February Meeting  
February 20, 2018

TOUR:  
Binghamton University Heating Plant

TOUR GUIDES:  
Sandy DeJohn, Martin Curtis, & Jason Gilbert

PRESENTATION:  
Binghamton University Heating Plant

SPEAKERS:  
Sandy DeJohn, Martin Curtis, & Jason Gilbert

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
Dear Twin Tiers Chapter Members,

February is here and this means that we are half way through the 2017-2018 ASHRAE season. February is also the month of National Engineers Week (February 18–24, 2018). National engineer’s week was founded in 1951 by NSPE with the goal of promoting a diverse and well-educated future engineering workforce. It does so by increasing understanding of and interest in engineering and technology careers and by raising public awareness of engineers’ positive contributions to quality of life. For more information you can refer to the DiscoverE website: (http://www.discovere.org/our-programs/engineers-week)

Please take the time to thank the engineer in your life, or if you’re it, just pat yourself on the back for making the world a better place!

Our January meeting found us touring the newly renovated Upson Hall and discussing the challenges and solutions that went into making the project a success. As always, Lanny Joyce, Mark Howe and the rest of Cornell’s staff were wonderful hosts.

February’s meeting and tour will be hosted by another regular contributor, Jason Gilbert, of Binghamton University. Come join us for what is slated to be another great tour, meet BU engineering students that will be attending the event and maybe help tip the scales in their career decision process. Be that positive influence and show them how wonderful it is to be thinking and dreaming HVAC all day long every day of the week.

Sincerely,

-Petros Papathomopoulos
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>MIN/ PAR</th>
<th>Chapter Operations</th>
<th>Chapter Technology Transfer</th>
<th>Electronic Communications</th>
<th>Grassroots Government Activities</th>
<th>Historical</th>
<th>Membership Promotion</th>
<th>Research Promotion</th>
<th>Student Activities</th>
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<tr>
<td>600/1200</td>
<td>450/1050</td>
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<tr>
<td>Current</td>
<td>790</td>
<td>1075</td>
<td>319</td>
<td>700</td>
<td>685</td>
<td>760</td>
<td>570</td>
<td>225</td>
</tr>
</tbody>
</table>

