free shirt you had to attend at least 4 of the chapter meetings this year. If your name does not appear above and it should please email Andy Nice at anice@meiersupply.com. Shirts can also be purchased for $30 (S-XL) $35 (2XL-4XL).
Historian Message

MAY 2015 Chapter Meeting Summary
Membership Promotion Night
By
Rick Sanguinito Historian 2014-2015

SPEAKERS:
W. S. (Lanny) Joyce, PE, CEM
Director of Utilities and Energy Management for Cornell University.
Mark Howe, PE, CEM Energy Manager for Cornell University.

DATE: Tuesday, May 19th, 2015
TIME: 5:15 PM

TOUR LOCATION: Weill Hall Lobby, Cornell University

Weill Hall (LEED Gold) biotechnology (lab design) building. The presentation discussed a campus-wide analysis of the costs and benefits of the Energy Conservation Initiative and Cornell’s Renewable Energy.

Present at the meeting included:


(Note names are not in Alphabetic order as a way to familiarize yourself with others in the group)
Historian Message

Photo 1: Tour Guide Lanny Joyce

Photo 2: President Andy Nice

Photo 3: Weill Hall Mechanical Room Tour

Photo 4: Presentation at Moakley House
What Were They Thinking???

“Fans happen! But seriously how does this happen?”

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. ***
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) 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 Publications from ASHRAE

ASHRAE, a leader in building information technology, develops publications that impact every facet of the environment, both indoors and out.

Data Center Design and Operation – ASHRAE Datacom Series CD 4th Ed.
This CD-ROM presents the full text of all eleven ASHRAE Datacom Series publications and Standard 127-2012 in fully searchable and printable PDF format. Authored by ASHRAE Technical Committee 9.9, the Datacom Series provides comprehensive treatment of data center cooling, energy efficiency, and related subjects.

$289 ($246 ASHRAE Member) / CD / 2014

ASHRAE Reference Offers Design Guidance on Healthcare HVAC Systems
The second edition of HVAC Design Manual for Hospitals and Clinics provides in-depth design recommendations based on best practices from consulting and hospital engineers, with a focus on presenting what's different about healthcare HVAC systems.

$129 ($109 ASHRAE Member) / 312 pages / 2013

Visit www.ashrae.org/bookstore to learn more about these and other outstanding ASHRAE publications!
TRAINING

This full day design-focused workshop examines best practices for combining modern, high efficiency wood-fueled boilers with hydronic distribution systems. It covers the operating characteristics of wood-gasification boilers, pellet-fired boilers, and the latest hydronic heating technology that complements these high efficiency heat sources. The hydronic topics discussed include low temperature heat emitters, high efficiency circulators, modern control techniques, and optimal use of thermal storage. The workshop culminates with several examples of how to combine these heat sources and distribution techniques into stable, efficient, and reliable systems.

If you plan to be involved in designing or installing high efficiency wood-based biomass heating systems, this workshop will present a wide range of design details that will help optimize the performance your systems deliver.

This workshop is required for installers who want to participate in NYSERDA's Renewable Heat NY program. This program currently has $20 million allocated for promoting the use of high efficiency / low emission biomass boilers within New York State, in both residential and commercial applications. Additional information on the Renewable Heat NY program is available at http://www.nysserda.ny.gov/renewableheating.

This workshop is approved for 7 AIA and 3.5 BPI hour credits. AIA learning hours can be used to meet Professional Development Hour (PDH) requirements for NYS licensed engineers.

Here is the current 2015 Training Schedule:

**Thursday, February 19, 2015**
8:00 AM - 5:00 PM
Burgundy Basin
1381 Marsh Road
Pittsford, New York 14534

**Wednesday, May 20, 2015**
8:00 AM - 5:00 PM
Clinton Community College
136 Clinton Point Drive
Plattsburgh, NY 12901

**Wednesday, April 8, 2015**
8:00 AM - 5:00 PM
Holiday Inn Downtown Binghamton
2-8 Hawley Street
Binghamton, New York 13902

**Tuesday, June 16, 2015**
8:00 AM - 5:00 PM
SUNY College of Environmental Science
1 Forestry Drive
Gateway Center
Syracuse, NY 13210-2785

Course enrollment fee: $149* (which includes lunch, breaks, and PDF file of full presentation) *Groups of 3 or more attendees from same company: $126.65/each

For more information contact Meeting Planner,
Heather Courtney at heather@meetingie.com or (518) 852-0740

