ASHRAE 2016-2017

November Meeting
November 15, 2016

Tour & Presentation:
Ardagh Group Metals Plant

Mark Casadevall, PE.
EHS Specialist

Steven Walker
Production/Engineering Manager

To register, visit the Chapter website:
http://twintiers.ashraechapters.org

Please send all newsletter comments to:
Andrew Nice, Editor
c/o Meier Supply Co.
275 Broome Corporate Parkway
Conklin, NY 13748
Email the Editor

Inside this issue:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>President’s Corner</td>
<td>2</td>
</tr>
<tr>
<td>PAOE</td>
<td>3</td>
</tr>
<tr>
<td>Chapter Events Calendar</td>
<td>4</td>
</tr>
<tr>
<td>Chapter Meeting Details.</td>
<td>8</td>
</tr>
<tr>
<td>BOG Meeting Minutes</td>
<td>11</td>
</tr>
<tr>
<td>Training Events</td>
<td>17</td>
</tr>
<tr>
<td>Employment Opportunities</td>
<td>25</td>
</tr>
</tbody>
</table>
Dear Twin Tiers,

As the days are getting colder and shorter, I hope everyone is still taking time to enjoy the great fall colors and outdoors. It seems like the world starts to slow down as winter approaches. However, our Chapter is just heating up! I am excited to announce Jason Gilbert, Chapter Student Activities Chair, has just submitted the paperwork to establish an official ASHRAE Student Chapter at Binghamton University! The submission will be voted on at the ASHRAE Winter Meeting in Las Vegas. A big thank you to Jason and all the students involved to make this happen. Organizations of young professionals like this are the roots of our strong Engineering Community. The students involved are hoping to attend the winter meeting. If you have the ability, please help support their cause. This is the future of Twin Tiers ASHRAE!

In this week’s newsletter please check out our upcoming YEA event. Again, another organized event to support our young Engineers in the area. Don’t forget, even though this is an event for our younger crowd, even the experienced (older) members can attend as well! Thank you to Victoria Kramer and Devin Shapely for putting together the event.

Thank you to all of you who support and volunteer your time for ASHRAE,

-Travis
Twin Tiers Chapter President
American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

Twin Tiers Chapter

Presidential Award of Excellence (PAOE)

<table>
<thead>
<tr>
<th>Chapter Operations</th>
<th>Chapter Technology Transfer</th>
<th>Grassroots Government Activities</th>
<th>Historical</th>
<th>Membership Promotion</th>
<th>Research Promotion</th>
<th>Student Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIN/PAR</td>
<td>600/1200</td>
<td>450/1050</td>
<td>500/650</td>
<td>100/300</td>
<td>500/800</td>
<td>800/1050</td>
</tr>
<tr>
<td>Current</td>
<td>435</td>
<td>200</td>
<td>350</td>
<td>230</td>
<td>750</td>
<td>500</td>
</tr>
</tbody>
</table>


Chapter Committee Chairs

- **Technology Transfer**
  - Petros Papathomopoulos
  - (607) 723-9421
  - Email Me!

- **Government Activities**
  - Doug Breese
  - (585) 402-7090
  - 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**
  - Kyle Nedlik
  - (607) 321-6100
  - Email Me!

- **H.O. Ward Scholarship**
  - Jason Gilbert
  - (607) 777-2240
  - Email Me!

- **Research Promotion**
  - Glenn Roberts
  - (315) 234-1527
  - Email Me!

- **Student Activities**
  - Jason Gilbert
  - (484) 350-1954
  - Email Me!

- **Membership Directory**
  - Chris Wolak
  - (607) 723-9421
  - Email Me!

- **Albern Education Fund**
  - Richard Sanguinito
  - (607) 231-6605
  - Email Me!

- **Honors & Awards**
  - Doug Breese
  - (585) 402-7090
  - 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
  - (570) 706-0690
  - Email Me!

- **Newsletter Editor**
  - Andrew Nice
  - 607-760-5960
  - Email Me!

- **YEA: Young Engineers**
  - Devin Shapley
  - (607) 723-4979
  - Email Me!