POINTS CURRENT AS OF 2/15/2018

Chapter Committee Chairs

**Technology Transfer**
- Michael McGinnis (607) 727-3168
  - Email Me!

**Government Activities**
- Adam Keller (315) 487-8791
  - Email Me!

**Refrigeration**
- Rob VanSkiver (585) 591-8168
  - Email Me!

**Golf & Clambake Outing**
- Michael McGinnis (607) 727-3168
  - Email Me!

**Membership Promotion**
- Chris Wolak (484) 350-1954
  - Email Me!

**Nominating**
- Andrew Nice
  - Email Me!

**Meeting Reception**
- Devin Shapley (607) 723-4979
  - Email Me!

**H.O. Ward Scholarship**
- Richard Sanguinito (607) 231-6605
  - Email Me!

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

**Student Activities**
- Victoria Kramer (607) 321-6127
  - Email Me!

**Membership Directory**
- Chris Wolak (484) 350-1954
  - Email Me!

**Albern Education Fund**
- Jason Gilbert (607) 777-2240
  - Email Me!

**Honors & Awards**
- Petros Papathomopoulos (607) 723-9421
  - Email Me!

**Historian**
- Richard Sanguinito (607) 231-6605
  - Email Me!

**Symposium– Fall/Spring**
- Kyle Nedlik (607) 321-6100
  - Email Me!

**Auditing**
- Rick Sanguinito & Andrew Nice (607) 231-6605 / 607-760-5960
  - Email Me!

**Webmaster**
- Mike Colwell (570) 706-0690
  - Email Me!

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

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

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

## 2017-2018 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>19-Sep</td>
<td>Adam Keller, Pro Air Plus</td>
<td>Cooling Tower Basics</td>
<td>27</td>
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<tr>
<td></td>
<td>Jerry Meyer Jr., MIS of America</td>
<td>Cooling Tower Shut-down and NSF Legionella Guideline</td>
<td></td>
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<tr>
<td>17-Oct</td>
<td>Multiple/TBD</td>
<td>Fall Engineering Symposium—Daytime</td>
<td>67</td>
</tr>
<tr>
<td>21-Nov</td>
<td>Michael Collins, Eagle Bay Refrigeration</td>
<td>TOUR Cornell University Lynah Ice Rink Refrigerant Update</td>
<td>12</td>
</tr>
<tr>
<td>19-Dec</td>
<td>William P. Bahnfleth, Ph.D., P.E., ASHRAE Distinguished Lecturer</td>
<td>Integrating Indoor Air Quality and Energy Efficiency in Buildings</td>
<td>31</td>
</tr>
<tr>
<td>16-Jan</td>
<td>Lanny Joyce, Mark Howe, Lou Damiani, Pete Meenan, Cornell University</td>
<td>TOUR Upson Hall Cornell University High performance building design - Sibley School of Mechanical and Aerospace Engineering building</td>
<td>?</td>
</tr>
<tr>
<td>20-Feb</td>
<td>Jason Gilbert</td>
<td>TOUR Binghamton University Heating Plant</td>
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<td><strong><strong>NOTE</strong></strong> A SIGNED NDA WILL BE REQUIRED FOR THIS TOUR</td>
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<tr>
<td>17-Apr</td>
<td>Multiple/TBD</td>
<td>Spring Engineering Symposium—Daytime</td>
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<tr>
<td>15-May</td>
<td>Doug Clay, Sack Engineering</td>
<td>TOUR Tompkins Trust Building</td>
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<td>New Tompkins Trust HQ Project – Water Source VRF, DOAS, Cooling Tower, Boilers</td>
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<tr>
<td>19-Jun</td>
<td>None</td>
<td>Golf Tournament</td>
<td></td>
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</tbody>
</table>

*NOTE: Speakers and topics are subject to change based on availability.*
Last year we had Three scholarship recipients
- Doris Wong $1,000 Scholarship
- Melissa Gross $500 Scholarship
- George Pappass $500 Scholarship

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 28, 2018
Thank you Sponsors!

2018 Business Cards

Chris Devins
Sales Engineer

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

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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!
February Meeting Announcement

February 20, 2018

February Chapter Meeting

DATE: Tuesday, February 20th, 2018
TIME: 5:00PM
TOUR LOCATION: Binghamton University Heating Plant
TOUR GUIDES: Sandy DeJohn, Martin Curtis, & Jason Gilbert
MEETING LOCATION: Binghamton University Physical Facilities Building
PRESENTATION: Binghamton University Heating Plant
SPEAKERS: Sandy DeJohn, Martin Curtis, & Jason Gilbert
AGENDA: 5:00 – 5:30 – Arrive at Physical Facilities Building and Presentation
5:15 – 6:15 – Tour of the Central Heating Plant
6:30 – 8:00 – Dinner and Brief Chapter Meeting
MENU: Caesar Salad with Homemade Croutons
Fried Chicken Breast Parmesan
Meatloaf with Spanish Onions
Garlic Mashed Potatoes
Balsamic Herb Roasted Vegetables
Double Chocolate Layer Cake
Dutch Apple Pie
REGISTRATION: Register online at http://twintiers.ashraechapters.org/ (Under the “Programs” Tab)
$25.00 Early Registration (By 2/16/2018)
$30.00 (After 2/16/2018)
CONTACT: Mike McGinnis
(Please call, text, or email me at below with any questions or if you get lost)
E: Email Me!
C: 607-727-3168
Twin Tiers Chapter - January BOG Meeting Minutes

Board of Governors Meeting
Date: January 16, 2018
Location: Cornell University,
Ithaca, NY

http://twintiers.ashraechapters.org

Agenda

Meeting was called to order at 4:08 pm

- Call to Order and Attendance: Kyle N., Rob V., Travis R., Chris W., Jason G., Devin S., Petros P., Adam K.

- General Announcements: Most of the PAOE point goals met

- Treasurer’s Report (Devin Shapley):
  - All accounts are in good standing.

