



# Twin Tiers Chapter

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 2022-2023



Shaping Tomorrow's Built Environment Today

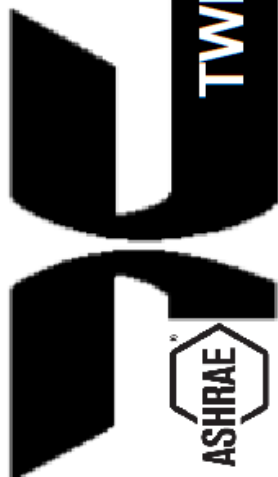
### June Meeting

June 13, 2023

## Twin Tiers Annual Golf Tournament

10:30AM - Golf Tournament  
4:00PM - Clambake

TWIN TIERS TALK



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

Please send all newsletter comments to:  
Andrew Nice, Newsletter 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
Golf Tournament	8
Chapter Survey	9
Training Events	12
Sustainability Article	20
Employment Opportunity	21

President's

Corner

Dear Twin Tiers Chapter Members,

Thank you to all who have joined us for the May chapter meeting at Cornell University! We toured the recent lab exhaust heat recovery system installation at Olin Hall and then attended a dinner presentation. Our team of presenters, Nicole Tyler, Cole Tucker, and Jason Collins gave an overview of heat recovery technology, shared project drivers and discussed some of the challenges specific to this application. 1.5 PDH was available to attendees.

Our final chapter event for the year is the Annual Golf Tournament and Clambake. We're looking forward to welcoming many teams at the Links at Hiawatha in Apalachin on Tuesday, June 13<sup>th</sup>. We're hoping for good weather!

As the society year comes to a close, I want to extend my gratitude to the many volunteers who contribute to the success of our chapter. It's because of your efforts that we're able to offer so many continuing education opportunities, grow our chapter membership, engage students, fund chapter activities and support ASHRAE Research Promotion.

I'm excited to announce the incoming chapter officers for the 2023-2024 Society Year:

- President: Dana Ehrets, Century Heating
- President-Elect: Alison Kran, Binghamton University
- Vice President: Rob VanSkiver, H&V Sales Group
- Treasurer: Ibrahima Balde, Stantec
- Secretary: Kevin McKeon, PE, Stantec

Please note that Dana is currently out on parental leave (Congratulations to Dana and family!) and plans to return in August. For any chapter needs over the summer, please feel free to reach out to me (vak33@cornell.edu) or Alison Kran, President-Elect (akran@binghamton.edu). We are still looking to fill a few volunteer positions for next year. If you're interested in learning more, please speak with any member of the board.

If we don't see you at the Golf Tournament, have an enjoyable and safe summer! We look forward to reconvening again in the fall for our September chapter meeting.

Sincerely,  
Victoria Kramer, PE  
Twin Tiers Chapter President

Chapter President



Victoria Kramer  
(607) 321-6127  
[Email Me!](#)

2022-2023 Chapter Officers

**President-Elect**  
Dana Ehrets  
(315)920-0487  
[Email Me!](#)



**Vice President**  
Alison Kran  
(631)806-5977  
[Email Me!](#)



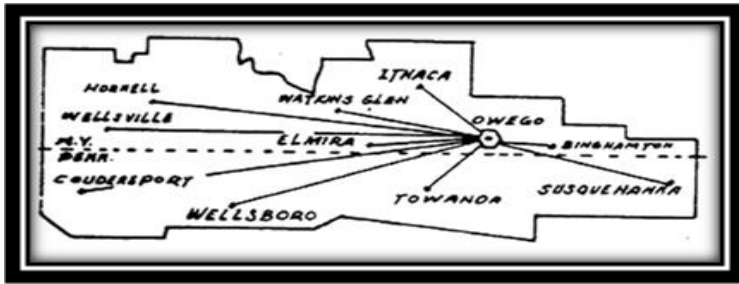
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Robert J Vanskiver  
(585)472-6146  
[Email Me!](#)

**Secretary**  
Ibrahima Balde  
(607)723-9421  
[Email Me!](#)



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

## Twin Tiers Chapter

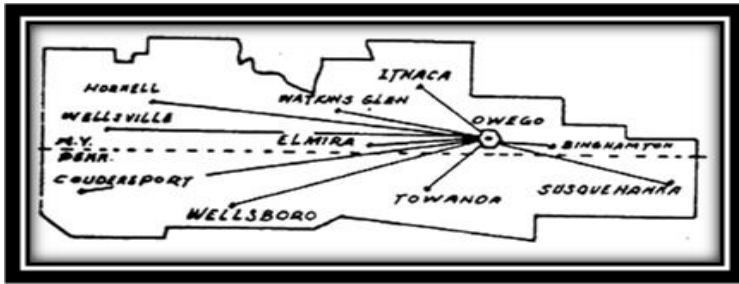
### Presidential Award of Excellence (PAOE)

	Chapter Operations	Chapter Technology Transfer	Electronic Communications	Grassroots Government Activities	Historical	Membership Promotion	Research Promotion	Student Activities	Young Eng. In ASHRAE
<b>MIN/ PAR</b>	600/1200	550/1050	300/700	500/650	100/300	500/800	800/1050	500/800	300/800
<b>Current</b>	2700	3250	1285	1000	615	1685	1395	1215	1625