- **Publicity**
  - Andrew Nice
  - 607-760-5960
  - Email Me!
# Twin Tiers Chapter – Monthly Meeting Information

## 2016-2017 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>20-Sep</td>
<td>Andy Nice, Meier Supply Co.</td>
<td>VRF Training Center Tour and Properly Specifying VRF Presentation</td>
<td>21</td>
</tr>
<tr>
<td>18-Oct</td>
<td>Stan Kutin, Bell &amp; Gossett</td>
<td>Advancements in Pumping &amp; Motor Efficiency</td>
<td>23</td>
</tr>
<tr>
<td>15-Nov</td>
<td>Mark Casadevall, Ardagh Group</td>
<td>Tour of Ardagh Group LEED Canning Facility</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Steven Walker, Ardagh Group</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20-Dec</td>
<td>Theodore Firnstein, Siemens</td>
<td>Green Lab Solutions (PDH)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Theme: RP Night</td>
<td></td>
</tr>
<tr>
<td>17-Jan</td>
<td>R. Vijayakumar, Ph.D.</td>
<td>Basics of Cleanroom Design</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ASHRAE Distinguished Lecturer</td>
<td><strong>Themes:</strong> Past President, Membership Promotion, Donor Recognition, History</td>
<td></td>
</tr>
<tr>
<td>21-Feb</td>
<td>Mike Gavin, REHAU Inc</td>
<td>Snow and Ice Melting Systems (PDH)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Theme:</strong> Refrigeration</td>
<td></td>
</tr>
<tr>
<td>21-Mar</td>
<td>Jason Gilbert, Binghamton University</td>
<td>Binghamton University Tour</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Themes:</strong> Student Night, YEA, History</td>
<td></td>
</tr>
<tr>
<td>18-Apr</td>
<td>Multiple/TBD</td>
<td>Spring Engineering Symposium—Daytime</td>
<td></td>
</tr>
<tr>
<td>16-May</td>
<td>Jason Gilbert, Binghamton University</td>
<td>Binghamton University Tour</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Themes:</strong> Student Night, YEA</td>
<td></td>
</tr>
<tr>
<td>20-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.*
Chapter Membership Promotion

Chris Wolak

As we begin a new chapter year I would like to remind everyone that ASHRAE has two different membership grades: Associate and Member. Full member status is available to all members with 12 years of experience in the industry. This includes any post high school education. For example, if you have eight years’ experience in the industry and hold a bachelor’s degree, you would be available for full member status. If you have the required experience, all you need to do is to upgrade your bio at ASHRAE.org and send me a note once its updated. Since we started the new year, the following associate members have been upgraded to full member status:

Glen Roberts
Petros Papathomopoulos
Joe Parisella
Mike McGinnis
Travis Fisher
Rob VanSkiver

Our chapter roster indicates that we have 25 members over the age of 32 that are associate status, next time you renew your membership please take a few minutes to update your bio.

Chris Wolak
Twin Tiers Membership Chair
Email Me
Young Engineers in ASHRAE (YEA) Message

YEA Events
Devin Shapley & Victoria Kramer

**Water St. Brewing Co. Tour**
Tuesday, December 20, 2016
Following monthly ASHRAE Meeting
Water Street Brewing Co.
168 Water St., Binghamton, NY 13901

Come meet and network with young area professions involved in the HVAC industry. This is a great opportunity to meet fellow ASHRAE members and begin building professional relationships. Get a tour of the newly renovated brewing facility with an overview of equipment and the process used to make some great beer. YEA members get their first drink on us. Although a YEA event, all ASHRAE members are welcome to attend.

