



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

**Special points of interest:**

- President Message
- Twin Tier News
- Monthly Meetings
- Society News
- Scholarships
- Business Card Advertisements
- Employment

## ASHRAE 2016-2017



Shaping Tomorrow's  
Built Environment Today

### May Meeting

May 16, 2017

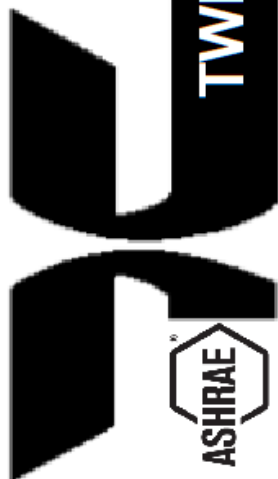
### Presentation:

Snow and Ice Melting Design Process  
and Control Options

### Speaker:

Mike Gavin, REHAU

TWIN TIERS TALK



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:

President's Corner	2
PAOE	3
Chapter Events Calendar	4
Meeting Announcement	9
Golf Announcement	12
Training Events	15
Local Industry Articles	19
Employment Opportunities	23

**Corner**

President's

Dear Twin Tiers,

I hope everyone enjoyed the new venue for the 2017 Twin Tiers Spring symposium. We did increase our attendance from last year which is always a success! Thanks to all who participated, attended, and helped to put the event together.

If you were unable to attend, I heard our recent YEA event/ sheet metal shop tour was also a success. It is great to see our younger Engineers and local talent showing interest in not only the design but actual construction of duct systems and accessories.

Hopefully everyone is dusting the golf clubs off and preparing for our annual golf and clambake next month. I am excited to see what the new venue has in store for us.

This month we are at the Hotel Ithaca and hosting a return speaker, Mike Gavin with REHAU. Mike has great experience with snow and ice melt systems. Interested to learn more about design and control of these systems. As a bonus this meeting is offering a continuing education credit.

Hope to see you all next week,

-Travis Fisher  
Twin Tiers Chapter President

**Chapter President**



Travis R. Fisher  
(607) 255-5608

[Email Me!](#)

**2016-2017  
Chapter Officers**

**President-Elect**

Petros Papathomopoulos  
(607) 723-9421

[Email Me!](#)



**Vice President**

Michael McGinnis  
(607) 727-3168

[Email Me!](#)



**Treasurer**

Kyle Nedlik  
(607) 321-6100

[Email Me!](#)



**Secretary**

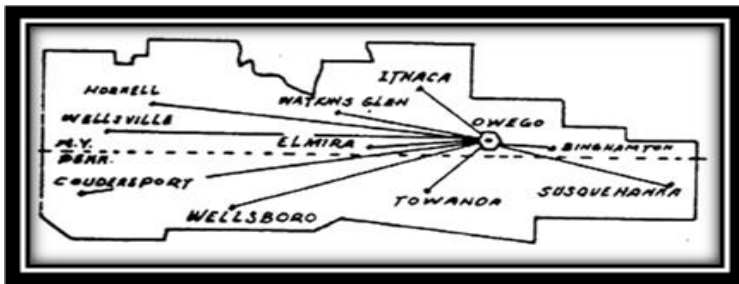
Devin Shapley  
(607) 723-9421

[Email Me!](#)



**Newsletter Disclaimer Statement**

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



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

## Twin Tiers Chapter

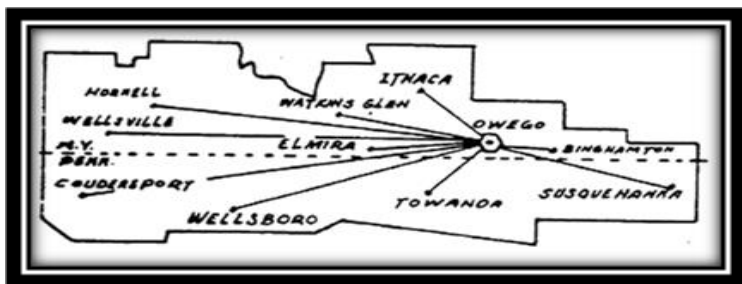
### Presidential Award of Excellence (PAOE)

	Chapter Operations	Chapter Technology Transfer	Grassroots Government Activities	Historical	Membership Promotion	Research Promotion	Student Activities
MIN/PAR	600/1200	450/1050	500/650	100/300	500/800	800/1050	300/500
Current	945	1175	650	430	1455	890	920

POINTS CURRENT AS OF 5/2/2017

### Chapter Committee Chairs

<b>Technology Transfer</b> Petros Papathomopoulos (607) 723-9421 <a href="#">Email Me!</a>	<b>Government Activities</b> Doug Breese (585)402-7090 <a href="#">Email Me!</a>	<b>Refrigeration</b> Rob VanSkiver (585) 591-8168 <a href="#">Email Me!</a>	<b>Golf &amp; Clambake Outing</b> Michael McGinnis (607)727-3168 <a href="#">Email Me!</a>
<b>Membership Promotion</b> Chris Wolak (484) 350-1954 <a href="#">Email Me!</a>	<b>Nominating</b> Andrew Nice 607-760-5960 <a href="#">Email Me!</a>	<b>Meeting Reception</b> Kyle Nedlik (607) 321-6100 <a href="#">Email Me!</a>	<b>H.O. Ward Scholarship</b> Jason Gilbert (607) 777-2240 <a href="#">Email Me!</a>
<b>Research Promotion</b> Glenn Roberts (315)234-1527 <a href="#">Email Me!</a>	<b>Student Activities</b> Jason Gilbert (607) 777-2240 <a href="#">Email Me!</a>	<b>Membership Directory</b> Chris Wolak (484) 350-1954 <a href="#">Email Me!</a>	<b>Albern Education Fund</b> Richard Sanguinito (607) 231-6605 <a href="#">Email Me!</a>
<b>Honors &amp; Awards</b> Doug Breese (585)402-7090 <a href="#">Email Me!</a>	<b>Historian</b> Richard Sanguinito (607) 231-6605 <a href="#">Email Me!</a>	<b>Symposium– Fall/Spring</b> Petros Papathomopoulos (607) 723-9421 <a href="#">Email Me!</a>	<b>Auditing</b> Rick Sanguinito & Jason Gilbert (607) 231-6605 <a href="#">Email Me!</a>
<b>Webmaster</b> Mike Colwell (570) 706-0690 <a href="#">Email Me!</a>	<b>Newsletter Editor</b> Andrew Nice 607-760-5960 <a href="#">Email Me!</a>	<b>YEA: Young Engineers</b> Devin Shapley (607)723-4979 <a href="#">Email Me!</a>	<b>Publicity</b> Andrew Nice 607-760-5960 <a href="#">Email Me!</a>



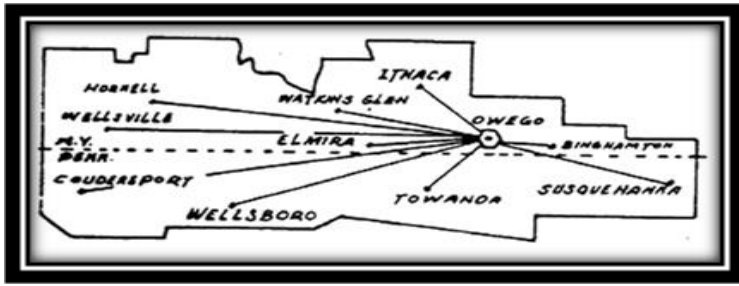
American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

## Twin Tiers Chapter– Monthly Meeting Information

### *2016-2017 Meeting Dates:*

Date:	Speaker	Tech Session Topic, Tour or Meeting Info	Attendance:
20-Sep	Andy Nice, Meier Supply Co.	VRF Training Center Tour and Properly Specifying VRF Presentation	21
18-Oct	Stan Kutin, Bell & Gossett	Advancements in Pumping & Motor Efficiency	23
15-Nov	Mark Casadevall, Ardagh Group Steven Walker, Ardagh Group	Tour of Ardagh Group LEED Canning Facility	23
20-Dec	Theodore Firnstein, Siemens	Green Lab Solutions (PDH) Theme: RP Night	20
17-Jan	R. Vijayakumar, Ph.D. ASHRAE Distinguished Lecturer	Basics of Cleanroom Design Themes: Past President, Membership Promotion, History	44
21-Feb	Michael McGinnis, P.E., Monika Furch, R.A., David Lewis, P.E.	Tour: Smart Energy Building & Center of Excellence Topic: Lithium Battery Research Facility Theme: Student Night	48
21-Mar	Michael Eckhardt, P.E. Christopher Kopec, P.E. Michael Collins	Geothermal Radiant Heating for Airfield Pavement HVAC Energy Savings—Optimized Compressors and Adiabatic Cooling Themes: Student Night, YEA, History	39
18-Apr	Multiple/TBD	Spring Engineering Symposium—Daytime	71
16-May	Mike Gavin, REHAU Inc.	Snow and Ice Melting Systems (PDH)	
20-Jun	None	Golf Tournament	

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



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

## Twin Tiers ASHRAE H.O. Ward Scholarship



By  
Rick Sanguinito H. O. Ward scholarship Chair 2016-2017

### H. O. WARD SCHOLARSHIP

Date: May 3, 2017

Congratulations to the H.O. Ward Scholarship this year. The Twin Tiers Chapter of ASHRAE has issued the following scholarships during the lunch meeting at the April Symposium.

Doris Wong	\$1,000 Scholarship
Melissa Gross	\$500 Scholarship
George Pappass	\$500Scholarship

We look forward to next year's applications!!

I want to thank all who were involved in evaluating the scholarship applications and providing input in selecting this year's recipients.