POINTS CURRENT AS OF 6/12/2023

### Chapter Committee Chairs

<b>Technology Transfer</b> Dana Ehrets (315) 920-0487 <a href="#">Email Me!</a>	<b>Government Activities</b> Adam Keller (315) 484-9526 <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> Victoria Kramer (607) 321-6127 <a href="#">Email Me!</a>	<b>Meeting Reception</b> Rob VanSkiver (585) 591-8168 <a href="#">Email Me!</a>	<b>H.O. Ward Scholarship</b> Richard Sanguinito (607) 231-6605 <a href="#">Email Me!</a>
<b>Research Promotion</b> Michael McGinnis 607.727.3168 <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> Jason Gilbert (607) 777-2240 <a href="#">Email Me!</a>
<b>Honors &amp; Awards</b> Victoria Kramer (607) 321-6127 <a href="#">Email Me!</a>	<b>Historian</b> Richard Sanguinito (607) 231-6605 <a href="#">Email Me!</a>	<b>Symposium– Fall/Spring</b> Alison Kran (631)806-5977 <a href="#">Email Me!</a>	<b>Auditing</b> Rick Sanguinito & Andrew Nice (607) 231-6605 / 607-760-5960 <a href="#">Email Me!</a>
<b>Webmaster</b> Petros Papathomopoulos (607) 723-9421 <a href="#">Email Me!</a>	<b>Newsletter Editor</b> Andrew Nice 607-760-5960 <a href="#">Email Me!</a>	<b>YEA: Young Engineers</b> Kyle Nedlik (607) 321-6100 <a href="#">Email Me!</a>	<b>Sustainability</b> Kevin McKeon & Makayla Jackson (607)834-0734 / <a href="#">Email Me!</a> / <a href="#">Email Me!</a>



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Twin Tiers Chapter– Monthly Meeting Information

*2022-2023 Meeting Dates:*

Date:	Speaker	Tech Session Topic, Tour or Meeting Info	Attendance:
20-Sep	David Bennett, Dristeem	Presentation: Humidification 101 Theme: YEA Bingo & RP	-
Oct-18	Andrew Taranto Jason Gilbert	Tour of BU Baseball Complex Theme: Student Night	-
15-Nov	Cornell University Team	District Hot Water Conversion & Cornell University Borehole Observatory Theme: Past President’s Night, Donor Recognition, & History Night	-
20-Dec	Distinguished Lecturer: Luke Leung. P.Eng., Fellow ASHRAE, LEED® Fellow, BEMP	The New Carbon Standards: Net Zero Operational, Em- bodied, Whole Life and Upfront Energy (Carbon). Theme: Sustainability	-
17-Jan	Nick Goldsmith	Ithaca Green New Deal & Energy Code Supplement Theme: Government Affairs & Environmental	-
28-Feb	Ray Hickey, Efficient Air Systems	HVAC Pool Dehumidification Theme: YEA & Student Night	-
28-Mar	Eric Kravitz, HVAC Distributors	New Refrigerant (R-32) Training Theme: Membership Promotion	-
18-Apr	Multiple/TBD	Spring Engineering Symposium—Daytime	-
16-May	Cornell University	Olin Hall Tour Theme: Sustainability	-
13-Jun	None	<b>Golf Tournament</b>	-

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



# 2023 Business Cards



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

o 607-231-6605  
c 607-222-3509  
f 607-231-6650  
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[www.delta-eas.com](http://www.delta-eas.com)



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Email: [joe.o'hara@camfil.com](mailto:joe.o'hara@camfil.com)  
[www.camfil.com](http://www.camfil.com)

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



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

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email: [jparisella@popligroup.com](mailto:jparisella@popligroup.com)  
main: 607.238.5888  
fax: 607.338.1288  
45 Lewis Street • Binghamton, NY 13901



**Rob VanSkiver**  
H&V Equipment Sales  
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Phone: 607-260-0260  
Howard Cabezas, PE | President

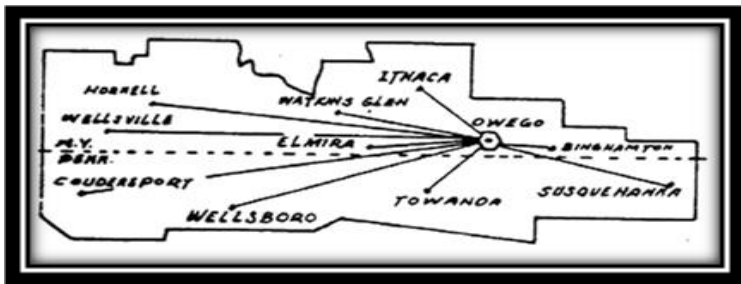
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## RESEARCH PROMOTION



Dear ASHRAE Twin Tiers Member or Research Promotion (RP) Supporter,

As the RP Chair and a fellow member of the Twin Tiers Chapter, I wanted to personally ask you for your help in supporting ASHRAE Research. ASHRAE’s research program, established in 1912, supports 140 research projects with a combined value of more than \$15 million. Research focus includes energy and resource efficiency, indoor environmental quality, design, operation and management tools, alternative technologies, and materials and equipment. The past three years in particular, research dollars have been used to help study and provide recommendations to prevent the transmission of COVID-19.

For Research Information please see the following flyer:

[ASHRAE RP Informational Flyer](#)

You can either donate directly with a credit card, see link below:

[ASHRAE RP: https://xp20.ashrae.org/secure/researchpromotion/rp.html](https://xp20.ashrae.org/secure/researchpromotion/rp.html)

or send a check to:

ASHRAE Research Promotion  
 Attn: Julia Mumford  
 180 Technology Parkway  
 Peachtree Corners, GA 30092

**Make check payable to “RP Donation-ASHRAE Twin Tiers”**

The chapter sends a huge **Thank You** to the following who have donated for the 2021-2022 chapter year:

Company Donations:

- *Southern Tier Custom Fabricators – Honor Roll*
- *Trane Company*

Individual Donations:

- |  |                                    |
|--|------------------------------------|
| • <i>Victoria Kramer – Full Circle</i>           | • <i>Adam Keller - Full Circle</i> |
| • <i>Alison Kran – Full Circle</i>               | • <i>Ray Millard</i>               |
| • <i>Andy Gimbar</i>                             | • <i>Glenn Roberts</i>             |
| • <i>Dana Ehrets – Full Circle</i>               | • <i>Louis Vogel</i>               |
| • <i>Mike McGinnis – Honor Roll, Full Circle</i> | • <i>Mark Mattina</i>              |
| • <i>Devin Shapley – Full Circle</i>             |                                    |