- CTTC (Mike McGinnis / Kyle Nedlik)
  - Spring Symposium (Kyle):
    - Speaker solicitations – ECM pump motors, 3 DLs secured, Maybe a balancer?
    - Table sponsorships – Price Point?
    - Marketing opportunities

- Monthly Meetings (Mike): February Meeting location/theme
  - BU Heating Plant
  - Dust Collection System
  - Meet in facilities or bear cat?
  - YEA ASHRAE Jeopardy
  - March – Wegmans, not Corning
  - Need Door Prizes for Golf Tourney

- YEA (Devin Shapley/Victoria Kramer): Update on YEA event for March?

- Membership Promotion (Chris Wolak):

- GGAC (Adam Keller):
  - Day on the Hill to be in May or June

- Student Activities (Jason Gilbert): Meeting w/BCC update
  - BCC – Go under BU chapter if there aren’t enough students for separate BCC chapter

- Research Promotion (Glenn Roberts):
  - $1,300?
American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

Twin Tiers Chapter - January BOG Meeting Minutes

Board of Governors Meeting
Date: January 16, 2018
Location: Cornell University, Ithaca, NY

- PAOE (Petros Papathomopoulos): Reminder to chairs that they can update PAOE points.

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>PAR</th>
<th>MIN</th>
<th>PTS</th>
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</thead>
<tbody>
<tr>
<td>Chapter Operations*</td>
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<td>600</td>
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<tr>
<td>Chapter Technology Transfer*</td>
<td>1050</td>
<td>450</td>
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<tr>
<td>Electronic Communications</td>
<td>500</td>
<td>250</td>
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<tr>
<td>Grassroots Government Advocacy*</td>
<td>650</td>
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<td>700</td>
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<tr>
<td>Historical Criteria</td>
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<td>Membership Promotion*</td>
<td>800</td>
<td>500</td>
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<tr>
<td>RP*</td>
<td>1050</td>
<td>800</td>
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</tr>
<tr>
<td>Student Activities*</td>
<td>500</td>
<td>300</td>
<td>225</td>
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</tbody>
</table>

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

- New Business
  - (CO39 & CO40 Chapter sponsored community sustainability project and publicity.
    - Habitat for Humanity
    - OR
    - Construction of the Southern Tier: 100% of the food and financial proceeds will support the Food Bank of the Southern Tier & CHOW’s work to end hunger.
  
  ***Motion to participate in Canstuction by Chris Wolak, Second – Petros

- Old Business
  - Mail $1,300 check for RP (status?)
What is Canstruction®
The Broome Leadership Institute (BLI) Alumni Association Board will host the fourth annual Canstruction of the Southern Tier event in Broome County from April 8 – 15th, 2018 at the Oakdale Mall in Johnson City.

Canstruction® is an international hunger-relief competition where teams, often architects, engineers and contractors, compete to design and build giant structures made entirely out of full cans of food.

At the close of the competition, all of the food from Canstruction of the Southern Tier will be donated to CHOW and distributed to hunger-relief agencies in Broome County to help feed neighbors in need.

How Will Canstruction of the Southern Tier Benefit Broome County?
All of the proceeds from Canstruction of the Southern Tier will help support hunger-relief activities in Broome County. The donated food will be distributed through CHOW to hunger-relief agencies in Broome County including food pantries, soup kitchens, and community meal programs. The funds raised will be earmarked for hunger-relief activities in Broome County.

