



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 2023-2024



Shaping Tomorrow's Built Environment Today

November Meeting

Nov. 21, 2023

Indoor Cannabis Grow Room Design (1 PDH):

Chuck Nora & Paul Stewart, Desert Aire

TWIN TIERS TALK



To register, visit the Chapter website:

<https://twintiersashrae.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
History Reports	6
Monthly Meeting	9
Training Events	12
Sustainability Article	20

Chapter President



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

2023-2024 Chapter Officers

President-Elect

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



Vice President

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



Treasurer

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



Secretary

Kevin McKeon (607) 834-0734 [Email Me!](#)



President's

Corner

Hello ASHRAE Twin Tier Members,

It was the peak of summer, I blinked, and now we are amidst the holiday season!

This past month has offered our ASHRAE community some new and exciting events.

October Meeting: Thank you to Braydon Whittington and Evan Crawley from Price Industries for providing a virtual PDH presentation on VAV Applications and strategies to help streamline the engineering design process and minimize submittal review.

YEA Contractor Panel: I was able to join Jay Green, Maura Cahill and Mike McGinnis on our contractor panel for great discussions focused around the contracting side of the industry. Kyle Nedlik and Victoria Kramer hosted us at Coppertop, and we were joined by over 30+ students and industry professionals.

WIA: We held our 2nd Women in ASHRAE virtual meeting where we discussed the benefits of embracing one's authenticity, advantages to having diversity in the workforce and knowing what to prioritize when juggling family, health, work, and all things in-between.

UP NEXT! There is still a lot to come before the 2023 year comes to a close.

November Hybrid Meeting on Tuesday 11/21 where Chuck Nora and Paul Stewart will present on Indoor Cannabis Grow Room Design. This meeting will also be **Past President's Night**. Link for details and registration: <https://twintiersashrae.org/meetinginfo.php?id=29&ts=1699966955>

WIA Virtual Meeting on 11/30 to share thoughts on "Women at Work" Podcast <https://twintiersashrae.org/WIA>

Diversity, Equity, and Inclusion Panel on 12/5. Registration and details to come.

Decarbonization Challenge: Our sustainability chair, Makayla Jackson, and committee are working with Koepernik Observatory & Science Center to submit a project for potential funding through ASHRAE's Decarbonization Challenge. If you would like to get involved, please reach out. More details to come! [YEA Decarb Initiative | ashrae.org](#)

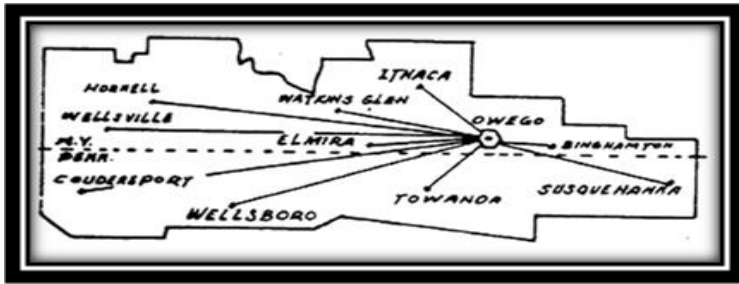
Our board of governors are focused on enriching your experience as members, so we are always open to feedback on our current events and how we can better serve you. Feel free to reach out to any of us if you have ideas or would like to get involved.

Thank you all for your support and we look forward to connecting soon!

Sincerely,
Dana Ehrets
Twin Tiers Chapter President

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

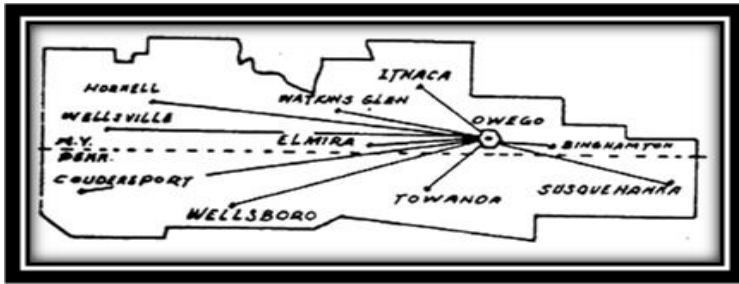
Presidential Award of Excellence (PAOE)

	Chapter Operations	Chapter Technology Transfer	Electronic Communications	Grassroots Government Activities	Historical	Membership Promotion	Research Promotion	Student Activities	Young Eng. In ASHRAE
MIN/ PAR	600/1500	550/1500	300/700	500/1250	100/500	1000/1600	800/1050	500/800	300/900
Current	350	250	675	50	245	300	80	310	850