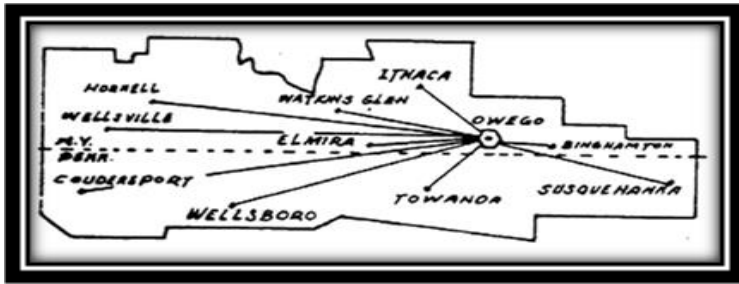
**As a reminder, starting 7/1/2019, Honor Roll level contributions listed in ASHRAE's October Journal Issue start at \$150.00 for individuals and \$500.00 for companies. Honor Roll level is required to achieve the ASHRAE coin.**

Email me or come see me (virtually) at a Chapter Meeting if you have any questions.

Mike McGinnis

Twin Tiers Research Promotion Chair

[Email Me](#)



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## Twin Tiers ASHRAE H.O. Ward Scholarship



By  
Rick Sanguinito Historian 2022-2023

### H. O. WARD SCHOLARSHIP

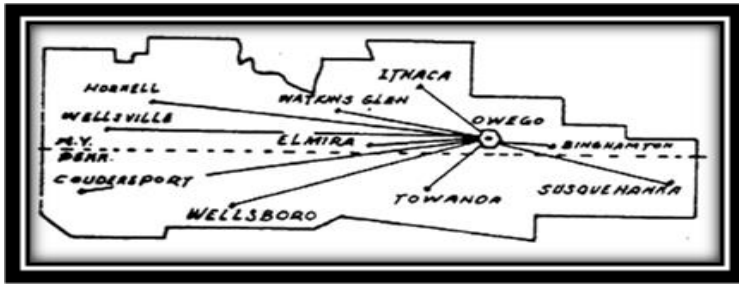
Date: May 15, 2023

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

- Suniti Patel                      \$1,000 Scholarship
- Baiyina Richardson        \$500 Scholarship
- Hugh White                     \$500 Scholarship

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.



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## Twin Tiers Annual Golf Tournament!



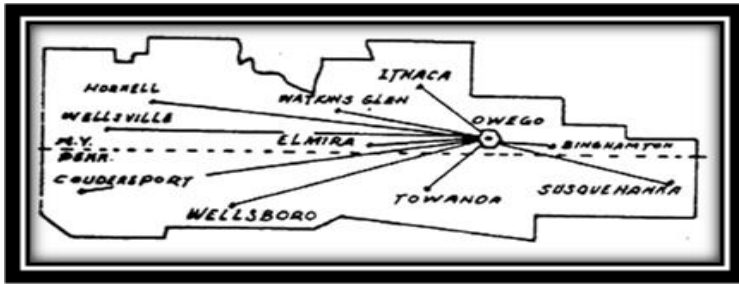
**THANK YOU TO ALL OUR  
SPONSORS AND TEAMS!  
WE'LL SEE YOU TOMORROW  
AT THE LINKS!**

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

The date for the annual golf tournament and clambake is **Tuesday, June 13.** 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. With its great success over the past few years, the putting contest (sponsored by Meier Supply & LG) will also be returning.

The clambake will take place immediately after golf, approximately 4pm. The menu will include 2 dozen steamed clams per person, thin sliced ribeye steak sandwiches with sautéed onions/peppers/mushrooms, chicken spiedies, 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.

As always, the golf committee is looking for donations for door prizes and giveaways. Please contact [Travis Fisher](#) with any questions.



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## Twin Tiers ASHRAE Chapter Survey



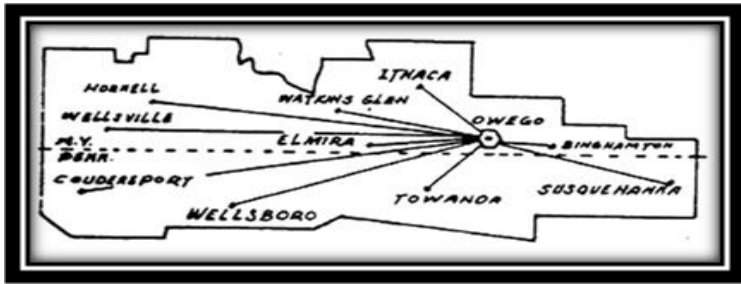
## ASHRAE Chapter Improvements & Interests Survey

Please take a minute and fill out our short survey:  
(<https://forms.gle/wieXptpS4JWxzcvN9>)

This will help our board tailor future programs and meetings to member interests.

All ideas and recommendations are welcomed and encouraged!





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## What Were They Thinking???



**Interesting new hood usage!**

**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. \*\*\***

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**SYRACUSE OFFICE**  
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SYRACUSE, NY 13209  
PH: 315.484.9048



**Mike McGinnis**  
Sr. Sales Engineer  
Equipment Business Unit  
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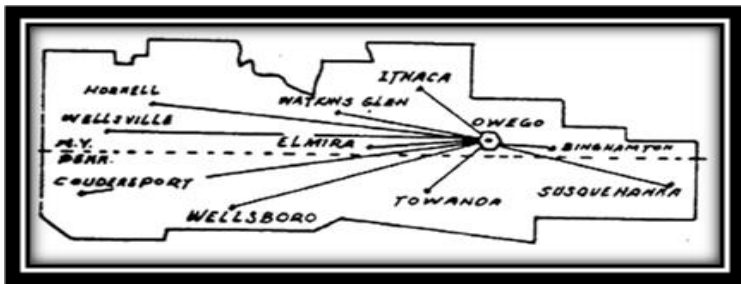
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## TRAINING