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



**Thank you  
Sponsors!**

## 2017 Business Cards

### MEIER SUPPLY CO., INC.

Refrigeration, Air Conditioning & Heating



**Andrew Nice**

Commercial HVAC Sales Engineer 275 Broome Corporate Pkwy  
Applied Products Division Conklin, NY 13748

607.760.5960 Cell

www.MeierSupply.com



ANice@MeierSupply.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



**H & V GROUP**

*"Providing Integrated Efficient Solutions"*

*Manufacturers' Representatives*

**Rob VanSkiver**

H&V Equipment Sales

P.O. Box 64582

Rochester, NY 14624

(585) 591-8168 Office

(585) 472-6146 Cell

Email: rvanskiver@hvgroup.us

Air Distribution

Mechanical Equipment

HVAC Warehouse

www.hvgroup.us

Ph (607) 797-1196

Fax (607) 797-1371



Cell (607) 422-0494

creid@bhvfab.com

**Christopher Reid**  
Vice President

**BHV Sheet Metal Fabricators, Inc.**

505-507 Prentice Road - Vestal, NY 13850



**TECHNOLOGY PLUS**

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

**BRIAN SEXTON**

EMAIL: BRIAN@TECHPLUSLLC.COM

OFFICE 607-882-9537

FAX 607-882-9539

CELL 518-320-2733

**BOILERS • HYDRONICS • STEAM SPECIALTIES**

**PETCOSKY & SONS  
PLUMBING AND  
HEATING INC.**

**607-797-0160**

**Fax:**

**770-4482**

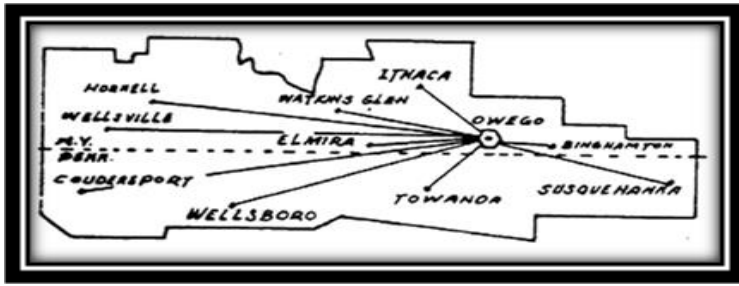
Commercial  
and Residential  
Free Estimates

24 Hour Emergency Service

**Michael Petcosky**

mpetcosky@petcosky-sons.com

Commerce Road, Vestal, NY 13850



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

## History Report - April Meeting Summary



By  
Rick Sanguinito Historian 2016-2017

## April Spring Symposium Meeting Summary

Date: April 18, 2017

The April 2017 meeting was held during the lunch session at the Spring Symposium. Each presentation qualified for 1.5 Professional Development Hours. All of the speakers were interesting and very informative in the topics they discussed.

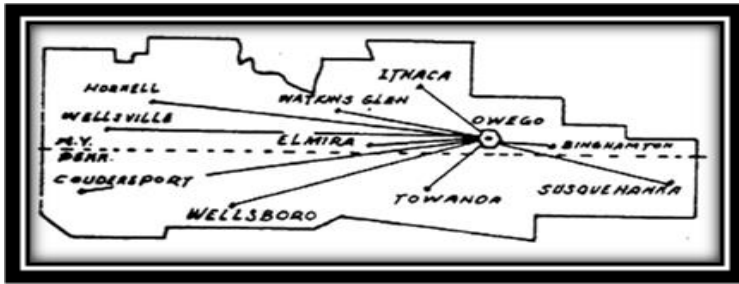
This year's symposium consisted of the following topics and speakers

1. Penthouse Mechanical Rooms, Why are They Seismically a Challenge?
  - James Tauby, Mason Industries
2. How to Cool a Computer Room Efficiently
  - David Smith, Vertiv
3. Reducing AHU Energy through Optimized Fan Array Operation
  - Peter Fung, Climate Craft
4. Open Protocols for BAS Controls
  - Theodore Firnstein, Siemens Industry
5. A Discussion of Engineering Ethics Using Case Studies
  - Robin Kemper, Zurich Services Corp.
6. VRF & Hydronic Systems: A Strategic Comparison
  - Kyle DelPiano, Bell & Gossett
7. Top 10 Things you REALLY Need to Know...Energy Code
  - Michael DeWein, Leidos Engineering
8. Laboratory Design Fundamentals
  - Don MacDonald, Phoenix Controls
9. VRF Overview and Water Source Systems
  - Derrick Day, Mitsubishi

The H.O. Ward Scholarship recipients received their award during lunch.

Twin Tiers ASHARE would like to thank those who attend this meeting. If you were unavailable for this meeting, please consider join us for the May meeting. The people who attend the symposium included the following:

David Smith (Speaker), Derrick Day (Speaker), Don MacDonald (Speaker), Doris Wong (Scholarship Recipient), George Pappas (Scholarship Recipient), James Tauby (Speaker), Kyle DelPiano (Speaker), Melissa Gross (Scholarship Recipient), Michael DeWein (Speaker), Peter Fung (Speaker), Robin Kemper (Speaker), Theodore Firnstein (Speaker), Al Tocheny, Anthony Paniccia, Austin Demberg, Chad Kemak, Christopher Wolak, Chuck Paffie, Dan Brosnan, Stephen Miller, Daniel Collins, Daniel Harter, Daniel Igo, Dave Lewis, David ODonnel, Dillon Fairhead, Don Harris, Emily Ormsby, Eric LePore, Evan Engler, George Slavik, Howard Cabezas, Jason Gilbert, Jason Williams, Jocelyn Whittemore, Jody Stanley, John Roberts, Joseph Guzek, Joseph Parisella, Joseph Webster, Keith Olmert, Kevin Bower, Colleen Bower, Kevin McKeon, Kyle Nedlik, Mark Jones, Matthew Lloyd, Matthew Williams, Mehdi Rahimi, Michael Collins, Michael Kleinshmidt, Jenny Kleinschmidt, Mike Heikkila, Mike Kowal, Mike McGinnis, Pat Shane, Paul Deeley, Richard Burman, Rick Allabaugh, Rick Sanguinito, Ryan Kazmark, Stephen Krisko, Thomas Jastran, Timothy Envid, Todd Farr, Victoria Kramer, Wade Olin, William Fletcher, Charlie Wilson, Travis Fisher, Gary Hilton, Alex Merry, D. Michael Platt



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

## History Report - April Meeting Summary

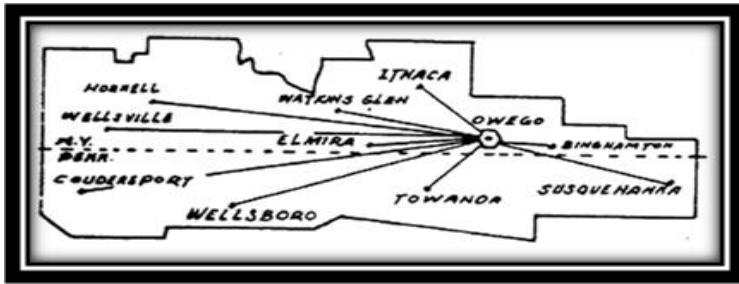


PHOTO 1 - James R. Tauby, P.E. – ASHRAE Distinguished Lecturer – Seismic in Penthouse presentation.

PHOTO 2 - Michael DeWein, Leidos Engineering – Energy Code Presentation



PHOTO 3 - Mike McGinnis, 2017 Symposium Organizer



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

## History Report - April Meeting Summary

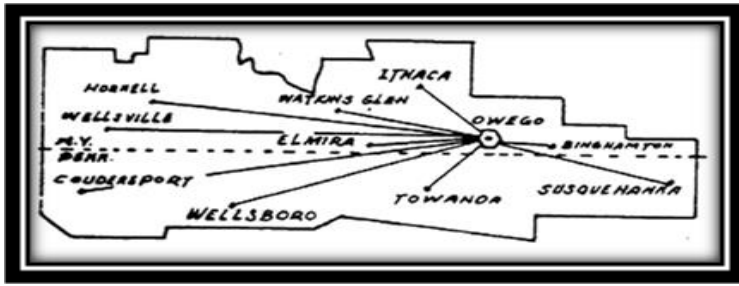


PHOTO 4 - Lunch Ethics Presentation by Robin Kemper, Zurich Services Corp.

PHOTO 5 - Don MacDonald, Phoenix Control, Laboratory Design Fundamentals Presentation



PHOTO 6 - Theodore Firnstein, Siemens Industry, Open Protocols for BAS Controls Presentation



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

## May Meeting Announcement

# May 16, 2017

## May Chapter Meeting

### Presentation Topic:

### Snow and Ice Melting Design Process and Control Options

### Description:

May's presentation will provide attendees with a fundamental understanding of the snow and ice melting (SIM) design process and the types of control systems that are used. Attendees will be able to understand SIM benefits and applications, specify SIM piping system core components, utilize the 7-step SIM design process, select appropriate control strategy and estimate annual operating costs.

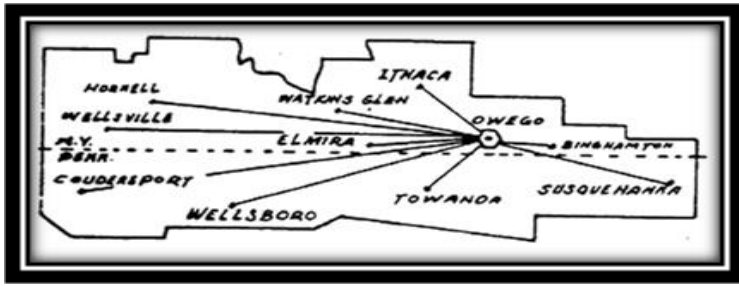
The presentation is approved for 1 continuing education hour.