POINTS CURRENT AS OF 11/20/2023

Chapter Committee Chairs

Technology Transfer Alison Kran (631)806-5977 Email Me!	Government Activities Adam Keller (315) 484-9526 Email Me!	Refrigeration Kevin McKeon (607) 834-0734 Email Me!	Golf & Clambake Outing Travis Fisher (607) 972-1342 Email Me!
Membership Promotion Ben Nemec (607) 760-0449 Email Me!	Nominating Victoria Kramer (607) 321-6127 Email Me!	Meeting Reception Ibrahima Balde (607)723-9421 Email Me!	H.O. Ward Scholarship Richard Sanguinito (607) 231-6605 Email Me!
Research Promotion Michael McGinnis (607) 727-3168 Email Me!	Student Activities Jason Gilbert (607) 777-2240 Email Me!	Diversity in ASHRAE Mohammed Khalil (347) 982-5490 Email Me!	Albern Education Fund Jason Gilbert (607) 777-2240 Email Me!
Honors & Awards Victoria Kramer (607) 321-6127 Email Me!	Historian Richard Sanguinito (607) 231-6605 Email Me!	Symposium– Fall/Spring Robert J Vanskiver (585)472-6146 Email Me!	Auditing Rick Sanguinito & Andrew Nice (607) 231-6605 / (607) 760-5960 Email Me!
Webmaster Victoria Kramer (607) 321-6127 Email Me!	Newsletter Editor Andrew Nice (607) 760-5960 Email Me!	YEA: Young Engineers Kyle Nedlik (607) 321-6100 Email Me!	Sustainability Makayla Jackson (607) 232-5351 Email Me!



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

Twin Tiers Chapter– Monthly Meeting Information

2023-2024 Meeting Dates:

Date:	Speaker	Tech Session Topic, Tour or Meeting Info	Attendance:
19-Sep	Tour Guide: George Slavik III, Slavik & Co. Presenter: Al Daniels, IPD Engineering	Tour: Victory Building Presentation: Victory Building Theme: Student Activities	-
17-Oct	Presenters: Braydon Whittington & Evan Crawley, Price Industries	Virtual Presentation: Sizing Single Duct and Fan Powered Terminals for VAV Applications	-
21-Nov	Presenter: Chuck Nora & Paul Stewart, Desert Aire	Presentation: Indoor Cannabis Grow Room Design Theme: Past President’s Night	-
19-Dec	Presenter:	Presentation: Estimating with Trophy Point Theme:	-
16-Jan	Presenter: TBD	Presentation: TBD (Sustainability Based) Theme: Sustainability/Environmental	-
20-Feb	Presenter:	Presentation: NYS Climate Policy & HVAC Theme:	-
18-Mar	Presenter:	Presentation: Recruiting & Retention of the next Generation - Gen Z Theme: Student Activities	-
16-Apr	Presenters: Multiple	Spring Symposium	-
21-May	Presenter: TBD	Presentation: TBD (Refrigeration Based) Theme: Refrigeration	-
18-Jun	None	Golf Tournament	-

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
rsanguinito@delta-eas.com
860 Hooper Road
Endwell, NY 13760
www.delta-eas.com



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



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



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

Manufacturers' Representatives
Air Distribution
Mechanical Equipment
HVAC Warehouse

www.hvgroup.us



Cabezas Engineering, PLLC

New York State Certified MBE Firm

Mechanical, Electrical, and Plumbing Engineering

5510 County Road 14, Alpine NY 14805
Howard@cabezasengineering.com
www.cabezasengineering.com
Phone: 607-260-0260
Howard Cabezas, PE | President

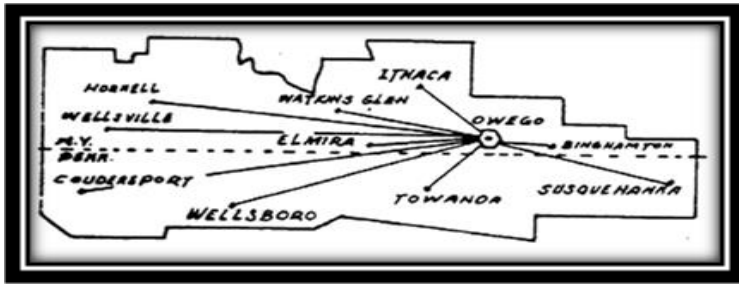
YOUR BUSINESS CARD COULD BE HERE!

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



Contact Andrew Nice for more Info!
607-760-5960
anice@meiersupply.com

Only \$50 per Year!