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

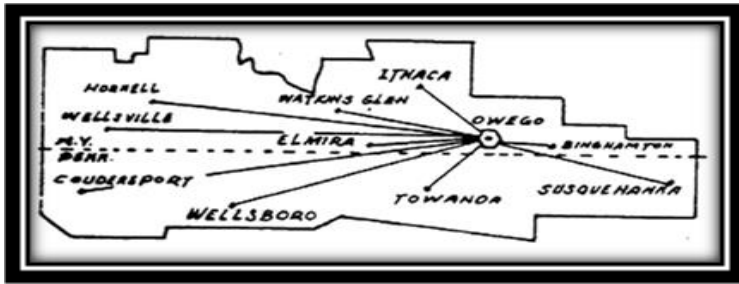
As a licensed professional in New York State, it is your professional responsibility to know the legal and ethical requirements governing the practice of your profession and to be alert to changes in those requirements. The New York State Board for Engineering and Land Surveying, in an effort to help 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>



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## TRAINING



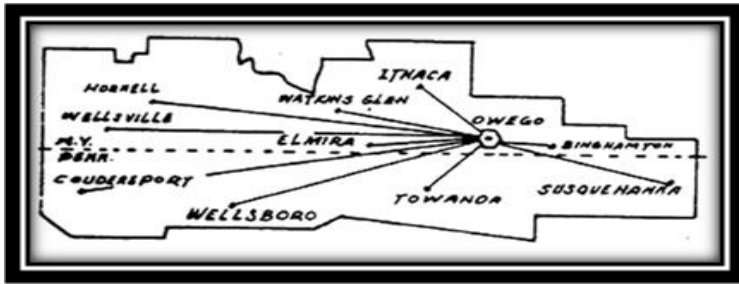
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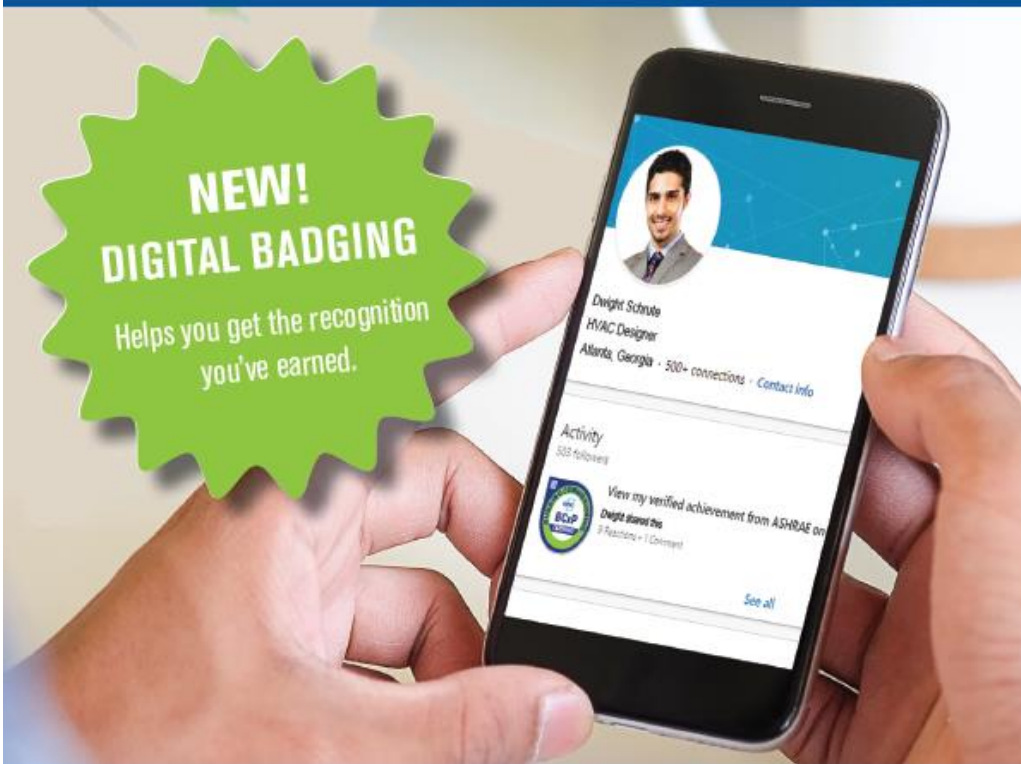


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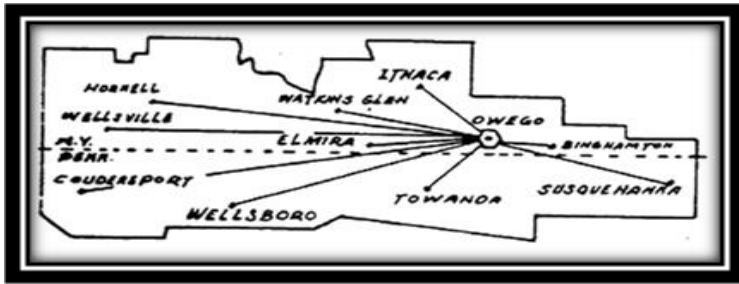
# ASHRAE Certification

Advance Your Career Today!



With already more than 3,000 certifications earned to-date, ASHRAE programs were founded to meet the industry needs of today and provide value to thousands of built-environment professionals, employers and building owners.

[ashrae.org/certification](http://ashrae.org/certification)



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### Certified HVAC Designer (CHD)



- The CHD certification validates competency of an HVAC Designer, working under the responsible charge of an engineer, to design HVAC systems to meet building/ project requirements, including load calculations, equipment selection and sizing, mechanical equipment room design, duct and piping design and layout for the development of HVAC plans for permit and construction.
- In an Industry Need survey, ASHRAE member respondents who influence the hiring decision agree the CHD is a tool to identify competent new hire prospects.