### Presenter:

Mike Gavin, REHAU

Mike has more than 30 years experience in the construction industry, including 16 years as a general contractor specializing in residential and light commercial renovations and new construction. Before joining REHAU, he was a corporate trainer and station trainer for Northwest Airlines for 10 years, where he trained employees on OSHA, FAA standards as well as deicing methods and company standards, in general.

As a Systems Engineering Specialist for REHAU, Mike conducts classes on geothermal, radiant heating and cooling design and installation, snow and ice melt design and installation and design software. He is an RPA Certified Radiant Designer and Installer, and IGSHPA Certified Vertical Loop Installer. He has conducted over 200 classes over his five years in this role, and is a REHAU registered AIA content provider.



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

## May Meeting Announcement

# May 16, 2017

## May Chapter Meeting

**DATE:** Tuesday, May 16th, 2017

**TIME:** 5:00PM

**MEETING** Hotel Ithaca

**LOCATION:** 222 South Cayuga Street  
Ithaca, NY

**SPECIAL EVENT:** N/A

**SPEAKERS:** Mike Gavin, REHAU

**AGENDA:** 5:00 – 5:30 – Registration / Social Time  
5:30 – 6:00 – Brief Chapter Meeting and Dinner  
6:00 – 7:00 – Presentation

**MENU:** Buffet Dinner

**REGISTRATION:** Register online at <http://twintiers.ashraechapters.org/> (Under the "Programs" Tab)  
\$25.00 Early Registration (By 5/12/2017)  
\$30.00 (After 5/12/2017)

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

E: [Email Me!](mailto:Email Me!)

C: (607) 725-6900

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



**Thank you  
Sponsors!**

## 2017 Business Cards

**STCF**  
SOUTHERNTIER CUSTOM FABRICATORS  
INCORPORATED

Ian Morrell, President  
*Your Responsible Partner*

1322 College Avenue  
Elmira, NY 14901  
[www.STCF.com](http://www.STCF.com)

Ph: (607) 732-0927  
Fax: (607) 734-0433  
Cell: (607) 481-0701  
e-mail: [morrelli@STCF.com](mailto:morrelli@STCF.com)



Horizon Engineering  
Associates LLP

*Demand a Higher Standard<sup>SM</sup>*

Scott Lance, EBCP, LEED AP O+M  
Engineering Manager

t 315.350.3935  
f 315.474.0751  
c 607.206.9562  
toll free 877.513.6249

620 Erie Blvd. West, Suite 107  
Syracuse, NY 13204  
[slance@horizon-engineering.com](mailto:slance@horizon-engineering.com)



Glenn Miller  
[gmiller@suretemp.com](mailto:gmiller@suretemp.com)

[www.SureTemp.com](http://www.SureTemp.com) Phone 607-729-6800  
43-47 Lake Avenue Fax 607-729-3483  
Binghamton, NY 13905 Toll Free 800-272-6071

### 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](mailto:anice@meiersupply.com)

**Only \$50 per Year!**



**EAGLE BAY  
REFRIGERATION**

Michael Collins  
President

W:(315) 320-6385  
M:(315) 385-1809

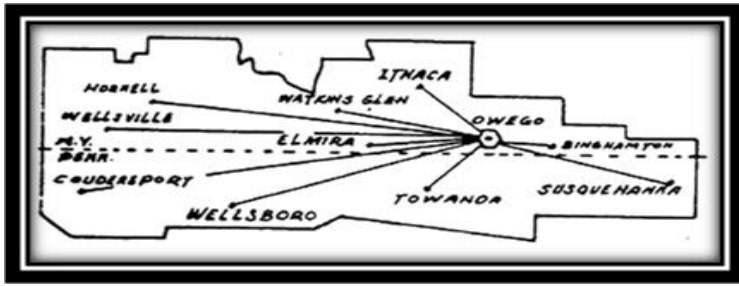
[www.EagleBayRefrigeration.com](http://www.EagleBayRefrigeration.com)  
[Michael.Collins@EagleBayRefrigeration.com](mailto:Michael.Collins@EagleBayRefrigeration.com)



Custom HVAC/R Equipment  
& Engineering Services

304 Farmer Street  
Syracuse, NY 13203





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

## Twin Tiers Annual Golf Tournament!



### **Annual Golf Tournament and Clambake**

The date for the annual golf tournament and clambake is **Tuesday, June 20.** With the closing of Vestal Hill Country Club, the event is being moved to a new location (our third in four years). The event, both golf and clam bake, will be held at **The Links at Hiawatha Landing**. The day will begin with a 10:30am shotgun start. As in past years, the round will include lunch at the turn and keg beer all day. We will have prizes for the winning foursome, closest to pin and drive closest to the line. With its great success over the past few years, the putting contest will also be returning.

The clambake will take place immediately after golf, approximately 4pm. The menu will include 2 dozen clams per person, thin sliced ribeye steak sandwiches with sautéed onions/peppers/mushrooms, salt potatoes, corn on the cob, garden salad, soft drinks, and beer. There will be door prizes. Our hope is to see lots of non-golfers join all the golfers from earlier in the day.

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



**Thank you  
Sponsors!**

## 2017 Business Cards



**MODULAR  
COMFORT SYSTEMS**

**Daniel Brosnan**

5860 Belle Isle Rd • Syracuse, NY 13209 Phone: 315-484-9048 Fax: 315-484-9528  
7401 Willowbrook Rd • Victor, NY 14564 Phone: 585-398-8018 Fax: 585-924-8362  
Cell: 315-952-5056 Email: dbrosnan@mcsmms.com Web: www.mcsmms.com



**Evan Hallas**

Aeroseal Operations Manager

ehallas@taitem.com

Taitem Engineering, PC  
110 South Albany Street  
Ithaca, New York 14850

607.277.1118 x103

[www.taitem.com](http://www.taitem.com)



**Joseph Parisella, PE, CPD**  
Sr. Mechanical Engineer

direct: 607.338.1284  
email: jparisella@popligroup.com

main: 607.238.5888  
fax: 607.338.1288

45 Lewis Street • Binghamton, NY 13901



**Richard R. Sanguinito, PE, LEED AP**  
Vice President/Director of MEP Services

o 607-231-6605  
c 607-222-3509  
f 607-231-6650

860 Hooper Road  
Endwell, NY 13760

[rsanguinito@delta-eas.com](mailto:rsanguinito@delta-eas.com)

[www.delta-eas.com](http://www.delta-eas.com)

**Glenn Roberts**  
HVAC Sales Engineer - Equipment and Controls



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

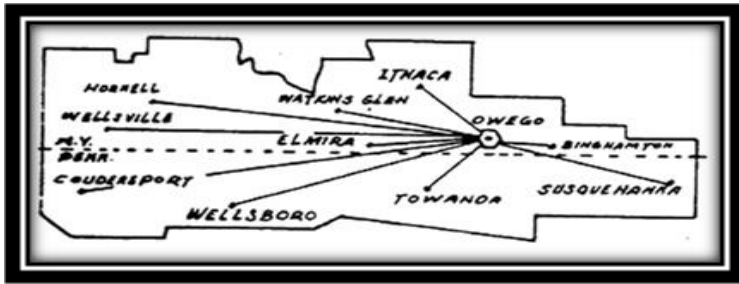


**Ryan Byrd**  
System Sales - Engineering Account Manager  
Team Leader



**Trane Commercial Systems**  
15 Technology Place  
East Syracuse, NY 13057  
315.234.1500 Office 315.433.9120 Fax  
[rjbyrd@trane.com](mailto:rjbyrd@trane.com)  
[www.trane.com](http://www.trane.com)





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

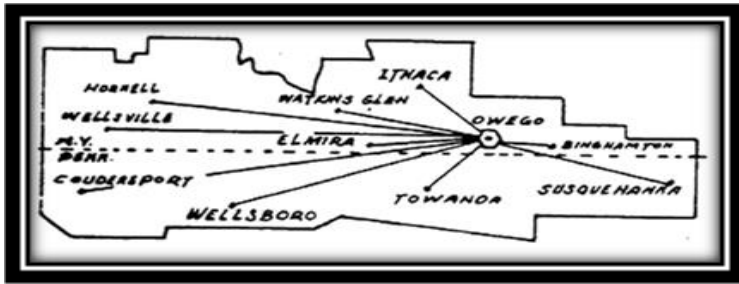
## What Were They Thinking???