Devin Shapley  [Email Me!]
Victoria Kramer  [Email Me!]
Last year we had Two scholarship recipients

Ryan Phillips
- H. O. Ward scholarship 2016
  One Thousand dollars $1,000.00
- Mr and Mrs Dave Stipanuk Supplement 2016
  Three Hundred Seventy Five dollars $375.00

Amanda Breese
- H. O. Ward scholarship 2016
  Five Hundred dollars $500.00
- Mr and Mrs Dave Stipanuk Supplement 2016
  Three Hundred Seventy Five dollars $375.00

We are offering 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, 2017

Head over to our website for the application.
http://twintiers.ashraechapters.org/

Richard Sanguinito
Twin Tiers H.O. Ward Scholarship Committee Chair
Email Me
November Meeting Announcement

November 15, 2016

November Chapter Meeting

Tour/Presentation/Speaker: Ardagh Metals Plant
Mark Casadevall, PE., EHS Specialist
Steven Walker, Production/Engineering Manager

Description: This month we will tour the Ardagh Metals Group Plant in Conklin, a facility that is proactively promoting environmentally friendly and energy efficient technologies. This includes efforts towards maximizing recycling and implementing effective waste management schemes. A zero landfill strategy is adhered to, meaning no waste generated at the facility is disposed into landfills. Instead, the plant engineer arranges for local disposal contractors to collect the waste. As a result of this strategy and other energy and environmental efforts, the plant was awarded the Leadership in Energy and Environmental Design (LEED) certificate by the U.S. Green Building Council.

Presenter: Mark Casadevall, PE., EHS Specialist
Mark is a Project Engineering Manager & EHS Specialist with Ardagh Metals. He is a registered Professional Engineer and hold BS & MS degrees on Mechanical Engineering from Stevens Institute of Technology as well as an MBA degree in Finance from Columbia University. In the past Mark has worked as a Mechanical Engineer for General Motors and as a Senior Project Engineer for Toyota Motors Corporation.
November Meeting Announcement

November 15, 2016

November Chapter Meeting

DATE: Tuesday, November 15th, 2016
TIME: 5:15PM
MEETING LOCATION: Ardagh Group Metals Plant
379 Broome Corporate Parkway
Conklin, New York 13748
SPECIAL EVENT: N/A

SPEAKER/Tour Guide: Mark Casadevall, PE., EHS Specialist
Steven Walker, Production/Engineering Manager

AGENDA:
5:15 – 5:30 – Review plant safety procedures (fill non-disclosure agreement)
5:30 – 6:30 – Plant Tour
6:30 – 7:30 – On-Site Dinner, Presentation, and Brief Chapter Meeting

MENU: Buffet Dinner

REGISTRATION: Register online at http://twintiers.ashraechapters.org/ (Under the “Programs” Tab)
$25.00 Early Registration (By 11/11/2016)
$30.00 (After 11/11/2016)

CONTACT: Petros Papathomopoulos
(Please call, text, or email me at below with any questions or if you get lost)
E: Email Me!
C: (607) 725-6900
Thank you Sponsors!

2016 Business Cards

Horizon Engineering Associates LLP

Scott Lance, EBCP, LEED AP O+M
Senior Project Engineer
315.360.3935
toll free: 877.513.8249
620 Erie Blvd. West, Suite 102
Syracuse, NY 13204
slance@horizon-engineering.com

Richard R. Sanguinito, PE, LEED AP
Vice President
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

Adam Keller
Sales Engineer
315-487-8791
Fax: 315-487-6179
akeller@proairplus.com
822 State Fair Blvd.
Syracuse, NY 13209-1320
www.proairplus.com

Rob VanSkiver
H&V Equipment Sales
P.O. Box 64282
Rochester, NY 14624
(585) 591-8168 Office
(585) 472-6146 Cell
Email: rvan@hvgroup.us
www.hvgroup.us

John A. Bycinca, Jr.
Sr. District Sales Manager
Belimo Americas
37 Tanglewood Dr. West
Orchard Park, NY 14127
Tel: 716-825-5599
Cell: 716-310-0143
john.bycinca@us.belimo.com
www.belimo.com

Your business card could be here:

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

Contact Andrew Nice for more Info!
607-760-5960
anice@meiersupply.com
Only $.50 per Year!
Twin Tiers Chapter – October BOG Meeting Minutes

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

TWIN TIERS CHAPTER (http://www.twinliers.ashraechapters.org/)