Instructor Bio:
John Siegenthaler, P.E., is a mechanical engineering graduate of Rensselaer Polytechnic Institute, a licensed professional engineer, and Professor Emeritus of Engineering Technology at Mohawk Valley Community College. "Siggy" has over 35 years of experience in designing modern hydronic heating systems, including systems using high efficiency biomass boilers. John is principal of Appropriate Designs - a consulting engineering firm in Holland Patent, NY, and author of the textbook - Modern Hydronic Heating.
EVENTS

Join us at ASHRAE’s 2015 Annual Conference
June 27–July 1 | Atlanta, Georgia | www.ashrae.org/atlanta

Join ASHRAE in its hometown of Atlanta! Take advantage of the opportunity to discuss and examine the latest topics in the building industry, such as high performing buildings and modeling, through the technical program; participate in technical tours; attend ASHRAE Learning Institute courses; sit for an ASHRAE certification exam; and earn professional development credits.

Conference Technical Program—includes the third annual Research Summit, which brings together researchers to present and discuss the latest research. Tracks focus on the design, construction and operation of high performance buildings, specifically advanced design guidance, modeling, operation and optimization, and indoor air quality. Laboratories, refrigeration, fundamentals, applications, systems and equipment round out the program.

Networking—share ideas and learn from fellow members from your hometown and around the world.

ASHRAE Learning Institute—choose from two full-day professional development seminars and seven half-day short courses to stay current on new HVAC&R technologies.

ASHRAE Certification—to gain a competitive edge, apply by June 9 to sit for an ASHRAE Certification exam.

Why You Should Join ASHRAE in Atlanta…

Gain personal and career excellence through peer contact, exchange of technical information and continuing education. Share ideas with colleagues from around the world. Find out the latest, and future, activity in your technical interest area by participating in technical committee meetings.

ASHRAE Conference technical tours give you a first-hand look at technology developed by members to further the industry. Tours include Southface Eco Office, Ponce City Market, ASHRAE Headquarters, Georgia Institute of Technology and the Fox Theatre.

187 Professional Development Hours
Available PDHs recognized by most U.S. states. AIA LUs and LEED®AP credits are available through ASHRAE Learning Institute courses and Technical Program sessions.
Please mark your calendars for August 20 to 22 because the Central New York Chapter CRC is fast approaching. We have many things planned for you and your family to enjoy in the Central New York area. Among the events planned are the welcome party at the “Original” Dinosaur BBQ and replacing the traditional Presidential Dinner with a fun filled evening with a clambake at Hinderwadel’s Clam Grove. You can make reservations plus check out other things to do in the area on our website at www.ashrae2015crc.com

Hope to see you in Syracuse!
-CNY ASHRAE CRC Committee

The Crowne Plaza has a shuttle available for use by hotel quests. The shuttle is available anytime throughout the day. The shuttle will bring you and your family to the following destinations:

- **Airport drop off and pick up**
- **Destiny USA** - This is one of Americas largest shopping and entertainment venues. More than 200 retailers, kid’s adventure including go carts, Wonderworks, Dave and Busters and much more. The Onondaga Creekwalk starts (or ends) at Destiny USA. [www.destinyusa.com](http://www.destinyusa.com);
- **Armory Square** – Armory Square is located downtown and includes boutique shopping and a variety of restaurant, cafes and bars with outdoor seating and entertainment, the MOST (Museum of Science and Technology). Armory Square is also the start (or end) of the Creekwalk, a walking path along Onondaga Creek through the heart of Syracuse. [www.armorysq.org](http://www.armorysq.org); [www.most.org](http://www.most.org); [www.syracuse.ny.us/Creekwalk.aspx](http://www.syracuse.ny.us/Creekwalk.aspx)
- **Downtown** – Outside of Armory Square is a host of other restaurants, shops and museums including the Erie Canal Museum, Everson Art Museum. Syracuse is filled with beautiful architecture. [www.downsnyracuse.com](http://www.downsnyracuse.com); [www.everson.org](http://www.everson.org); [www.eriecanalmuseum.org](http://www.eriecanalmuseum.org); [www.CNYhistory.org](http://www.CNYhistory.org)
- **Onondaga Lake Parkway** – This Park on the lake is a recreational gemstone, with a 10 mile biking, walking, rollerblading trail on the lake, Wingman's kid’s park, the Salt Museum, picnic and recreational areas, and a short walk to the village of Liverpool. [www.onondagacountyparks.com/onondaga-lake-park](http://www.onondagacountyparks.com/onondaga-lake-park)

Access to these venues by the free shuttle is a great way for your family to enjoy the Syracuse area while visiting for the 2015 ASHRAE Region 1CRC.
American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

2015 CRC

CRC Thursday Night
Welcome Dinner
Aug 20, 2015
5:00 pm till Midnight
246 West Willow St.
Syracuse, NY 13202

A MUST ATTEND EVENT!!!
Fun, entertaining and a GREAT TIME to socialize with your friends.