**New Up-Flow Ceiling Cassette?**

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

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



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

## TRAINING



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

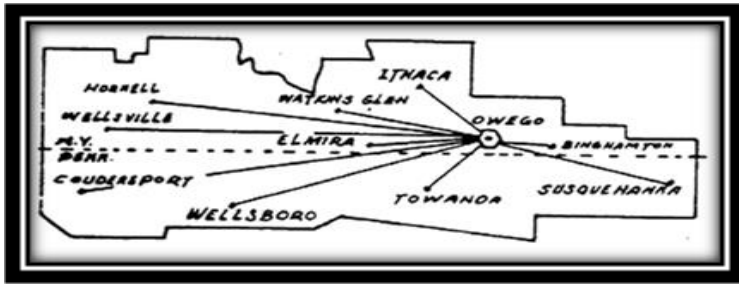
As a licensed professional in New York State, it is your professional responsibility to know the legal and ethical requirements governing the practice of your profession and to be alert to changes in those requirements. The New York State Board for Engineering and Land Surveying, in an effort to help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

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

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

## Take Your PE Ethics Self Test Here!

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



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

## TRAINING



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

[www.aecdaily.com](http://www.aecdaily.com)

[www.ronblank.com](http://www.ronblank.com)

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



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



**Thank you  
Sponsors!**

## 2017 Business Cards



**Dominick DeLucia**  
Project Engineer

ddelucia@taitem.com  
Taitem Engineering, PC  
110 South Albany Street  
Ithaca, New York 14850  
v 607.277.1118 x120  
c 315.729.5545

[www.taitem.com](http://www.taitem.com)

**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



**Shey Doane**  
Sales Engineer



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



**Mike McGinnis, P.E.**

300 MILE CROSSING BLVD., ROCHESTER, NY 14624

Direct (607) 727-3168  
Office (585) 436-1940  
Fax (585) 436-6606  
Email mmcginnis@rkistler.com  
www.rkistler.com

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



**CHRIS WOLAK**  
Engineering Specialist

26 Canterbury Trail  
Fairport, NY 14450  
Email: Chris.Wolak@Victaulic.com

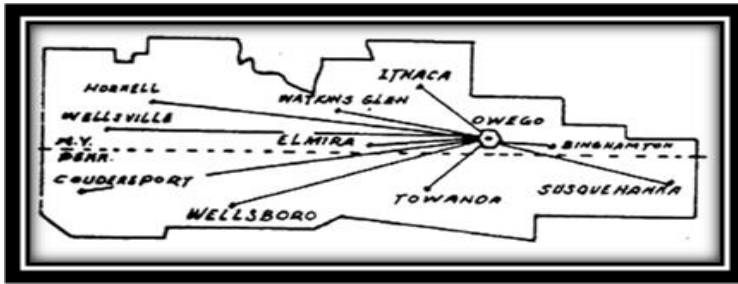
Cell: 484/350-1954

**Camfil USA, Inc.**

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



**Joe O'Hara, NCT**  
Branch Sales Manager



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

## TRAINING

### ASHRAE Learning Institute 2017 Online Course Series

#### 2 WAYS TO REGISTER

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

Phone: Call 1-800-527-4723 (US and Canada) or 404-838-8400 (worldwide)

One-part course (3 hours) \$284 (\$219 ASHRAE Member) — — — Two-part course (6 hours) \$484 (\$359 ASHRAE Member)

**Basics of High-Performance Building Design**  
Wednesday, February 8, 2017 – 1:00 p.m. to 4:00 p.m.

**Designing Toward Net-Zero Energy Commercial Buildings**  
Tuesday, February 14, 2017 – 1:00 p.m. to 4:00 p.m.

**ASHRAE Guideline 0: The Commissioning Process**  
Tuesday, February 21, 2017 – 1:00 p.m. to 4:00 p.m.

**Commissioning Process & ASHRAE Standard 202**  
Monday, February 27, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! Fundamental Requirements of Standard 62.1-2016**  
Thursday, March 9, 2017 – 1:00 p.m. to 4:00 p.m.

**Commissioning Process in New and Existing Buildings**  
Part I: Monday, March 13, 2017 – 1:00 p.m. to 4:00 p.m.  
Part II: Wednesday, March 15, 2017 – 1:00 p.m. to 4:00 p.m.

**Design of Affordable & Efficient Ground Source Heat Pump Systems**  
Wednesday, March 29, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! Complying with Standard 90.1-2016: Envelope/Lighting**  
Wednesday, April 5, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! Complying with Standard 90.1-2016: HVAC/Mechanical**  
Tuesday, April 11, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! Complying with Standard 90.1-2016: Appendix G**  
Tuesday, April 18, 2017 – 1:00 p.m. to 4:00 p.m.

**Air-to-Air Energy Recovery Fundamentals**  
Wednesday, May 3, 2017 – 1:00 p.m. to 4:00 p.m.

**Air-to-Air Energy Recovery Applications: Best Practices**  
Tuesday, May 9, 2017 – 1:00 p.m. to 4:00 p.m.

**Humidity Control: Basic Principles, Loads and Equipment**  
Tuesday, June 13, 2017 – 1:00 p.m. to 4:00 p.m.

**Humidity Control: Applications, Control Levels and Mold Avoidance**  
Tuesday, June 20, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! New ASHRAE-Classified Refrigerants to Meet Society's Changing Needs**  
Tuesday, July 11, 2017 – 1:00 p.m. to 4:00 p.m.

**Advanced High-Performance Building Design**  
Wednesday, August 9, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! Fundamental Requirements of Standard 62.1-2016**  
Wednesday, September 6, 2017 – 1:00 p.m. to 4:00 p.m.

**Designing High-Performance Healthcare HVAC Systems**  
Tuesday, September 19, 2017 – 1:00 p.m. to 4:00 p.m.

**Laboratory Design: The Basics and Beyond**  
Tuesday, October 10, 2017 – 1:00 p.m. to 4:00 p.m.

**Introduction to Ultraviolet Germicidal Irradiation (UVGI) Systems**  
Monday, October 16, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! Complying with Standard 90.1-2016**  
Part I: Wednesday, November 1, 2017 – 1:00 p.m. to 4:00 p.m.  
Part II: Tuesday, November 7, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! New ASHRAE-Classified Refrigerants to Meet Society's Changing Needs**  
Tuesday, December 5, 2017 – 1:00 p.m. to 4:00 p.m.

### ASHRAE HVAC Design Training

2 Courses, 5 Days of Intense Instruction

Atlanta • Dallas • Doha • Hartford • Toronto

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

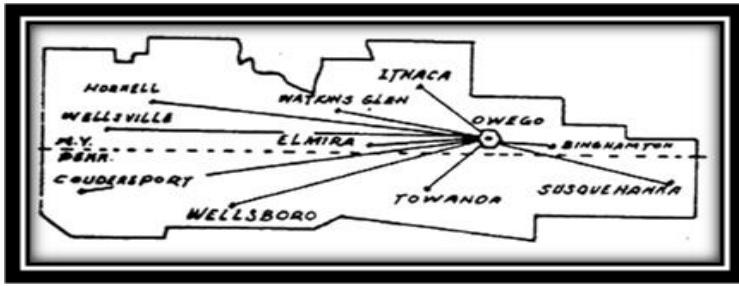
Gain practical skills and knowledge in designing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters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

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

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

Visit [www.ashrae.org/hvactraining](http://www.ashrae.org/hvactraining) to register and learn how your Chapter can earn PAOE points.

Contact Karen Murray ([kmurray@ashrae.org](mailto:kmurray@ashrae.org)) to discuss scheduling ASHRAE HVAC Training in your Chapter area.



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

## INDUSTRY ARTICLE

# Governor Cuomo Announces State Agencies Save \$19.6 Million with Green Practices

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

By Press Office of NYS Governor Apr. 28, 2017

Governor Andrew M. Cuomo today announced that green policies at state agencies saved New York taxpayers \$19.6 million in the first five years of his administration, while substantially reducing paper use and waste and increasing recycling. A new [report](#) released today by the Office of General Services also found that state agencies are using green cleaning products, capturing and reusing rainwater, and generating renewable energy. The announcement comes during Earth Week, a week-long celebration of New York's commitment to protecting our environment.

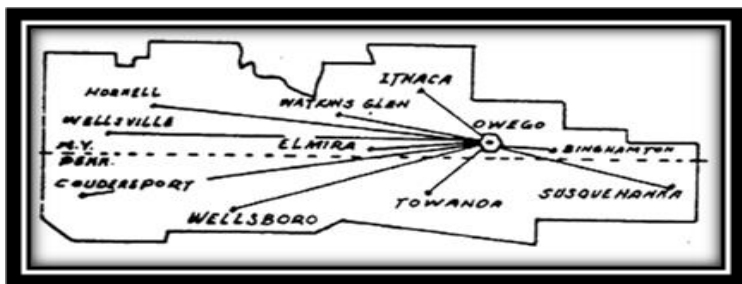


"New York is leading the nation by adopting green programs to reduce the environmental impact of government agencies while at the same time, saving money for taxpayers," **Governor Cuomo said.** "By committing ourselves to reducing New York's carbon footprint we take yet another step toward a cleaner, greener New York."

State agency achievements include:

- 35 percent reduction in copy paper purchased by state agencies since 2011 has saved taxpayers \$19.6 million;
- Increasing recycling to 78 percent in FY 15-16 through increased recycling of construction and demolition debris by the Metropolitan Transit Authority and Department of Transportation;
- Generating 67 million kWh of energy through on-site renewable energy installations, enough to power 6,200 homes for one year;
- Completing the 693kW solar array at Robert Moses State Park in Suffolk County, which will generate as much electricity as the park consumes, making it the first-ever energy-neutral state park in the U.S.;
- Increasing the composting of organic material, up 34 percent in FY 15-16 with a 20 percent increase in food scrap composting
- Increasing the purchase of 100 percent, post-consumer recycled content copy paper, which reached 57 percent of all copy paper in FY 15-16, an increase of 35 percent from FY 08-09.





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

## INDUSTRY ARTICLE

# Governor Cuomo Announces State Agencies Save \$19.6 Million with Green (Cont.)

**Department of Environmental Conservation Commissioner Basil Seggos said,** "State agencies continue to extend their commitment to green practices and embrace new initiatives, such as the composting of food waste. Governor Cuomo's unwavering dedication to protecting public health and the environment continues to spur innovation and efficiency at state agencies."

**Office of General Services Commissioner RoAnn Destito said,** "The Interagency Committee on Sustainability and Green Procurement continues its important work under Governor Cuomo's executive order to bring a greener, more sustainable, and more efficient government to the people of New York. The committee adopted several green procurement specifications that cover items ranging from cleaning products to furniture and will guide state agencies, local governments, and schools when making green purchasing decisions. The committee also rolled out the new GreenNY website, which my digital team at OGS helped develop to create a one-stop source for information on green procurement and sustainable operations."

In addition, the state finalized new green purchasing specifications that will guide future purchasing to reduce environmental impact and exposure to toxic chemicals. Specifications include furniture, lighting, and state-funded travel. Two specifications, food containers and batteries, were tentatively approved and released for public comment. The food container specification will make New York the first state in the nation to eliminate the purchase of food containers manufactured with perfluorinated chemicals and polystyrene.