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

HISTORY




Chapter Historian Richard R. Sanguinito
Twin Ties Chapter # 129

Delta Engineers, Architects, and Land Surveyors
rsanguinito@delta-eas.com

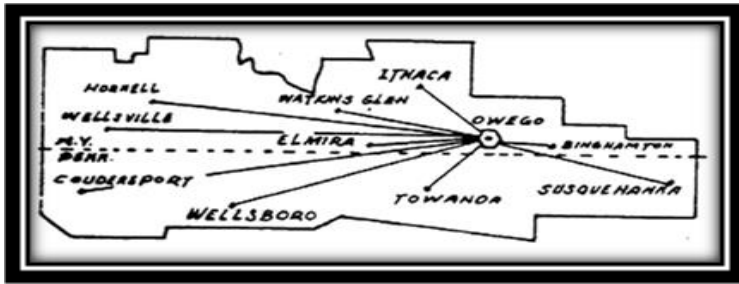
CHAPTER TIMELINE 2023-2024

SEPTEMBER 19, 2023 – ASHRAE TWIN TIER SEPTEMBER CHAPTER MEETING

Event	VICTORY BUILDING IN JOHNSON CITY	
Time	5:00 PM	
Location	Victory Building, Johnson City, 59 Lester Ave, Johnson City, NY 13790	
Activity	Tour of the Victory Building in Johnson City, followed by a dinner presentation at Binghamton University, Health Science Building (Johnson City Campus).	
Presenter	George Slavik III, Slavik & Co Inc. will be giving a tour Presentation by Al Daniels, PE, LEED AP, CBCP, CPD, Principal at IPD	
Description	Join us for our first 2023-2024 Meeting on Tuesday, September 19th with a tour of the Victory Building in Johnson City, followed by a dinner presentation at Binghamton University, Health Science Building (Johnson City Campus).	
Menu:	Dinner Buffet Options: <ul style="list-style-type: none"> o Caesar salad with homemade croutons o Tofu Pad Thai o Sautéed Chicken Marsala o Oven Roast Herbed Red Potatoes o Balsamic Herb Roasted Vegetables o Assorted Cookies & Brownies o Unsweetened Ice Tea, Coffee, Hot Tea 	
Agenda:	5:15 - 5:30 - Registration & Check-In - Victory Building 5:30 - 6:30 - Building Tour - Victory Building 6:30-7:00- Time reserved to relocate to Dinner location (BU Health Science Building) and re-group 7:00 - 8:00 - Dinner, Chapter Announcements & Project Presentation - HS HSB 301	



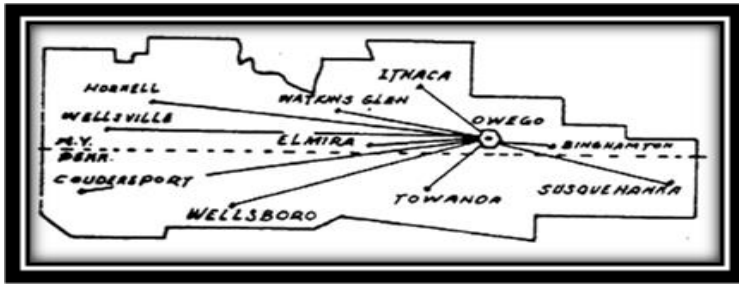
Attendees: 28 were in attendance for the event Ibrahima Balde, Al Daniels, Chris Devins, Dana Ehrets, Dom Costantino, Matthew A Hawley, Makayla Jackson, Adam James Keller, Victoria Ann Kramer, Alison Kran, Nate Kurash, David Lewis, Kevin Dennis McKeon, James Melfi, Kyle Nedlik, Benedict S Nemecc, Andrew D Nice, Joseph D O'Hara, Alex Steinbroner, Ryan Rienhardt, Glenn P Roberts, Richard R Sanguinito, Frederick C Allabaugh, Jr, Daniel Wenzel, Daniel Volpe, George Slavik III, Andrew T Taranto, Robert J Vanskiver



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

HISTORY





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

HISTORY



Chapter Historian Richard R. Sanguinito
Twin Ties Chapter # 129

Delta Engineers, Architects, and Land Surveyors
rsanguinito@delta-eas.com

Congrats on earning.

Bronze, High Five and Challenge designation!

Thank you!

Thank you for the Twin Tiers Chapter's efforts in fundraising for ASHRAE RP through the 2022-23 RP Campaign. It was a successful year due to our dedicated RP Chairs!

Congratulations!