Working in Partnership to Meet the Need
CHOW and the Food Bank of the Southern Tier work in partnership to leverage national, regional, and local resources to end hunger in Broome County. As a member of Feeding America, the nation’s food bank network, the Food Bank has the ability to acquire food from across the U.S. CHOW operates as its own entity, receiving food from the Food Bank and relying on food and monetary donations from local residents, organizations and companies.
<table>
<thead>
<tr>
<th>Sponsorship Benefits &amp; Recognition</th>
<th>Gold Sponsor</th>
<th>Silver Sponsor</th>
<th>Supporting Sponsor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sponsor Logo on Event Signage Displayed in 3 locations at Oakdale Mall, Johnson City ($450 value)</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sponsor Name Listed on Event Signage Displayed in 3 locations at Oakdale Mall, Johnson City ($450 value)</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Sponsor Logo and Link on Food Bank and CHOW websites (over 60,000 visitors)</td>
<td>X</td>
<td></td>
<td></td>
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<tr>
<td>Sponsor Name Listed on Food Bank and CHOW websites (over 60,000 visitors)</td>
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<td>X</td>
<td>X</td>
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<tr>
<td>Sponsor Name Posted on Food Bank and CHOW Facebook Pages &amp; Twitter (over 5,300 followers)</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Sponsor Name included in Press Release Communications to Media</td>
<td>X</td>
<td>X</td>
<td></td>
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<tr>
<td>Opportunity to Distribute or Display Sponsor Information at Awards Reception, Hosted at the Oakdale Mall for Event Participants, Sponsors, and Media</td>
<td>X</td>
<td>X</td>
<td></td>
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<tr>
<td>Opportunity to Participate in Construction next year with a team (entry fee waived, $100 value)</td>
<td>X</td>
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<tr>
<td>Invitation to Attend Awards Reception &amp; Recognition</td>
<td>X</td>
<td>X</td>
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</table>

Sponsor Agreement and Payment due March 16th

Additional Sponsorship Benefits Include
- Establish Your Business as a Community Leader in the Fight Against Hunger.
- Inspire Other Businesses to Join You.
- Make a Difference in the Communities You Serve: 100% of Construction Donations will go towards hunger relief efforts in Broome County!
- Organization listed in Chamber Newsletter ad following the event.
Sponsorship Opportunities

Please check which level of Sponsorship you wish to contribute:

☐ Gold Sponsor: $2,500
☐ Silver Sponsor: $1,000
☐ Supporting Sponsor: $500
☐ Other Donation $_______

*All donations are tax deductible. A donation acknowledgement will be sent to you.

Sponsor:__________________________________________
Address:__________________________________________
City, State, Zip:____________________________________
Contact:___________________________________________
Phone:_________________________ Email:________________

Signature: ___________________________ Date: _______________

Please Make Checks Payable To: Food Bank of the Southern Tier
Mail To: Food Bank of the Southern Tier
        attn: Katherine Strawser
        386 Upper Oakwood Avenue
        Elmira, NY 14903

For More Information: visit www.foodbankst.org/construction or contact Construction Chair Kyle Nedlik via email BLI.construction@gmail.com Sponsorship Agreement and Payment due: March 16th
Thank you Sponsors!

2018 Business Cards

STCF
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

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AEROSEAL

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Aerosol Operations Manager
ehallas@taitem.com
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www.taitem.com

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v 607.277.1118 x120
c 315.729.5545
www.taitem.com

Ryan Byrd
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Team Leader

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rjbyrd@trane.com
www.trane.com

Shey Doane
Sales Engineer

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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
What Were They Thinking???

Just another beautiful install!

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
New York State Professional Engineers
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www.ronblank.com

The above websites offer free online courses that are approved for credit!
Get in-depth training for real-world HVAC&R challenges from ASHRAE in conjunction with the 2018 Canadian Mechanical & Plumbing Exposition (CMPX) in Toronto. ASHRAE will present two courses on ASHRAE Standard 90.1 including the new Save 35% while Complying with ASHRAE Standard 90.1-2013 course to practicing professionals in the HVAC&R industry.

The courses are structured to help participants achieve defined learning objectives, and each attendee receives a course workbook and an ASHRAE certificate of attendance. Courses will be held at the Metro Toronto Convention Centre in Toronto.

Wednesday, March 21, 2018
NEW! Save 35% while Complying with ASHRAE Standard 90.1-2013
Time: 9:00am – 12:00pm
Cost: $184 USD / $234 CAD ($139 USD / $177 CAD ASHRAE Member)
Course Summary: The 2013 version of ASHRAE Standard 90.1 is widely used by many state and government entities. Learn the background and development of ASHRAE Standard 90.1, its requirements and compliance paths, and how to understand and apply the requirements. Key updates for each of the major building systems will be discussed. This includes the HVAC system, lighting system, building envelope, service water heating, and power. You will learn key mandatory and prescriptive requirements applicable to each system, as well as whole-building compliance options. Case studies and in-class exercises are included as appendices to the classroom presentation. Read More
Instructors: McHenry Wallace, P.E., Member ASHRAE, LEED® AP
Joseph Deringer, AIA, Member ASHRAE, LEED® AP