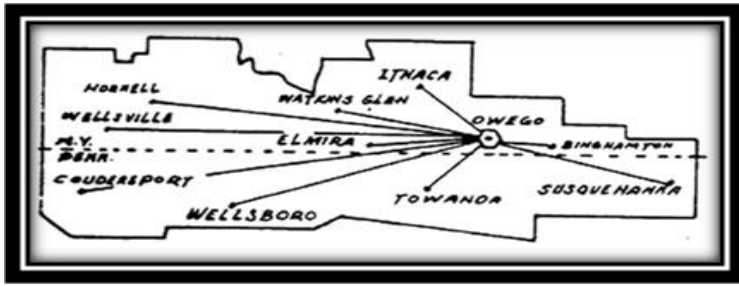
The report is available online [here](#), along with [additional resources](#) about New York's green operations at the State's newly redesigned "GreenNY" website. The new site makes it easier to find green products and adopt green practices, from reducing waste to using renewable energy.

The Governor also announced the state's new "Green Procurement" team with OGS Procurement Services that will focus on the issuance of contracts with green offerings. Earlier this month, OGS received an EPEAT award for excellence in sustainable electronics procurement from the Green Electronics Council for requiring desktop, notebook and tablet computers purchased through the State's aggregate buy program to meet highly protective environmental criteria.

**Claire Barnett, Executive Director of the Healthy Schools Network said,** "Healthy Schools Network applauds the 'silo-busting' leadership of New York in harnessing 73 agencies into a single force for green procurement success. The 5th annual Progress Report has more detail and more successes in green cleaning, recycling, and IPM. We also support the state's interest in advancing safer disinfectants—products approved by EPA but also products that do less harm. Kudos Green NY!"

Programs to reduce waste, improve energy efficiency, avoid the use of toxic chemicals, and conserve water in State operations are part of a larger strategy to protect New York's land, air and water. New York is a leader in combating climate change by reducing greenhouse gas emissions, protecting open space, and enhancing water quality across the state.

"Governor Cuomo Announces State Agencies Save \$19.6 Million with Green" *New York State Governor Andrew M. Cuomo*. Press Office of the New York State Governor, 28 Apr. 2017. Web. 2 May 2017. <<https://www.governor.ny.gov/news/governor-cuomo-announces-state-agencies-save-196-million-green-practices>>.



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

## INDUSTRY ARTICLE

# Governor Cuomo Announces Groundbreaking at New Salvation Army Job Training Center in Binghamton

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

By Press Office of NYS Governor Apr. 27, 2017

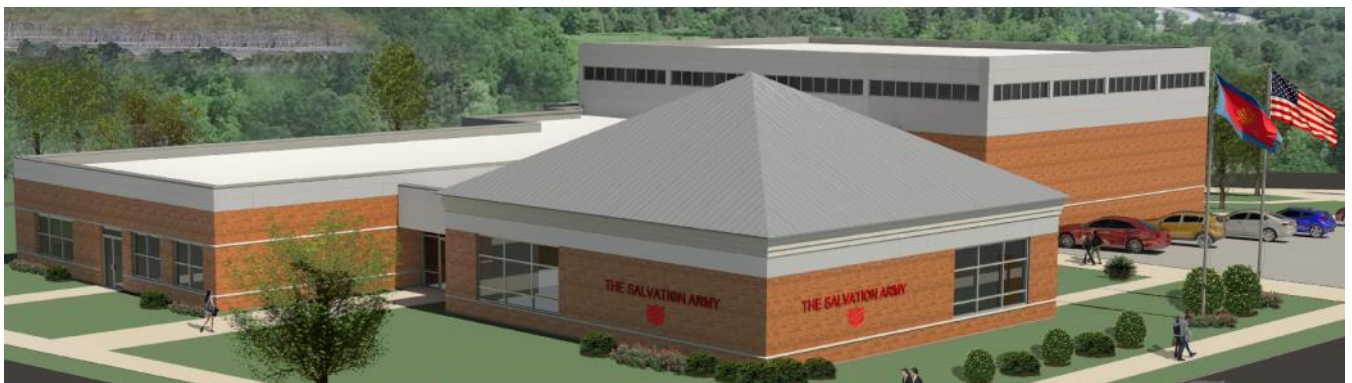
Governor Andrew M. Cuomo today announced the Salvation Army in the City of Binghamton has broken ground on its new North Side Job Training and Support Center. The new \$6 million center will create up to 40 new full-time jobs and will provide additional services to residents in need. This announcement supports Southern Tier Soaring, the region's economic blueprint designed to attract a talented workforce, grow business and drive innovation.

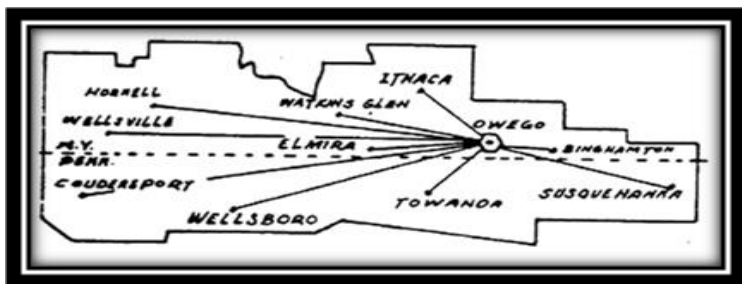
"For years, the Salvation Army has provided assistance for New Yorkers in need, and by expanding job training and family care services with the new Binghamton Center, more men and women will have access to the resources they need to support their loved ones," **Governor Cuomo said**. "This project will not only create new jobs for residents in Binghamton, it will change the lives of men and women across the region by providing hope and support for a strong, healthy future."

"The Salvation Army's expanded Job Training and Family Resource Center is a \$5.6 million investment in the future of Binghamton's north side," **said Lieutenant Governor Kathy Hochul**, who attended today's groundbreaking. "This will mean improved daily services as well as critically important workforce development support. As chair of Governor Cuomo's regional economic development councils, I am proud the Southern Tier REDC was able to secure \$1.7 million for a project that will help transform this neighborhood as part of the Southern Tier Soaring Upstate Revitalization Initiative plan."

The Salvation Army will offer a new workforce training partnership initiative by working with area education providers to offer work skills development and trainings to men and women across the region. The new center will also provide child-care and senior services.

In order to move this project forward, Empire State Development has offered up to \$1.7 million in capital grant funding in return for job creation commitments. The total project cost is close to \$6 million dollars. The new center is expected to be completed in the Summer of 2018.





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

## INDUSTRY ARTICLE

# Governor Cuomo Announces Groundbreaking at New Salvation Army Job Training Center in Binghamton (Cont.)

**Laura Hamilton, Binghamton Salvation Army Capital Campaign Director said,** "The Salvation Army's new facility will anchor community-wide efforts to build up Binghamton's North Side Neighborhood from an area struggling with chronic economic barriers to one of increased social mobility and personal empowerment. Working together with the community partners, we will embrace transformative economic initiatives and provide wrap around services that will sustain individuals and families as they work to overcome food insecurity, unemployment and poverty, not just in Binghamton but throughout Broome County."

**City of Binghamton Mayor Rich David said,** "The Salvation Army has a proud history supporting our community, especially providing services to our Binghamton residents most in need. It will continue this tradition with its new North Side Job Training and Support Center. I thank Governor Cuomo and Empire State Development for providing the funds to advance this project and look forward to its opening next summer."

Nationwide, The Salvation Army operates 7,546 centers in communities across the United States. These include food distribution initiatives, disaster relief, rehabilitation centers, anti-human trafficking efforts, and a wealth of children's programs.



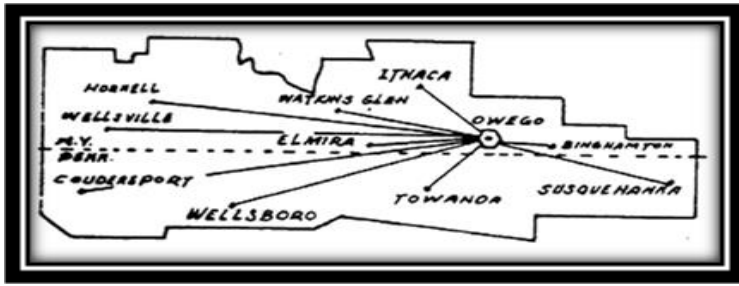
### Accelerating Southern Tier Soaring

Today's announcement complements the "Southern Tier Soaring," the region's comprehensive blueprint to generate robust economic growth and community development. This initiative is focused on innovation, vigorous business growth and to creating an environment aimed at attracting the best and brightest talent to the region. The State has already invested more than \$3.1 billion in the region since 2012 to lay the groundwork for the plan which includes investing in key industries such as advanced manufacturing, food and agriculture and in efforts that support the greater Binghamton innovation ecosystem.

Today, unemployment is down to the lowest levels since before the Great Recession; personal and corporate income taxes are down; and businesses are choosing places like Binghamton, Johnson City and Corning as a destination in which to grow and invest.

The \$500 million "Southern Tier Soaring" Upstate Revitalization Initiative announced by Governor Cuomo in December 2015 will incentivize private business to invest well over \$2.5 billion – and the region's plan, as submitted, projects up to 10,200 new jobs. More information is available [here](https://www.governor.ny.gov/news/governor-cuomo-announces-groundbreaking-new-salvation-army-job-training-center-binghamton).

"Governor Cuomo Announces Groundbreaking at New Salvation Army Job Training Center in Binghamton " *New York State Governor Andrew M. Cuomo*. Press Office of the New York State Governor, 27 Apr. 2017. Web. 2 May 2017. <<https://www.governor.ny.gov/news/governor-cuomo-announces-groundbreaking-new-salvation-army-job-training-center-binghamton>>.