### High-Performance Building Design Professional (HBDP)



- The HBDP certification validates competency to design and integrate sustainable HVAC&R systems into high performing buildings.
- Today's building design market requires use of ground-breaking technologies in new and existing structures to meet the need of building owners.

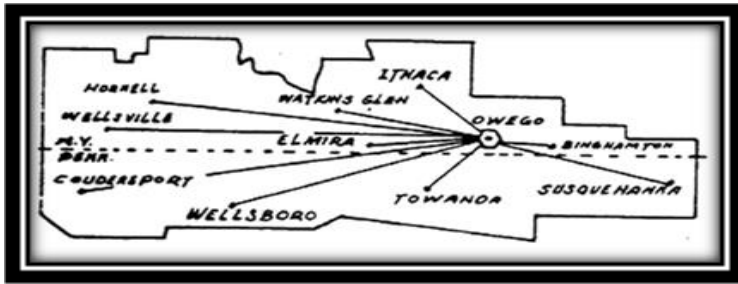
### Building Energy Modeling Professional (BEMP)



- The BEMP certification validates competency to evaluate, select, implement, calibrate and interpret the results of energy modeling software when applied to new and existing building and systems energy performance.
- The BEMP certification complements ASHRAE's Building Energy Quotient (BuildingEQ) program by helping to ensure that only qualified practitioners can submit As Designed Workbooks to receive building ratings from ASHRAE.

*"Because of the high level of expertise, professionalism and ethics demonstrated by ASHRAE, achieving certification under their established requirements implies one of the highest levels of competence and knowledge available in the industry."*

Jeffrey G Ross-Bain, BCxP, BEMP, Ross-Bain Green Building, LLC



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### Building Commissioning Professional (BCxP)



- The BCxP certification validates competency to lead, plan, coordinate and manage a commissioning team to implement commissioning processes in new and existing buildings.
- Recognized by the U.S. Department of Energy (DOE) as meeting the Better Buildings Workforce Guidelines (BBWG).

### Healthcare Facility Design Professional (HFDP)



- The HFDP certification validates competency to incorporate standards, guidelines as well as unique healthcare facility requirements and design principles in HVAC system design.
- Advances in technology, shifting environmental requirements and an increasingly older population have created a critical need for expansion and renovation of healthcare facilities.

### Building Energy Assessment Professional (BEAP)

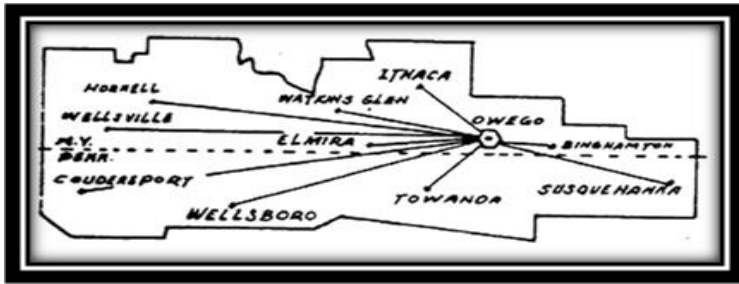


- The BEAP certification validates competency to assess commercial building systems and site conditions, analyze and evaluate equipment and energy usage, and recommend strategies to optimize building resource utilization.
- The BEAP certification is integral to ASHRAE's Building Energy Quotient (BuildingEQ) program by helping to ensure that only qualified practitioners can submit In Operation Workbooks to receive building ratings from ASHRAE.
- Recognized by the U.S. Department of Energy (DOE) as meeting the Better Buildings Workforce Guidelines (BBWG).

### Operations & Performance Management Professional (OPMP)



- The OPMP certification validates competency to manage facility operations and maintenance to achieve building performance goals, including those related to indoor environmental quality, health and safety.
- Staying current with the latest facility operation strategies and technologies can reduce energy use in buildings by 10% to 40%.



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## The Benefits of an ASHRAE Certification

### Value for Certification Earners

- ✓ Validation of specialized knowledge, skills and ability
- ✓ Unparalleled recognition
- ✓ Career development

### Value for Employers

- ✓ Identify and recruit qualified professionals
- ✓ Elevated credibility among customers
- ✓ Greater employee job satisfaction

## Easy Steps to ASHRAE Certification

### 1. Read the *Candidate Guidebook*

Visit [ashrae.org/certification](http://ashrae.org/certification) and download the guidebook for the program in which you are interested.

### 2. Complete the Application

The ASHRAE Member discounted application fee is \$395 (non-member – \$545).

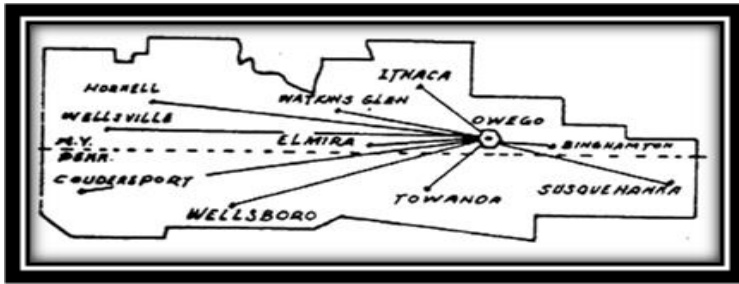
### 3. Schedule an Examination

Certification examinations are offered at over 300 conveniently located computer-based testing centers worldwide.

### 4. Renew the Certification

Each certification is renewable every three years.

**[Certification@ashrae.org](mailto:Certification@ashrae.org) | 1-678-539-1105**



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## Very High Efficiency HVAC—NYERDA Pilot Program

### Opportunity to Participate

NYERDA has created a program to demonstrate extremely advanced HVAC systems in 15 existing small and medium commercial buildings in New York State. Administered by the Institute for Market Transformation, the program is actively seeking participants for 2021. NYERDA funds HVAC demonstration programs to find practical solutions for building owners that will help New York meet its climate commitments.