Thursday, March 22, 2018
Save Over 40% Using Appendix G of ASHRAE Standard 90.1-2016
Time: 9:00am – 12:00pm
Cost: $184 USD / $234 CAD ($139 USD / $177 CAD ASHRAE Member)
Course Summary: Learn how to use the innovative new performance rating method in Appendix G of ASHRAE Standard 90.1-2016. Learn to apply the new rules and procedures via whole-building energy simulations to demonstrate that a building has much better energy performance than a building that just meets the requirements of ASHRAE Standard 90.1-2016. See how Appendix G-2016 can be used to show compliance with ASHRAE Standard 90.1-2016; this is the first time Appendix G has been usable in this manner. Read More
Instructors: McHenry Wallace, P.E., Member ASHRAE, LEED® AP
Joseph Deringer, AIA, Member ASHRAE, LEED® AP
TRAINING

FEBRUARY 18-24, 2018

2018 ENGINEERS WEEK BANQUET

Tuesday, February 20, 2018

LOCATION: Holiday Inn Arena, 2 Hawley Street, Binghamton, NY

TIME: 5:30 – 6:30 PM Cash Bar & Poster Presentations

6:30 – 7:30 PM Dinner

7:30 PM Engineer of the Year Award, Scholarships and Speaker

POSTER PRESENTATION/CELEBRATION: Your Chance to Participate. Each Individual or Company is invited to bring a poster and an easel to “show-off” a completed project that was successful. We will place them in the room for viewing during our arrival time.

AWARDS: SUNY Broome, Tompkins Cortland Community College, and Binghamton University NYSSPE Scholarship Recipients Recognition

SUBJECT & SPEAKER: Joshua Bernard and Tice Lerner from LUMA Projection Arts Festival will talk about projecting precision images on buildings.

<table>
<thead>
<tr>
<th>NAME</th>
<th>AFFILIATION/COMPANY</th>
<th>EMAIL FOR CONTACT</th>
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<tbody>
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</table>

Number of Persons for:

1) _______ Prime Rib of Beef _______ @ $40.00* each = $_________. *Students reduce
2) _______ Grilled Salmon _______ @ $40.00* each = $_________. Dinner prices by $15.00
3) _______ Chicken Piccata _______ @ $35.00* each = $_________.
4) _______ Pasta a la Vodka _______ @ $35.00* each = $_________.

Make Checks payable to Broome Chapter NYSSPE. Mail to: Engineers Week Dinner, c/o Wonjune Hong, 416 Jodie Dr., Vestal, NY 13850. If you need information, you may email Wonjune.hong@lmco.com. Sorry no refunds after February 16.
Governor Cuomo Announces Launch of RetrofitNY to Bring Multifamily Affordable Housing Units to or Near Net-Zero Energy Consumption

By Press Office of NYS Governor  Feb. 6, 2017

Governor Andrew M. Cuomo today launched RetrofitNY, a first-of-its-kind program in the U.S. that is intended to create standardized, scalable energy-efficient retrofit solutions that can be replicated throughout the entire housing industry. The program will further the State's greenhouse gas emission reductions and climate goals by renovating multifamily affordable housing properties to dramatically improve their energy performance. RetrofitNY will help support the Governor’s goal to reduce greenhouse gas emissions 40 percent by 2030.

"In every corner of New York, we have made significant progress in reducing emissions and investing in clean energy," Governor Cuomo said. "With RetrofitNY, we are furthering our efforts to protect the environment, build stronger more sustainable housing, and create healthier, greener communities all across this great state."

Under RetrofitNY, a $30 million program funded over 10 years and made available through the State’s Clean Energy Fund, the state is working aggressively to bring a substantial portion of New York’s affordable housing units to or near net-zero energy over the next decade. Net-zero energy buildings consume no more energy, on an annual basis, than they produce onsite through renewable energy technologies like solar panels or other distributed energy resources. These retrofit solutions will also serve as an important tool to help preserve a large number of affordable housing units throughout the State, and improve their residents’ health, comfort and quality of life.