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

## Twin Tiers Chapter– Employment Opportunities



**TETRA TECH**

### **MECHANICAL ENGINEER**

Tetra Tech is a leading provider of consulting, engineering, and technical services worldwide. Our reputation rests on the technical expertise and dedication of our employees—16,000 people working together across disciplines and time zones to provide smart, sustainable solutions for challenging projects. We are proud to be home to leading technical experts in water, environment, infrastructure, resource management, energy, and international development. Tetra Tech combines the resources of a global, multibillion dollar company with local, client-focused delivery in 400 locations around the world. We offer competitive compensation and benefits and are searching for innovative people to join our teams.

Tetra Tech A&E provides planning, design and construction phase services for a wide range of building types and clients, from K-12 and higher education facilities in New York to facilities supporting governments worldwide. We currently seek a Mechanical Engineer to work out of our Ithaca NY or Albany NY office.

#### **Responsibilities include:**

- Design of building mechanical systems (HVAC) including appropriate system concepts, calculations, energy modeling, layout, sizing, selections, specifications and coordination
- Perform site visits of existing mechanical systems for evaluation or to inspect work in progress or completed
- 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

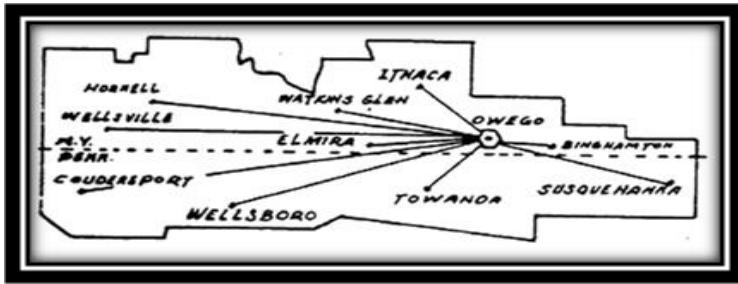
#### **Requirements:**

- Bachelor's degree in Mechanical Engineering, Mechanical Engineering Technology, or similar field with 8 years of experience designing building mechanical (HVAC) systems.
- Experience with Design of mechanical (HVAC) systems for educational facilities is desired.
- Licensed Professional Engineer (PE) or EIT and preparing to obtain professional licensure preferred.
- Proficient in AutoCAD and Revit/BIM with working knowledge of MS Office.
- Proficiency with building energy modeling concepts and software preferred.
- Knowledge of applicable codes and standards.
- Possesses and applies a broad knowledge of principles, practices and procedures to the completion of difficult assignments.
- Knowledge of and demonstrated interest in energy efficient solutions and designs.

If you are interested in this exciting opportunity apply on-line at: <http://www.tetrattech.com/en/careers>

Tetra Tech is committed to creating a diverse environment and is proud to be an Equal Opportunity Employer. We invite resumes from all interested parties including women, minorities, veterans and persons with disabilities. Tetra Tech is a VEVRAA federal contractor and we request priority referral of veterans for available positions.

EOE AA M/F/Vet/Disability



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

## Twin Tiers Chapter– Employment Opportunities



### TETRA TECH SENIOR MECHANICAL ENGINEER

Tetra Tech is a leading provider of consulting, engineering, and technical services worldwide. Our reputation rests on the technical expertise and dedication of our employees—16,000 people working together across disciplines and time zones to provide smart, sustainable solutions for challenging projects. We are proud to be home to leading technical experts in water, environment, infrastructure, resource management, energy, and international development. Tetra Tech combines the resources of a global, multibillion dollar company with local, client-focused delivery in 400 locations around the world. We offer competitive compensation and benefits and are searching for innovative people to join our teams.

Tetra Tech A&E provides planning, design and construction phase services for a wide range of building types and clients, from K-12 and higher education facilities in New York to facilities supporting governments worldwide. We currently seek a Senior Mechanical Engineer to work out of our Ithaca NY, Albany NY, Farmingdale NY, or Marlborough, MA office.

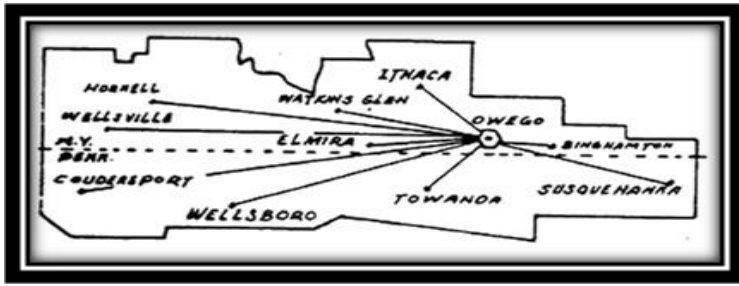
#### **Responsibilities include:**

- Design of building mechanical systems (primarily HVAC) including appropriate system concepts, calculations, energy modeling, layout, sizing, selections, specifications and coordination
- Perform site visits of existing mechanical systems for evaluation or to inspect work in progress or completed
- Acts as lead engineer on projects and provides conceptual guidance to Mechanical Designers and Mechanical Engineers on wide range of projects.
- 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.

If you are interested in this exciting opportunity apply on-line at: <http://www.tetrattech.com/en/careers>



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

## Twin Tiers Chapter– Employment Opportunities



### Senior Mechanical Engineer

Engineers thrive on solving problems by putting their logic and creativity together. They are able to invent, explore, and question to enhance the areas around us. IBI Group engineers work in multiple disciplines and collaborate on larger initiatives.

IBI Group's Binghamton, New York office is searching for a Senior Mechanical Engineer to join its growing team.

Are you looking for a challenging opportunity that can move your career to the next level?

Then come discover what IBI has to offer.

IBI Group offers you a career you can Define...Discover It!

#### Responsibilities:

- Responsible for the technical and design development for assigned projects.
- Functions in the role of project leader and handles project management tasks and supervises the mechanical design and technical aspects.
- Produces design work according to established standards, methods, and procedures of the office.
- Coordinates and develops the layout, design, drafting, and specifications produced by architectural and engineering staff members who are part of the project team.
- Develops project cost estimates.
- Supervises technical staff and provides design guidance.
- Supervises the preparation and checks the accuracy of contract documents.
- Incorporates applicable codes, construction techniques, and sequences in various projects including all aspects of cross disciplines.
- Conducts site observations as required to perform the design.
- Conducts site observations of mechanical systems during construction operations. Performs other associated construction phase tasks.

#### Qualifications:

- Experience in designing HVAC systems for educational, commercial, institutional, and industrial facilities
- In addition to HVAC system design experience; experience with Plumbing design and Fire Protection design strongly desired.
- At least 5 years design experience
- Bachelor's degree in Mechanical Engineering
- EIT required; Registration as a Professional Engineer in New York State strongly desired
- Working knowledge of AutoCAD, BIM/Revit
- Effective communication (verbal and written) in English
- Strong team player
- Highly proactive and detail oriented
- LEED certification is a strong asset

We are a global team of dedicated and experienced architects, engineers, planners, designers and technology professionals who share a common desire – to help our clients create livable, sustainable, and advanced urban environments.

From high-rises to industrial buildings, schools to state-of-the-art hospitals, transit stations to highways, airports to toll systems, bike lanes to parks, we design every aspect of a truly integrated city for people to live, work, and play.

Our collaborative and combined approach focuses not only on creating the best solutions today, but also determining the right solutions for tomorrow.

We believe cities in the future must be designed with intelligent systems, sustainable buildings, efficient infrastructure, and a human touch.

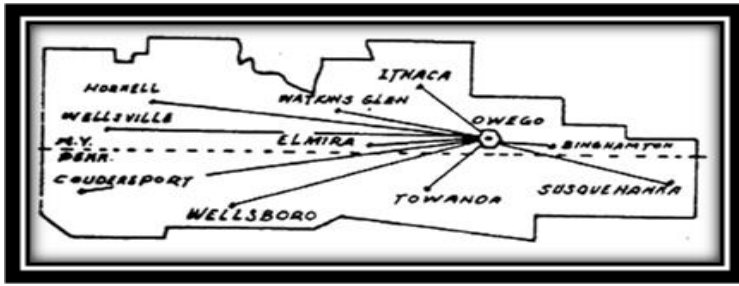
At IBI, we're defining the cities of tomorrow.

**Applicants for U.S. based positions with IBI Group must be legally authorized to work in the United States. Verification of employment eligibility will be required at the time of hire. Visa sponsorship is not available for this position.**

**IBI Group is an Equal Employment Opportunity/Affirmative Action Employer and maintains a Drug-Free Workplace.**

**EOE-M/F/Vet/Disability**

**Contact: Linda Gauld [linda.gauld@ibigroup.com](mailto:linda.gauld@ibigroup.com) (+1 519 472 7328 ext 261)**



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

## Twin Tiers Chapter– Employment Opportunities



Design Your Career

### 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:**

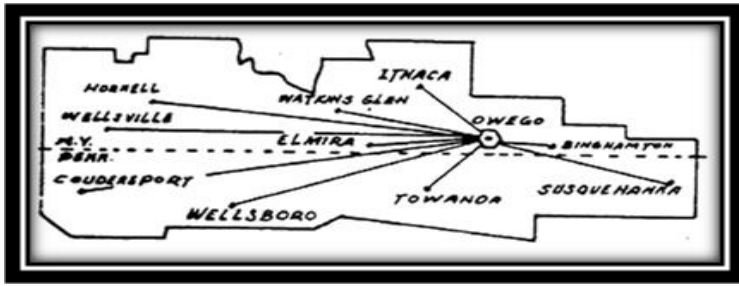
The successful candidate will possess:

- 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:

- (Rochester) <https://jobs-stantec.icims.com/jobs/25804/senior-mechanical-engineer---buildings/job>
- (Endicott) <https://jobs-stantec.icims.com/jobs/25927/senior-mechanical-engineer---buildings/job>



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

## Twin Tiers Chapter– Employment Opportunities

### FACILITY MECHANICAL / HVAC ENGINEER

# CORNING

**Job Number:** 180818

**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 & project leadership in a corporate engineering group that supports all divisions within Corning Incorporated.
- Apply fundamental engineering principles to develop, design & resolve solutions to a variety of technical problems related to HVAC and facility mechanical systems & processes.
- Develop criteria and specifications for various facility equipment, systems & processes.
- Collectively work with division, process, plant & R&D resources on project teams.
- Develop, review & forecast capital & expense design, equipment & installation project costs.