Board of Governors Meeting Minutes
Date: Tuesday 10/18/2016 @ 4:00 PM
Location: Owego Treadway, Owego, NY

MEETING MINUTES
The meeting was called to order at: 4:08pm

1. Call to Order and Attendance: Travis Fisher, Petros Papathamopoulos, Andrew Nice, Mike McGinnis, Kyle Nedlik, Chris Wolak, Rick Sanguinito, Adam Keller, Jason Gilbert, Victoria Kramer, Glenn Roberts, Devin Shapley, Chonghui Liu
   a) Attendance:

2. General Announcements – Travis Fisher
   a) Welcome/Introduce our guest YRC Chair Chonghui Liu

3. Treasurer’s Report – Kyle
   • All accounts in good standing.
   • Travis still needs to set up online access.
   • Audit: Lynn Paniccia has filed the e-Postcard and it is approved. Reviewed by Doug Breese. Comments incorporated? Travis contacted Thompkins process underway for online access to scholarships, Jacob needs Feb 16 H.O. Ward statement.
   • Thompkins – Did we find the original paperwork? We need to send a new Corporate Resolution, need to remove Doug if he is on there.
   • Kyle – Needs? Update from Jake?
   • M&T account setup – Distribute CC’s to Mike and Kyle.
   • CRC – Society to issue $800 refund for CRC mix-up, have we seen this come through?
   • Need receipt for 9/20 Wal-Mart expenditure ($15.79) – Soft drinks/cups for today’s meeting?

4. CTTC – Mike/Petros
   a) DL Information –
   b) Monthly Meetings –
      □ Do we have a speaker lined up for November?
      □ MVR tour/presentation at Cornell.
   c) Spring Symposium
      □ Updates on a potential new inviting venue? Received pricing. Will evaluate.
      □ Holiday Inn Binghamton?
      □ Petros and Travis send speaker list to Mike
      □ Kyle to provide budgets
   d) Petros to publish calendar of events.
Twin Tiers Chapter– October BOG Meeting Minutes

5. YEA – Devin/Victoria
   CL discussed leadership weekend scholarship
   a) We need to establish 2 events for the year. Any ideas for the first event? Brewery tour
   b) CL to provide a background on YEA goals and possible ideas for events.

6. Membership Promotion – Chris
   a) Updates? November & March Meetings

7. PAOE Responsibility – Travis Fisher
   a) PAOE duties during the year.

Expectations

<table>
<thead>
<tr>
<th>Membership Promotion</th>
<th>Chris Wolak</th>
<th>355</th>
<th>500</th>
<th>800</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student Activities</td>
<td>Jason Gilbert</td>
<td>100</td>
<td>300</td>
<td>500</td>
</tr>
<tr>
<td>Research Promotion</td>
<td>Glenn Roberts</td>
<td>0</td>
<td>800</td>
<td>1050</td>
</tr>
<tr>
<td>Historical</td>
<td>Rick Sanguinito</td>
<td>50</td>
<td>100</td>
<td>300</td>
</tr>
<tr>
<td>Chapter Operations</td>
<td>Travis Fisher</td>
<td>435</td>
<td>600</td>
<td>1200</td>
</tr>
<tr>
<td>Chapter Technology Transfer</td>
<td>Petros Papathomopoulos</td>
<td>300</td>
<td>450</td>
<td>1050</td>
</tr>
<tr>
<td>Grassroots Government Activities</td>
<td>Petros Papathomopoulos</td>
<td>350</td>
<td>500</td>
<td>650</td>
</tr>
</tbody>
</table>

8. Student Activities
   Had student interest meeting for student chapter. Should be official by Feb. 1st, 2017
   a) Student Scholarships: Jason/Rick
      1. Withdrawal for refund to Chapter in fall after audit - Rick
      2. Did we contact BOCES to reach out to local high schools?
      3. Update on Student Chapter at Cornell.
      4. Who is eligible, what do the applicants need to do, and what is the deadline?
      5. When and who selects the winner(s)?
      6. How do we announce the winners and how do we disperse the scholarship(s)?
      7. Add a scholarship page to the website.
      8. Jason would like to reimburse membership fees for students who are successful chapter officers.
   b) Member Shirts: Andy – Select new design/color for this year.
      • Shirts will be given to members who are attending the CRC & Members with attend ½ of
        the Meetings. Pricing back tomorrow
      • Current free shirt counts: 0
      • Shirt lead time 1 - 2 Weeks