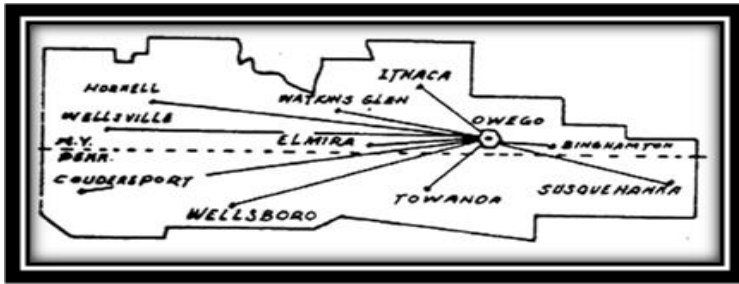
### Why Participate?

Right now, tenants, staff, and customers are demanding increased ventilation to feel safer in buildings. In most HVAC systems, this means a tradeoff between fresh air and operating costs. With Very High Efficiency HVAC (VHE HVAC), the system provides 100% highly filtered outside air, improving air quality while also dramatically reducing energy bills.

### How Does It Work?

VHE HVAC is a systems approach that combines high-efficiency equipment with heat recovery, a dedicated outdoor air system, advanced filtration, and airflow segregation that limits the spread of contaminants. Developed by the Northwest Energy Efficiency Alliance, VHE HVAC was tested between 2015 and 2018 in eight, [rigorously-documented](#) demonstration sites in the Pacific Northwest. The resulting HVAC savings ranged from 48%–89%.

Building Type	Energy Savings
Airport terminal office	89%
Government district office	73%
Government dorms	77%
Law office	75%
Pizza restaurant	51%
Restaurant	77%
Seattle office	69%
Utility district office	48%



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“There was definitely a noticeable difference—this was a much more comfortable environment. Other people in areas that hadn’t yet been converted kept asking ‘When are we getting our air fixed?’”

Ryan McCormick  
 Chief Engineer  
 Oregon Department of Fish & Wildlife

### What Buildings Are Eligible?

VHE HVAC is a total system replacement. The pilot is open to commercial buildings six stories or less with heating and cooling provided by packaged rooftop or small unitary systems that are at the end of their service life and planning to be replaced. Buildings higher than six stories with floors that have self-contained HVAC systems will also be considered as will multifamily residential buildings with construction suitable for installing ductwork to distribute ventilation air through chases and plenums. Excellent applications for VHE HVAC are office, retail, lodging and educational buildings.

### What Do Participants Receive?

Participants will receive applicable utility incentives, 15% discounts on equipment, technical assistance from start to finish, detailed monitoring data, increased net operating revenue, and brand and media recognition. VHE HVAC also helps ensure compliance with current and planned building regulation, such as New York City’s Local Law 97.

### What Are Participants Obligated to Do?

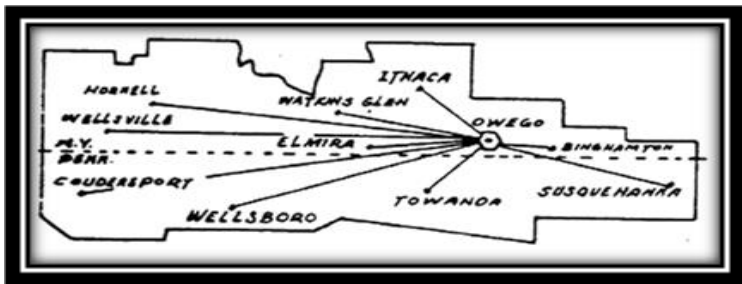
- Meet all VHE HVAC specifications
- Provide access to design and installation teams
- Allow installation of NYSERDA-provided monitoring equipment
- Provide pre- and post-installation utility bills, the cost of installation and alternate bids, and access to facility maintenance staff and selected tenants for interviews

### Partners

The Institute for Market Transformation is partnering with manufacturers Fujitsu and Ventacity Systems to procure the equipment for this pilot program.

For details on the pilot program and how to participate, contact [vhehvac@imt.org](mailto:vhehvac@imt.org).

Learn more at [www.imt.org/very-high-efficiency-hvac/](http://www.imt.org/very-high-efficiency-hvac/).



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## SUSTAINABILITY ARTICLE

Building decarbonization plays a key role in a sustainable future. ASHRAE is currently releasing a four-part video series on this topic. The four modules cover the following:

- ◆ Overview and terminology
- ◆ Global impact and embodied carbon issues
- ◆ The involvement of ASHRAE in building decarbonization
- ◆ Pathway to decarbonization

So far, the first two modules have been released. If you are interested in watching, here is the link to Decarb 101 Part One and Part Two:

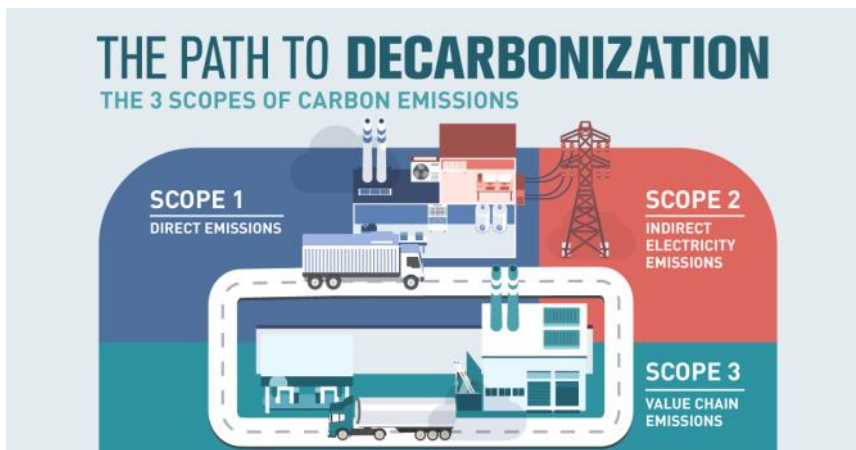
<https://www.ashrae.org/about/decarbonization-101-a-four-part-video-series>