#### **Day to Day Responsibilities:**

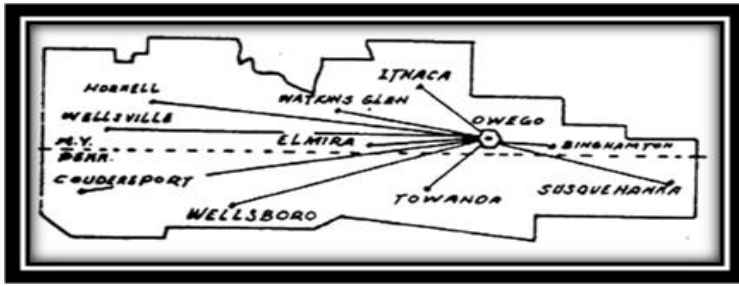
- Deliver strong project leadership skills through the project initiation, planning, implementation and closeout phases.
- Develop project concepts, scopes, estimates, schedules, design, installation & startup documentation.
- Exercise sound judgment, solid engineering principles and utilize structured problem solving techniques.
- Lead, guide, coach & help develop internal Corning & contingent employees as well as external contractors.
- Actively work and participate in project teams in various roles and capacities.
- Effectively listen and communicate utilizing multiple channels and means.

#### **Travel Requirements:**

- Travel can be greater than 50% both Domestic and International.
- Project assignments can be in excess of 1-2 years in duration.

#### **Hours of work/work schedule/flex-time:**

- Flexibility is required.
- Normal Business Hours (8 – 5, M – F): however, expected to work hours required to achieve objectives. Includes overtime, weekend and off-shift hours.



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

## Twin Tiers Chapter– Employment Opportunities

### **FACILITY MECHANICAL / HVAC ENGINEER (Cont.)**

# CORNING

#### **Required Education:**

- BS degree in Mechanical Engineering
- MS in Mechanical Engineering preferred.

#### **Required Years and Area of Experience:**

- 5-10 years of engineering & professional work experience.
- Required Skills:
- Excellent project leadership, HVAC engineering, installation and start-up skills.
- Able to apply HVAC & Mechanical engineering principles to concepts, designs, trouble shooting and solving problems.
- Problem solving skills and the use of structured methods; such as, K-T (DA, PPA, RA), DESGN & DMAIC.
- Excellent communication and interpersonal skills.
- Excellent presentation skills.
- Solid HVAC & Mechanical system trouble shooting capabilities & experience.
- Project estimating, forecasting and scheduling experience.

#### **Desired Skills:**

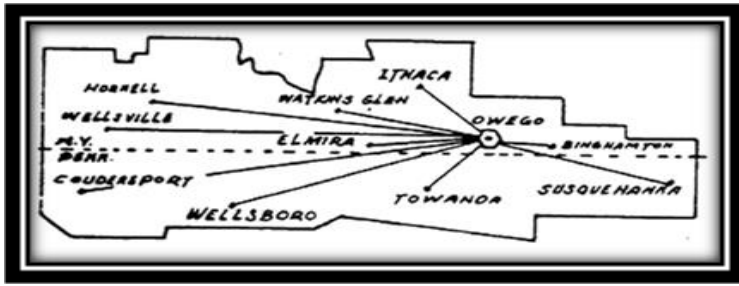
- Proficient in MS Project & SharePoint.
- Experience with AutoCad and Solidworks.
- Professional Engineering Certification.
- PMI certification.
- Proficiency in Mandarin, Spanish or Japanese.

#### **Soft Skills:**

- Results oriented.
- Strives for excellence & high quality.
- Strong commitment and work ethic.
- Positive attitude.
- Flexible and adaptable.
- Open, honest & trustworthy.
- Strong listening & communication skills.
- Approachable and a team player.

EOE/AA including Veterans and Disabled.

**IF YOU ARE INTERESTED IN THIS OPPORTUNITY, PLEASE FEEL FREE TO CONTACT ANNE LAPORTE AT 716-276-3837 OR LAPORTEAM@CORNING.COM**



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

## Twin Tiers Chapter– Employment Opportunities

### Facilities Engineering Project Manager

**Job Number:** 182585

**Location:** Corning, NY

# CORNING

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.

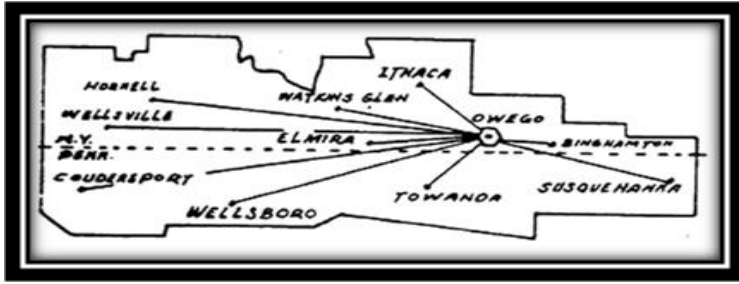
Corning’s history is filled with breakthrough technologies that have played an important role in the way the world works. We thrive on solving difficult, commercially relevant problems through an innovative and collaborative research and development process. Corning succeeds through sustained investment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

#### **Scope of Position:**

Manage the development and implementation facility and capital projects involving departmental and/or cross-functional teams focused on the construction of new or existing productions facilities.

#### **Day to Day Responsibilities:**

- Provide project management for key manufacturing capital projects. Overall responsibility for the ensuring the project’s compliance with safety, scope schedule, cost, and other project specific deliverables such as those associated with product quality, equipment and process capability, machine and line rates, equipment uptime, etc.
- Direct supervision of project team resources, approximately 10 – 15 members. Provides guidance to subordinates to achieve goals in accordance with established policies.
- Establish requirements with customer.
- Assist in the evaluation and verify justification for project.
- Identifies and drives key decisions for such things as scope, design, schedule, spending, vendor selection, etc.
- Establish roles, responsibilities and competencies required for the project.
- Establish project team working with division management.
- Manage the performance of team members and outside resources to meet the project requirements.
- Establish project plans (scopes, schedule, cost estimates, procurement/contracting strategy, project acceptance criteria, etc.).
- Work with business in the preparation and approval of Appropriation Requests.
- Conduct project meetings and document key issues, action items and decisions.
- For key projects, establish and coordinate activities of a steering committee for the project.
- Provide periodic project updates to customer and division management.
- Manage the project to meet the requirements.
- Implement safety program to ensure that LTAs and Recordable Incidence rate = or < Corporate targets.
- Conduct a project critique at completion and share key learning’s with others unassociated with the project.



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

## Twin Tiers Chapter– Employment Opportunities

### Facilities Engineering Project Manager (Cont.)

# CORNING

#### Travel Requirements:

- Able to travel extensively including overseas. Assignment could involve long term domestic or international assignments.

#### Hours of work/work schedule/flex-time:

- Basic work hours are dependent on the particular assignment. Individuals need to work the hours required to complete the assignment. Work hours can vary from 40 to 60 hours per week depending on the needs of the project

#### Required Education:

- BS Mechanical, Electrical or Civil Engineering
- MS or MBA preferred

#### Required Years and Area of Experience:

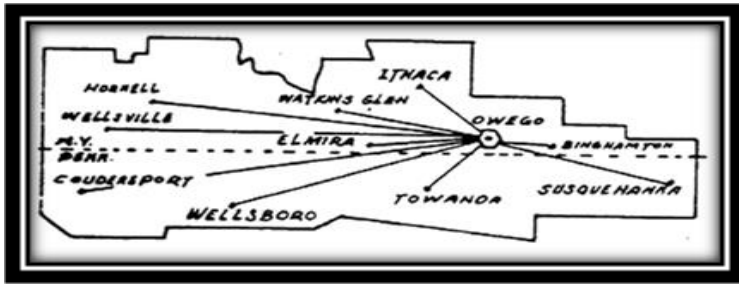
- 10 to 15 years overall experience and 5 years in Project management
- Professional Engineering registration or PMI certification desired

For a full position description and requirements please visit the ASHRAE Twin Tiers Website.

<http://twintiers.ashraechapters.org/>

EOE/AA including Veterans and Disabled.

**IF YOU ARE INTERESTED IN THIS OPPORTUNITY, PLEASE FEEL FREE TO CONTACT ANNE LAPORTE AT 716-276-3837 OR LAPORTEAM@CORNING.COM**



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

## Twin Tiers Chapter– Employment Opportunities

### Environmental Design Engineer

# CORNING

**Job Number:** 180817

**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 Environmental engineering, air/water pollution control & project leadership in a corporate engineering group that supports all divisions within Corning Incorporated.
- Apply fundamental engineering principles to develop, design & resolve solutions to a variety of technical problems related to environmental facility systems & processes.
- Develop criteria and specifications for various facility, environmental, air/water pollution controls, equipment, systems & processes.
- Collectively work with division, process, plant & R&D resources on project teams.
- Develop, review & forecast capital & expense design, equipment & installation project costs.