9. New Business

Meeting adjourned at 4:58pm  Motioned: Travis  Second: Rick
History Report - October Meeting Summary

By
Rick Sanguinito Historian 2016-2017

OCTOBER Meeting Summary
Date: October 18, 2016

The October 2016 meeting was a presentation in Advancements in Pumping & Motor Efficiency. The presenter, Stan Kutin, went over recent advancements in pumping and motor efficiency and will help attendees understand proposed pump efficiency regulations, recognize motor efficiency changes, describe ECM technology, identify control area vs control curve and evaluate sensor less pump control.

Stan is an instructor at Bell & Gossett’s Little Red Schoolhouse. He holds a mechanical engineering degree from University of Illinois and is LEED certified. Stan supports and develops a wide variety of training initiatives, including instructor-led seminars conducted at the LRSH, ASHRAE Seminars, Union Apprentice Schools and other field instruction.

He is an attending member of ASHRAE TC 6.1 Hydronic and Steam Systems.
American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

History Report - October Meeting Summary

PHOTO 2 - Speaker Stan Kutin

PHOTO 3 - Members listening to the presentation

PHOTO 4 - Petros Papathomopoulos Presenting Stan with a Certificate of Appreciation for speaking.
Thank you Sponsors!

2016 Business Cards

CHRIS WOLAK
Engineering Specialist

TRAVIS SENOKOSOFF

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

SURE TEMP COMPANY, INC.
HEATING - AIR CONDITIONING - REFRIGERATION

Glenn Miller
gmiller@suretemp.com
www.SureTemp.com
43-47 Lake Avenue
Binghamton, NY 13905
Phone 607-729-6800
Fax 607-729-3483
Toll Free 800-272-6071

Ph (607) 797-1196
Fax (607) 797-1371

Christopher Reid
Vice President

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

Ph (607) 797-1196
Fax (607) 797-1371

Tim Heslin

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

Cell: 484/350-1954

Cell: 518/390-8071
What Were They Thinking???

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.***
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) 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
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!
Thank you Sponsors!

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

2016 Business Cards

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

Andrew Nice
Commercial HVAC Sales Engineer
275 Broome Corporate Pkwy
Conklin, NY 13748
607.760.5960 Cell
www.MeierSupply.com
ANice@MeierSupply.com

2016 Business Cards

Taitem

Evan Hallas
Aerosol Operations Manager
ehallas@taitem.com
Taitem Engineering, PC
110 South Albany Street
Ithaca, New York 14850
607.277.1118 x 103
607.592.0001
www.taitem.com

SOUTHERNTIER CUSTOM FABRICATORS INCORPORATED

Ian Morrell, President
Your Responsible Partner

1322 College Avenue
Elmira, NY 14901
www.STCF.com

Ph: (607) 732-0927
Fax: (607) 734-0433
Cell: (607) 461-0701
e-mail: morrell@STCF.com

STCF

Taitem

Louis W. Vogel, PE
LEED AP, CCP
President
lvogel@taitem.com
Taitem Engineering, PC
110 South Albany Street
Ithaca, New York 14850
607.277.1118 x 126
www.taitem.com

Dominick DeLucia
Project Engineer
ddelucia@taitem.com
Taitem Engineering, PC
110 South Albany Street
Ithaca, New York 14850
607.277.1118 x 120
315.729.5545
www.taitem.com

Taitem

Labela

Architecture | Engineering | Environmental | Planning

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

Page 19
Governor Andrew M. Cuomo today announced that New York State has adopted regulations that will improve air quality and protect public health by limiting emissions from existing diesel generators and natural gas-fired engines. The new regulations, originally proposed in December 2015, specifically target nitrogen oxides and particulate matter emissions from existing equipment and actually go beyond the new standards recently established by the federal government which only apply to new equipment.