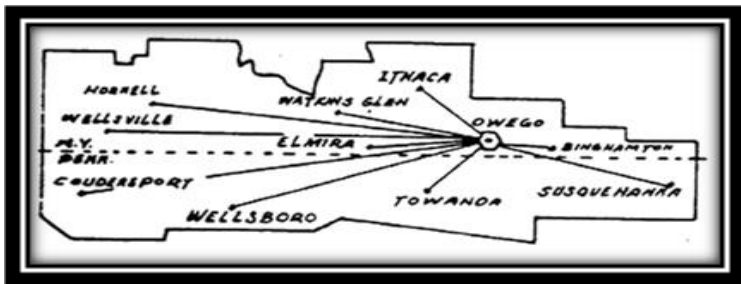
Also, there are seven guides on decarbonization that are planned to be released in 2023-2024, one of which is already available. The subjects include:

- ◆ *Building Performance Standards: A Technical Resource Guide*
- ◆ *CIBSE TM65 for North America*
- ◆ *Grid Interactive Buildings for Decarbonization: Design and Operation Resource Guide*
- ◆ *Whole Life Carbon Guide for Building Systems*
- ◆ *Decarbonizing Hospital Buildings*
- ◆ *Building Decarbonization Retrofits for Commercial and Multifamily Buildings*
- ◆ *Heat Pump Application, Design, and Operation Guide*

For more information on these guides and the expected release dates, please check out the following link:

<https://www.ashrae.org/about/tfbd-upcoming-guides>





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## Twin Tiers Chapter– Employment Opportunities



Cornell University

### Central Energy Plant Engineer

#### **Position Summary**

The purpose of this position is to provide support to the central energy plants to ensure reliable, safe and efficient operation. This support includes: project management, engineering, and technical oversight for the highly complex maintenance and operation of Cornell’s electric, steam, chilled water, and potable water production facilities, and the associated distribution systems. All work is conducted within the context of systems which must remain in continuous operation at all times.

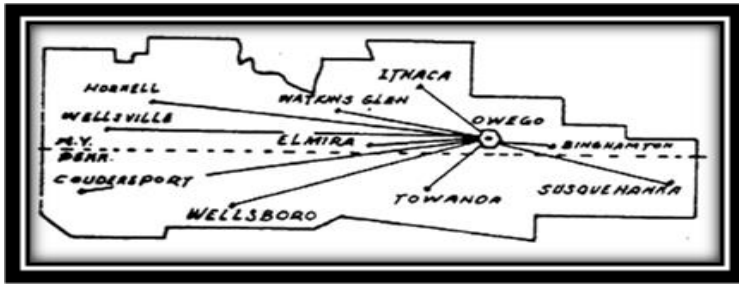
Work closely with the central energy plant manager, other thought leaders, and technical specialists in support of all maintenance and operations activities to assure continued reliable operation of equipment, effective processes and reliable delivery of all utilities. Perform periodic inspections of central plant equipment and systems, document conditions and communicate necessary maintenance or recommended upgrades. Conduct or manage studies, surveys, and analyses of plant and distribution systems. Provide designs for repairs requiring engineering input, monitor and check the designs being performed by others, prepare instructions and documentation of work to be performed, coordinate and oversee the scheduling, layout, and installation of mechanical, electrical, and control systems. Prepare commissioning plans and supervise the commissioning of systems. Assist with management of plant documents and drawings to ensure access to records for all systems and structures. Provide staff training as necessary. Provide engineering support as needed for other department initiatives. Be available on a 24/7/365 basis for emergencies.

#### **Required Qualifications:**

- Bachelor of Science in Engineering or related field.
- Ability to secure the New York State Professional Engineering license (after obtaining necessary experience).
- Demonstrates the divisional values of truth, respect, teamwork, integrity, and excellence. This includes such behaviors as the demonstrated ability to give and receive feedback, communicate honestly, listen, respect others, learn from mistakes, set high goals and achieve them, overcome obstacles, uses time effectively, sets priorities, and participates effectively on teams.
- Is highly motivated and exhibits innovation, good judgment and reliability in the workplace.
- Ability to work in an environment that includes high ambient temperature, noise, and dust.
- Ability to safely work with chemicals, high temperature/pressure steam, confined spaces, and other potential hazards.
- Must be able to climb stairs, ladders, and work with heights.

For more information please follow the link below:

[CLICK HERE!](#)



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

## Twin Tiers Chapter– Employment Opportunities



Cornell University

### Senior Mechanical Designer

#### Position Summary

This job provides the opportunity to work in a team environment with staff who take great pride in the work that they perform on projects that keep Cornell at the cutting edge of research and education. This includes the opportunity to be involved at the building level through the design of new sustainable facilities and building deep energy retrofits. The position includes, but is not limited to, design of HVAC, plumbing and fire protection systems, as well as upgrades to building controls and other infrastructure.

The Sr. Mechanical Designer (Facilities Designer II) designs HVAC, fire protection, and plumbing systems, as well as generates plans and specifications for maintenance, repair, and alteration projects within the Facilities Engineering Mechanical Design Section. The Sr. Mechanical Designer also estimates costs for mechanical systems designs, and organizes design and drafting efforts to deliver designs within project budgets and schedules.

The Sr. Mechanical Designer will perform design construction administration of projects by attending job meetings, facilitating communication and conducting field inspections. They will also initiate vendor contacts as required to select and specify equipment. Assist with the preparation of the mechanical Engineer's reports to present results to clients. The Sr. Mechanical Design manages design of mechanical and multidisciplinary projects of low to medium complexity.