#### **Day to Day Responsibilities:**

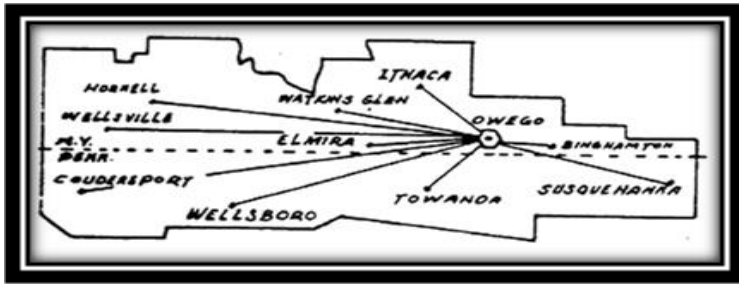
- Deliver strong project leadership skills through the project initiation, planning, implementation and closeout phases.
- Develop project concepts, scopes, estimates, schedules, design, installation & startup documentation.
- Exercise sound judgment, solid engineering principles and utilize structured problem solving techniques.
- Lead, guide, coach & help develop internal Corning & contingent employees as well as external contractors.
- Actively work and participate in project teams in various roles and capacities.
- Effectively listen and communicate utilizing multiple channels and means.

#### **Travel Requirements:**

- Travel can be greater than 50% both Domestic and International.
- Project assignments can be in excess of 1-2 years in duration.

#### **Hours of work/work schedule/flex-time:**

- Flexibility is required.
- Normal Business Hours (8 – 5, M – F): however, expected to work hours required to achieve objectives. Includes overtime, weekend and off-shift hours.



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

## Twin Tiers Chapter– Employment Opportunities

### Environmental Design Engineer (Cont.)

# CORNING

#### Required Education:

- BS degree in Environmental Engineering required.
- MS in Environmental Engineering preferred.

#### Required Years and Area of Experience:

- 5-10 years of engineering & professional work experience.

#### Required Skills:

- Excellent project leadership, mechanical engineering, installation and start-up skills.
- Able to apply environmental engineering and air/water pollution control principles to concepts, system designs, trouble shooting and solving problems.
- Problem solving skills and the use of structured methods; such as, K-T (DA, PPA, RA), DESGN & DMAIC.
- Excellent communication and interpersonal skills.
- Excellent presentation skills.
- Strong facility environmental system trouble shooting capabilities & experience.
- Project estimating, forecasting and scheduling experience.

#### Desired Skills:

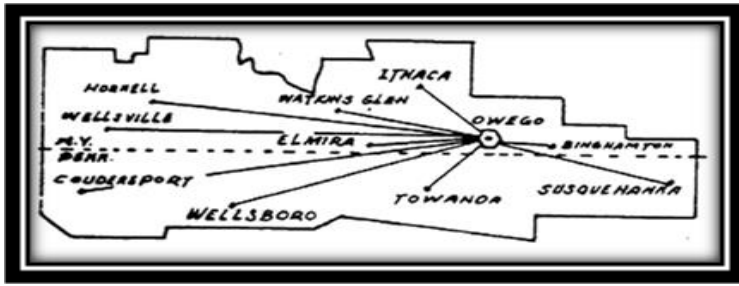
- Proficient in MS Project & SharePoint.
- Experience with AutoCad and Solidworks.
- Professional Engineering certification.
- PMI certification.
- Proficiency in Mandarin, Spanish or Japanese.

#### Soft Skills:

- Results oriented.
- Strives for excellence & high quality.
- Strong commitment and work ethic.
- Positive attitude.
- Flexible and adaptable.
- Open, honest & trustworthy.
- Strong listening & communication skills.
- Approachable and a team player.

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 [WATKINS@CORNING.COM](mailto:WATKINS@CORNING.COM)**



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

## Twin Tiers Chapter– Employment Opportunities

# LABELLA

Associates

Engineering  
Architecture  
Environmental  
Planning

### SENIOR MECHANICAL ENGINEER – PROJECT MANAGER

**LaBella Associates, D.P.C.** is one of the area's Top 2015 Workplaces. We are headquartered in Rochester's High Falls District with offices across New York and in Maine, North Carolina, Ohio, Pennsylvania, and an office in Madrid, Spain. We are a multi-disciplined architectural and engineering firm dedicated to client satisfaction through teamwork, respect, and trust.

We are currently seeking a Senior Mechanical Engineer to lead mechanical project teams in our Elmira Heights, NY office. Project work will involve clients in multiple Market Sectors. This position will report to the Mechanical Engineering Discipline Leader.

#### Responsibilities:

- Work closely with the mechanical engineering staff to develop concepts, strategies, construction documents and engineering reports for new building and renovation projects.
- Assist the energy group in conducting Energy Audits for Municipal, Commercial, and Industrial clients.
- Recognize energy reduction potential in buildings through the use of high efficiency equipment.
- Mentoring, guidance and performance appraisal for the mechanical engineering team.
- Client and Business Development.
- Proposal writing to initiate new business.
- Work with Commissioning Teams as necessary to provide reinforcement to this market focus.

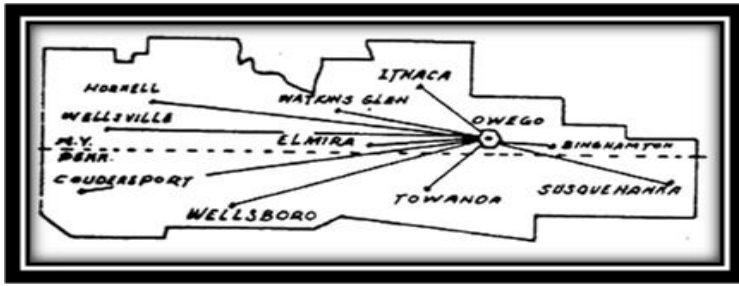
#### The ideal candidate will possess:

- Bachelor's degree in Mechanical Engineering.
- Minimum 10 years engineering experience with a professional A/E services firm.
- Strong writing, organizational and communications skills
- Ability to work under pressure, and multi-task efficiently
- A New York PE license is mandatory.
- Familiarity with NYSERDA and the related incentive programs.

Resumes should be accompanied by a cover letter demonstrating how your past experience qualifies you for this position. All inquiries will be kept confidential.

LaBella offers a strong benefits package including health insurance, dental insurance, professional development, paid time off, 401k and much more.

<https://home.eease.com/recruit/?id=14921471>



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

## Twin Tiers Chapter– Employment Opportunities

# LaBella

Associates

Engineering  
Architecture  
Environmental  
Planning

### Mechanical Engineer

**LaBella Associates, D.P.C.** is one of the area's Top 2015 Workplaces. We are headquartered in Rochester's High Falls District with offices across New York and in Maine, North Carolina, Ohio, Pennsylvania, and an office in Madrid, Spain. We are a multi-disciplined architectural and engineering firm dedicated to client satisfaction through teamwork, respect, and trust.

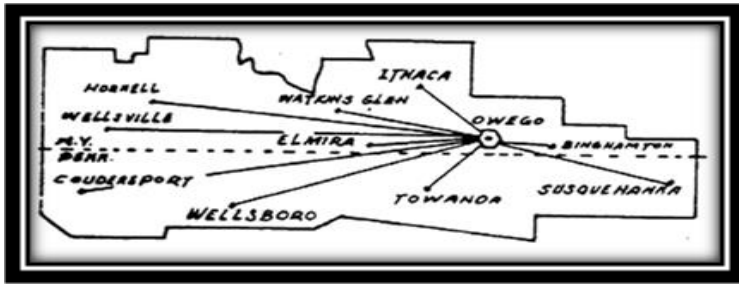
We are currently seeking a Mechanical Engineer with a strong focus and background in Building Projects to work in our Elmira Heights, NY Office. This position will work closely with the mechanical engineering staff to develop concepts, strategies, designs, drawings, specifications and reports.

Individual must be able to work independently, as well as part of multi-discipline teams producing mechanical engineering documents. Individual must have well rounded experience in HVAC design. Energy conservation and commissioning experience is a plus. A Bachelor's degree and minimum of 4 years of experience working at an A/E consulting firm preferred.

Resumes should be accompanied by a cover letter demonstrating how your past experience qualifies you for this position. All inquiries will be kept confidential.

LaBella offers a strong benefits package including health insurance, dental insurance, professional development, paid time off, 401k and much more.

<https://home.eease.com/recruit/?id=14921441>



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

## Twin Tiers Chapter– Business Cards Advertisement for Newsletter

### ADVERTISE your business card:

- Current business card adds will expire at the end of this year, December 31, 2017.

- New subscription will run the calendar year 2017.
- Cost to advertise for the 2017 year is \$50.
- Sign up now for the 2017 year On Pay Pal <http://twintiers.ashraechapters.org>

Or Send Check and copy of business card to Twin Tier News Letter Editor:

Meier Supply Co.  
Attn: Andrew Nice  
275 Broome Corporate Parkway  
Conklin, NY 13748

- Email a copy of your business card to [Twin Tier Newsletter Editor Email](mailto:Twin Tier Newsletter Editor Email).

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

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

### Business Card Advertising 2017

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 2017. 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 2017 year.

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

Questions? Call or email  
Thank you for your support!  
Andrew Nice

[Twin Tier Newsletter Editor Email](mailto:Twin Tier Newsletter Editor Email)

### Comments? Suggestions?

Andrew Nice, Editor  
c/o Meier Supply Co.  
275 Broome Corporate Parkway, Conklin, NY 13748  
[anice@meiersupply.com](mailto:anice@meiersupply.com)

**We welcome your feedback!**



### *ASHRAE Mission Statement*

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

## Ethics Requirement for PE

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

### *ASHRAE Vision Statement*

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

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

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

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

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