"The harmful pollution that emanates from diesel generators is a proven health risk for New Yorkers and it's critical we do all we can to limit exposure to it," Governor Cuomo said. "These new standards not only place New York at the forefront of reducing air pollution, but also further our efforts to encourage the development of renewable energy resources to both combat climate change and grow our economy."

Nitrogen oxide emissions contribute to the formation of ground-level ozone, the principle component of smog. Both ozone and particulate matter can cause adverse health effects, including respiratory problems such as asthma, shortness of breath, coughing, and nasal irritation. This new rule will contribute to lower ozone and particulate matter levels, particularly in crowded urban areas where many diesel generators and natural gas-fired engines are located. This new rule also reduces other toxic pollutants caused by diesel fuel combustion.

The equipment covered under this new regulation include units that provide short-term power to facilities during times of peak electricity demand when ozone levels are often elevated. These sources, which produce more than 150 kilowatts (kW) in the New York City region and in excess of 300 kW in the rest of the state, will be required to meet these new emissions limits unless they are used solely for emergency purposes, such as during blackouts. Existing distributed generation sources that do not meet the revised standards can install control equipment to meet the new emissions limits.
INDUSTRY ARTICLE

Governor Announces New Regulations to Improve Air Quality Governor (Cont.)

The regulations include provisions for compliance date extensions for certain generators owned by municipalities or municipal agencies in order to prevent direct sewage discharge to waterways in the state. This limited extension will provide municipalities with additional time to control the emissions from their generators.

New York State Department of Environmental Conservation Commissioner Basil Seggos said, “These new regulations are bolstering the state’s comprehensive efforts to improve air quality, protect public health, and tackle climate change. This new rule will help reduce fossil fuel use while supporting Governor Cuomo’s commitment to generate 50 percent of New York’s energy from renewable sources while reducing greenhouse gas emissions 40 percent by 2030.”

The proposed rule will complement New York’s Reforming the Energy Vision program, which is intended to transition the state to a more efficient and cleaner distributed electricity grid that will reduce the carbon pollution that causes climate change. It is also important component of the State’s effort to meet the new, stricter ozone National Ambient Air Quality Standard by July 2018, as required under the federal Clean Air Act.

Governor Cuomo today announced the ribbon cutting of the new Sustainable Advanced Manufacturing Center at Alfred State College. The $5 million, 16,000-square-foot facility will help prepare welding and machine tool technology students for in-demand jobs, while learning state-of-the-art sustainable practices in advanced manufacturing. The Center is supported by the $4.5 million SUNY 2020 "Retooling the Southern Tier" project, as well as a grant of up to $500,000 for new equipment and machinery from the Western New York Regional Economic Development Council.

"Alfred State’s new Sustainable Advanced Manufacturing Center will keep the school at the cutting edge of technology and ensure our manufacturers have access to a pipeline of the educated and well-trained employees they need to succeed," said Governor Cuomo. "New York is committed to developing a high tech workforce to help grow the 21st economy and that begins with making these types of investments to bolster the capabilities our higher education institutes."

Located on Alfred State’s School of Applied Technology campus in Wellsville, the Center includes classrooms, a computer lab, a welding booth shop, a welding fabrication shop, material handling and preparation space, a CNC machine shop, and metrology and inspection space. Other uses for the facility include prototyping and assisting manufacturers across western New York in the development of new products and systems.

"Alfred State is at the heart of the hi-tech revolution in this region, and this center is a symbol of what Governor Cuomo is achieving all across the state," said Lieutenant Governor Hochul. "We are positioning a new generation of workers for success in the area of advanced manufacturing even as we promote and develop the new methods necessary to achieve the right balance between growing our economy and preserving our environment."

The SAMC is the first building on the Wellsville campus funded by the State of New York. The Educational Foundation of Alfred, Inc., a private foundation whose mission is to improve the Alfred State community through support of educational programs, owns the property and is leasing the site to SUNY for 30 years.
SUNY Chancellor Nancy L. Zimpher said, "This is one of many historic moments for Alfred State College as it builds on its reputation of truly preparing students for the future job demands in the Western region. My congratulations to President Sullivan and the entire Alfred State College community for realizing their vision for the Sustainable Advanced Manufacturing Center."