The Sr. Mechanical Designer will review consultant designs, to ensure adherence to Cornell Design and Construction Standards.

The Sr. Mechanical Designer will provide technical and financial analysis, including design reviews, for projects managed throughout the University. The Sr. Mechanical Designer will develop and/or update University design and construction standards related to their field of expertise.

All employees are accountable for supporting the organization's values of truth, respect, excellence, teamwork, and integrity, as well as supporting inclusive and sustainable practices in carrying out everyday responsibilities.

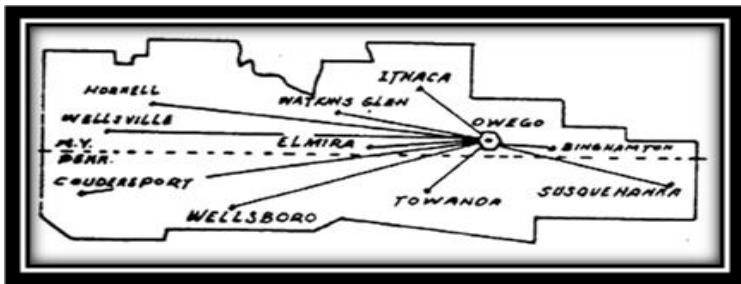
Cornell University provides excellent benefits that include professional development, access to many wellness programs, employee discounts with local and national retail brands, health care options, and generous paid leave provisions: 3 weeks of vacation, health leave, personal leave, 13 paid holidays (including end of year winter break), and great retirement options. Cornell has also been nationally recognized as an award-winning workplace for our health, wellbeing, sustainability, and diversity initiatives.

#### Required Qualifications:

Associate's Degree (2 years minimum) in mechanical engineering technology, construction technology or related field and at least 5 years relevant experience in design of HVAC, plumbing, and fire protection systems, or equivalent combination of education and experience. Working knowledge of current codes and industry standards in discipline (NYS Building Codes, ASHRAE, ASME, NFPA). Technical knowledge of design and construction industries. Must be knowledgeable of building mechanical systems and construction estimating. Ability to comprehend construction drawings and specifications. Experience with writing technical specifications. Ability to participate effectively in teams, set priorities, and exercise good judgment. Ability to participate in multiple projects with varying scope. Must possess effective organizational, prioritization and multi-tasking skills. Must possess effective oral & written communication, interpersonal, and organizational skills. This position does not have assigned supervisory authority; however, will work directly with support personnel (outside consultants, other FE Design Sections) while providing functional direction on designs. The position requires frequent construction site visits where odors, dust, noise or physical hazards are present. Must have and maintain a valid driver's license; may be required to operate a motor vehicle (your own vehicle or Cornell-owned) to travel to/from job sites.

For more information please follow the link below:

[CLICK HERE!](#)



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

## Twin Tiers Chapter– Employment Opportunities



# McFarland Johnson

100% Employee Owned

## Mechanical Design Engineer

McFarland Johnson (MJ) is a 100% employee-owned, innovative infrastructure consulting firm, specializing in planning, design, environmental services, technology, and construction services. Recently named a 2022 Best Firms to Work For and a 2022 Hot Firm by the Zweig Group for being one of the top 100 fastest-growing A/E/C firms, MJ currently has more than 180 employees across 14 offices. MJ's employee-owners seek to change our world for the better through sustainable and innovative infrastructure solutions. We are a people-centric company guided by the belief that employee owners are more committed to delivering quality services.

MJ currently has opportunities for a Mechanical Engineer or Mechanical Designer with proven skills and design experience in HVAC, fire protection, plumbing and commissioning systems.

Primary responsibilities involve working on a diverse spectrum of projects ranging in size and complexity from small commercial, health care, educational and industrial projects to large public and private building engineering projects.

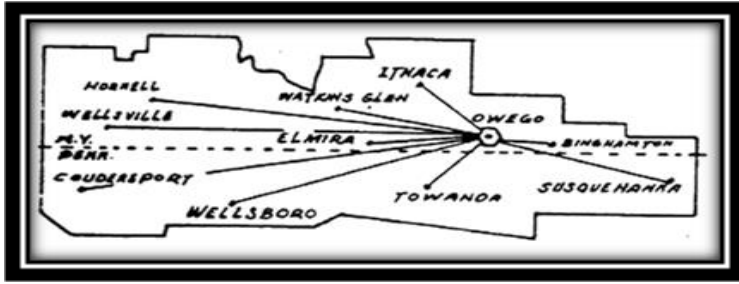
### **Successful candidate will have:**

- 1-5 years of HVAC, plumbing & fire protection design experience in commercial, industrial & institutional building facilities
- Revit/2D-3D CAD design/drafting experience required
- Technical skills in design, heat loss/gain calculations (Trane Trace a plus) & experience using various building codes including: IBC, BOCA, ASME, ANSI, ASHRAE & NFPA codes.
- Sustainable design experience with LEED accreditation are assets
- Excellent organizational & interpersonal communication skills required in order to understand client needs, work effectively in a team setting & meet project schedules
- Must be results oriented, with strong problem solving & decision making skills Mechanical Engineering Degree, minimum of an AAS required, BS with PE track preferred.

For more information please follow the link below:

[CLICK HERE!](#)

[Click Here to Email for More Info!](#)



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, 2022.
  - New subscription will run the calendar year 2023.
    - Cost to advertise for the 2023 year is \$50.
- Sign up now for the 2023 year On Pay Pal <http://twintiers.ashraechapters.org/page-newsletter.html>

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:Andrew.Nice@meiersupply.com).

From Web site please visit: <http://twintiers.ashraechapters.org/page-newsletter.html>

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

### **Business Card Advertising 2023**

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 2023. This is a great opportunity to get your name and business in front of the over 250 subscribers to our chapter newsletter. The price for the newsletter only is \$50 for the entire 2023 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:Andrew.Nice@meiersupply.com)

**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  
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Ithaca, NY 14851-6706