- Best BBQ in town
- Original Dinosaur BBQ ribs
- Original Dinosaur BBQ originated in 1952

Happy Hour
Appetizers and 1 Hour Open Bar!!!
5:00 - 6:00 pm

Live band music till midnight!!!
YEA and all, are invited to the Fun!!!
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.
Twin Tiers Chapter—Employment Opportunities

Open Position - Building Energy Modeling Analyst

Job Summary

The Building Energy Modeling Analyst will use his or her knowledge of engineering and building performance to provide modeling support for Energy Efficiency Analysis, Building Conditions Assessments; LEED Services; Asset Score and ENERGY STAR Services and Green Building Design. Typical projects will include energy and water related building performance analysis, including application of the OpenStudio software tools. Additional duties will include delivering trainings.

Key Tasks & Responsibilities

- Perform whole building energy modeling and analysis, M&V and building re-tuning services.
- Perform engineering studies for a variety of facilities (including but not limited to Commercial, Retail, Manufacturing and Multi-family) and develop energy reduction plans for submission to state/utility incentive programs. Develop energy efficiency recommendations related to lighting, HVAC, building envelope, process equipment, etc.
- Deliver various trainings related to software and auditing tools and techniques, in person and via interactive online sessions.
- Provide team members with technical analysis for ongoing projects. Submit timely reports for review by senior engineering staff. Manage time effectively and within project budget constraints.
- Customer support activities (customer mentoring and model / tool development)

Candidate Requirements

Required

- Bachelor’s Degree in Mechanical Engineering or related field.
- Minimum 3 years of relevant experience with energy systems commonly found in buildings, including a working knowledge of building HVAC systems and controls.
- Demonstrable experience with energy analysis/benchmarking and energy modeling software (Trace 700, eQUEST, OpenStudio, etc.)
- Demonstrable familiarity with relevant building/energy codes and standards (IECC / ASHRAE, etc.) and conducting energy audits.
- Knowledge of the basic physics underlying building science and the basic engineering equations underlying energy efficiency calculations.

For complete information go to: http://psdconsulting.com/th_gallery/building-energy-modeling-analyst/
MECHANICAL ENGINEER

Delta Engineers, Architects, & Land Surveyors, P.C., a growing upstate NY design firm, is currently seeking a Mechanical Engineer in our Endwell, NY office. Experience in HVAC, Plumbing and Fire Protection is highly preferred.

Primary Duties Include:

- Using methods recommended by senior project team members, perform work which involves conventional and/or complex types of plans, investigations, surveys, structures, or equipment
- Is expected to solve engineering problems using thermodynamics, fluid mechanics, and heat transfer to design water, waste water, hydronic, and gaseous piping and ductwork. Design and selection of HVAC equipment associated with the building environment.
- Prepare, or assist in the preparation of, engineering documents, details, schedules or reports as assigned
- Attend and/or lead client meetings/presentations – daytime or evenings
- Communicate with client representatives, contractors, suppliers, etc.
- Serve and/or lead field inspection teams to obtain and document existing conditions using field notes, sketches, and photography
- Develop quantity take offs and construction cost estimates
- Develop project specifications and bidding documents
- Participate and/or lead site visits/inspections/documentation during construction

The preferred candidate should have a minimum 2 year degree with at least 5 years relevant experience, or 4 year degree with at least 2 years of relevant experience. Compensation for this position depends on experience. This position provides a competitive benefits package.

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Primary Duties Include:

- Assist the Project Manager in developing design parameters, scopes of service and person-hour estimates during the proposal stage
- Assign individual work tasks and provide guidance to subordinate team members of that design discipline. Discuss the desired expectations of the delegated work including the amount of time estimated to complete the work
- Responsible for the quality control of work products (e.g., reports, studies, drawings, letters, calculations, memos, etc.)
- Responsible for adherence to applicable codes
- Responsible for the preparation of technical specifications
- Responsible for the processing of shop drawings and submittals
- Monitor performance of project team members and provide feedback to the Project Manager.
- Attend and/or lead client meetings/presentations – daytime or evenings
- Communicate with client representatives, contractors, suppliers, etc.
- Participate and or lead site visits/inspections/documentation during construction

The preferred candidate should have an Associate’s degree with a minimum of 7 years experience or a Bachelor’s degree with a minimum of 4 years relevant experience; a PE License is preferred. Compensation for this position depends on experience. This position provides a competitive benefits package.

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**Business Card Advertising 2015**

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 2015. 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 2015 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!
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Ryan Byrd
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Office (315) 234-1503
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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 promote a sustainable world”