Alfred State President Dr. Skip Sullivan said, "It is an exciting time for our students, the community, and the business and industry partners that employ our graduates. I personally appreciate the investment in Alfred State and the investment in the next generation of students who will meet workforce needs in the future. This state-of-the-art facility is a gem that allows our experienced and quality faculty to prepare our students to 'hit the ground running'."

Empire State Development President, CEO & Commissioner Howard Zemsky said, "Aligning education and skills training to the needs of local employers is a must in order to advance our economy and Alfred State’s new SAMC understands the importance of coordinating educational opportunities and workforce needs so that their students will graduate prepared for successful careers in advanced manufacturing."

Western New York Regional Economic Development Council Co-Chair and SolEpoxy President Jeff Belt said, "Alfred State is a leading college of technology in our region and a great partner to the WNYREDC as we strive to prepare our youth for in-demand and growing industry sectors such as advanced manufacturing. SAMC will be a real asset for area manufacturers by providing the education and training for employment opportunities close to home. One of the WNYREDC’s core strategies is preparing our workforce and Alfred State’s new SAMC fits that bill perfectly."

Satish K. Tripathi, Western New York Regional Economic Development Council Co-Chair and University at Buffalo President said, "There is a high demand for advanced manufacturing graduates in our region so Alfred State’s new center will be a benefit for the area manufacturers who are looking to fill positions with talented, career-ready individuals. I am proud that the WNYREDC supported this important project."

Senior Mechanical Engineer – Buildings

Your Opportunity:
Our Buildings Engineering group specializes in the design and development processes unique to buildings. Working closely with our clients, our dedicated professionals help to establish and understand the needs of a range of building projects. This is where great ideas and rewarding careers are built. For both public and private sector clients, we provide unique plan checking capabilities as well as energy engineering and performance engineering services, covering each of the major engineering disciplines—structural, mechanical, and electrical. In addition, we bring together innovative and functional design solutions for companies involved in the discovery, research and development, and commercial scale manufacturing of pharmaceuticals, biotechnology, and medical device products. Focused on providing cost-effective solutions to engineering challenges, we are involved in a diverse range of projects from the initial planning stages to design, construction, and commissioning. Our structure cultivates career growth and provides opportunities as unique as you are.

Your Duties:
- Duties will include but are not limited to preparation of project proposals and resulting contracts, project implementation plans, resource planning, quality control and design review, project team review and coordination, client, and financial management.
- May assist as mechanical engineering lead overseeing the engineering & design of plumbing / fire protection / HVAC and other mechanical systems for new and renovated buildings.
- Mechanical engineering - actual designs including the completion of code reviews, preparation of the basis of design, system calculations, mark-up of drawings, specification preparation, field investigations, construction estimating and site inspections and other such design as required to execute the mechanical construction for new or renovated buildings.
- May perform project manager duties as needed.
- Some travel to site locations or other Stantec offices may be required.

Your Capabilities and Credentials:
The successful candidate will possess:
- Requires a B.Sc. Mechanical Engineer
- NYS PE desired, registration in other states a plus
- 7+ years’ experience required
- Must have strong Mechanical Engineering skills in Plumbing, Fire Protection, HVAC, and related mechanical systems
- Prior management experience is a plus
- Prior consulting engineering experience is required
- Experience using Autocad, Revit, Trane Trace or Equest is a plus
- Excellent verbal and written communication skills
- Excellent interpersonal skills with team members and clients

We put people first, and it shows. We're proud to be one of New York’s Best Places to Work, as named by The Business Council of New York and NYS-SHRM.