Richard Kauffman, Chairman of Energy and Finance for New York State, said, "Reducing greenhouse gas emissions from New York’s building stock will require scaling up clean energy technologies that could then be used in a greater number of buildings throughout the State. RetrofitNY is an exciting way to engage the private sector to help develop these innovative projects in a cost-effective manner."

The New York State Energy Research and Development Authority has issued a Request for Proposals seeking experienced design/construction teams to develop very high performance retrofit solutions for up to six multifamily affordable housing buildings across the State. Design solutions will be required to exclude the use of fossil fuels onsite, demonstrate they are cost-effective, be standardized, scalable and aesthetically pleasing.
INDUSTRY ARTICLE

Governor Cuomo Announces Launch of RetrofitNY to Bring Multifamily Affordable Housing Units to or Near Net-Zero Energy Consumption (Cont.)

This RFP is the first step in a process that NYSERDA anticipates will stimulate a new industry capable of delivering net zero retrofits to residential building stock at scale. The retrofit solutions developed through this initiative will serve as a national model for cost-effective and highly energy-efficient multifamily housing renovations.

As part of the RFP, NYSERDA will establish separate scoring committees to qualify solution-provider teams to design high-performance retrofit solutions, and to qualify buildings to serve as models for those prototype retrofit designs. Six awards of $75,000 will be given to qualified solution-provider teams to design net-zero (or near net-zero) energy retrofits for six selected prototype buildings.

Alicia Barton, NYSERDA President and CEO said, "RetrofitNY can lead to innovations that can be adopted widely and will be essential in meeting Governor Cuomo's ambitious clean energy goals. Net-zero energy buildings for affordable housing are a win-win not only our most vulnerable population but also for the environment."

To be qualified, buildings must be affordable housing multifamily buildings no taller than seven stories for which a substantial rehabilitation or comparable work is already being planned within the next 12-24 months. Buildings for which a retrofit design is completed may also be eligible for project funding through a separate solicitation NYSERDA plans to issue later this year for the construction and implementation of the prototype retrofits.

Solution-provider teams qualified through this RFP will also be eligible to respond to a separate RFP expected to be issued in Spring of 2018 by the New York City Housing Authority to address one or more NYCHA-owned buildings as part of RetrofitNY.

Assemblymember Steven Cymbrowitz, Assembly Chair, Committee on Housing, said, "RetrofitNY is a win-win initiative that will create much-needed affordable housing opportunities, cut energy costs, and reduce the state’s greenhouse gas emissions. It is a highly replicable model that has the potential to benefit families across the nation and I am pleased that New York is taking the lead in implementing it."

RetrofitNY is based on a successful European program, Energiesprong, which has brought over 2,000 units of affordable housing to net-zero energy with 20,000 more units in the pipeline. The program was launched in the Netherlands in 2013 and is now being implemented in France, the United Kingdom, and Germany. New York is the first jurisdiction in North America to launch an initiative modeled after Energiesprong’s innovative and comprehensive market-based approach.

For more information, please visit the NYSERDA website.

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- Provides consultation to professional co-workers. Mentors junior level department designers.
- Review and respond to team member on project design work, RFIs, submittals, and other construction related documents and issues in a professional and timely manner
- Monitor and control project progress against scope, schedule, and budget
- Attend client meetings and assist in marketing efforts

Requirements:

- Bachelor’s degree in Mechanical Engineering, Mechanical Engineering Technology, or similar field with 15 years of experience designing building mechanical (HVAC) systems.
- Experience with design of mechanical (HVAC) systems for educational and federal facilities is desired.
- Licensed Professional Engineer (PE) in New York State, with ability to be licensed in other states as requested.
- Proficient in AutoCAD and Revit/BIM with working knowledge of MS Office.
- Proficiency with building energy modeling concepts and software preferred.
- Knowledge of applicable codes and standards.
- Possesses and applies a broad knowledge of principles, practices and procedures to the completion of difficult assignments.
- Knowledge of and demonstrated interest in energy efficient solutions and designs, and in LEED strategies and designs.

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- Some travel to site locations or other Stantec offices may be required.

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