Please apply online directly at:
- (Endicott) https://jobs-stantec.icims.com/jobs/25927/senior-mechanical-engineer---buildings/job
MECHANICAL ENGINEER

Corning, NY

Job Number: 179603
Location: Corning, NY

Are you interested in “Life Changing Innovation”? As with Thomas Edison, we have a history of working with the world’s greatest innovators. We solve our customers’ most complex problems that others can’t or won’t. Collaboration, Innovative Spirit and Career Development are just a few of the reasons world class professionals choose Corning Incorporated for a career. We are headquartered in Corning - a vibrant city in Upstate, NY where residents enjoy the benefits of a rich arts and culture scene, one of the world’s fastest-growing wine regions and a family friendly area with affordable homes and quality education.

Corning is the world leader in specialty glass and ceramics, creating and manufacturing keystone components that enable high-technology systems.

Corning’s history is filled with breakthrough technologies that have played an important role in the way the world works. We thrive on solving difficult, commercially relevant problems through an innovative and collaborative research and development process. Corning succeeds through sustained investment in R&D, more than 160 years of materials science and process engineering knowledge, and a distinctive collaborative culture.

Scope of Position:
- Provide HVAC engineering support within the Business Services Division (BSD) Facility Operations Engineering Department at Sullivan Park (SP).
- Assume a primary role of “HVAC Engineer” for the Facilities Operations organization.
- Additionally, support and lead various engineering projects within our organization.
- Participate on and/or lead 6-Sigma DMAIC or DESGN Performance Excellence projects.
- Identify improvement opportunities, justify, and lead implementation of those improvements.
- Complete process documentation as required.

Day to Day Responsibilities:
- Provide HVAC engineering support for maintenance and project support.
- Troubleshoot facility equipment including: Air Handling Units, Make-up Air Units, AC units, Exhaust fans (centrifugal/DEF), return air fans, HW packaged boiler systems and piping distribution, central chilled water system and piping distribution.
- Develop preventative maintenance programs for HVAC systems
- Identify HVAC training needs for Maintenance Group as required.
- Provide energy management/reduction support.
- Audit, revise, create process documentation for HVAC systems
- Provide occasional after hours technical support, ie. On-call or weekend support.
MECHANICAL ENGINEER (Cont.)

CORNING

Travel Requirements: Minimal

Hours of work/work schedule/flex-time:

- Standard 40 hour work week, plus occasional weekend project work and on-call coverage – (1) week per (2) month period.

Education and Experience:

- Min. 4 yr Bachelors of Science Degree
- Min. 4 years HVAC experience in Facilities Operations/HVAC Industry

Qualifications:

- HVAC Equipment experience – must be highly skilled in HVAC system design and operation.
- Perform engineering calculations of building heating/cooling loads, energy profiles, equipment selections, sizing of duct-work/piping distribution systems.
- Working knowledge of Facilities equipment and associated Building Control Management System operation.
- Hands-on troubleshooting experience and excellent troubleshooting skills and ability.
- Must have experience leading significant HVAC projects.
- Good communication and interpersonal skills, capable of working with all payrolls
- Good planning and organizational skills, capable of handling multiple tasks and priorities
- Self-starter, results oriented, requiring minimal supervision
- Basic CAD skills (preferably ACAD)
- Basic MS Office skills (MS Word, Excel, Power Point. MS Outlook w/ scheduling capability)
- Prior experience in either installation, system design, or maintenance of building infrastructure equipment.
- Process Control and Discipline knowledge and application experience, SPC understanding, Data Analysis experience using various statistical tools (ie: SPC XL, DOE Pro, Minitab, other)
- Understanding of quality systems (ie: Performance Excellence 6-Sigma, KT, Manufacturing Excellence, ISO)
- Additional computer skills (VISIO, Access, Tabware, Peoplesoft, ACAD and Revit BIM)
- Experience writing Process documentation (SOP’s, Machine Specs, O&M’s)
- Experience working in a Union environment
- Experience working in a Manufacturing environment.

EOE/AA including Veterans and Disabled.

IF YOU ARE INTERESTED IN THIS OPPORTUNITY, PLEASE FEEL FREE TO CONTACT DAVID WATKINS AT 716-688-6751 OR WATKINSR@CORNING.COM
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, 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
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.

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
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”

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