Enclosed you will find the following awards:

- Bronze
- Full Circle
- High Five, Challenge

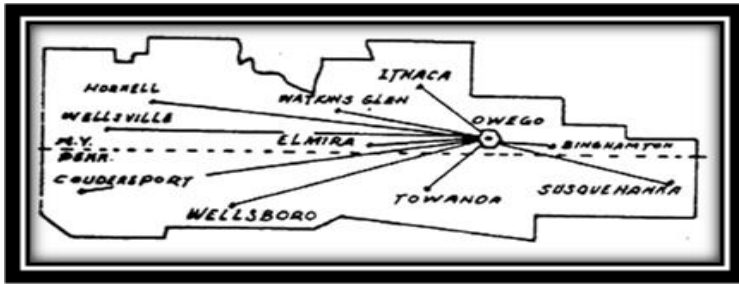
Full Circle Patch/Chevron – all officers gave to achieve Full Circle.

Treasury Ribbons:

- Gold Ribbon for \$10,000 or larger chapter investment
- Silver Ribbon for \$5,000 to \$9,999 chapter investment
- Bronze Ribbon for \$2,500 to \$4,999 chapter investment

- High Five – setting a new high in dollars raised by the Chapter in the last 5 yrs
- Challenge – matching or exceeding Challenge Goal





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

November Chapter Meeting Announcement

November 21, 2023

ASHRAE Twin Tier November Chapter Meeting

DATE: Tuesday, November 21st, 2023
TIME: 5:00 PM - 8:00 PM
SPEAKERS: Chuck Nora & Paul Stewart, Desert Aire
PRESENTATION Indoor Cannabis Grow Room Design
SPONSOR Stark Tech Equipment - Mike McGinnis, PE mcginnism@starktech.com



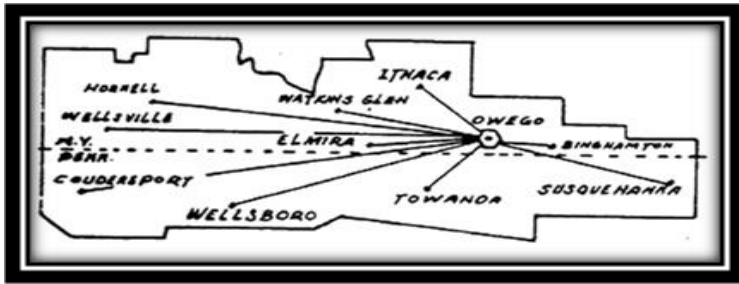
DESCRIPTION: Recent legislation has changed the legal status of marijuana in NYS and is likely to lead directly to an increase in the design and construction of indoor grow facilities in our region. Trends in other states indicate that the price of cannabis decreases rapidly after legalization, increasing the emphasis on energy efficiency and yield in these facilities. This presentation explores the unique requirements of mechanical systems in grow rooms and prepares the audience to add value to the end user's project in terms of both sustainability and operational cost savings.

We encourage you to join us in-person, but we are also providing a Virtual option for those who can't make it in-person. For this option, Be sure to select the VIRTUAL TICKET when you register, no dinner is provided with the virtual option. A calendar invite with the virtual presentation link will be provided after registration.

AGENDA:
 5:00 - 5:30: Check-In & Networking
 5:30: Buffet Dinner to Begin
 5:40 - 6:00: Introductions, Chapter Announcements, & Upcoming Meetings
 6:00 - 7:00: Presentation
 7:00 - 8:00: After-Networking

REGISTRATION LINK [REGISTER HERE!](#)

CONTACT: Alison Kran
 (Please call, text, or email me at below with any questions or if you get lost)
 E: [Email Me!](#)
 C: (631)806-5977



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

What Were They Thinking???



This is why I have trust issues!

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

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

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



2023 Business Cards

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



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



MODULAR COMFORT SYSTEMS
HVAC EQUIPMENT • PARTS • SOLUTIONS

ADAM KELLER
C: 315.200.0138
E: AKELLER@MCSMMS.COM
WEB: MCSMMS.COM

SYRACUSE OFFICE
5860 BELLE ISLE ROAD
SYRACUSE, NY 13209
PH: 315.484.9048



MODULAR COMFORT SYSTEMS
HVAC EQUIPMENT • PARTS • SOLUTIONS

DAN BROSNAN
C: 315.952.5056
E: DBROSNAN@MCSMMS.COM
WEB: MCSMMS.COM

SYRACUSE OFFICE
5860 BELLE ISLE ROAD
SYRACUSE, NY 13209
PH: 315.484.9048



Mike McGinnis
Sr. Sales Engineer
Equipment Business Unit
5615 Business Ave.
Cicero, NY 13039
McGinnism@starktech.com
Mobile: 607.727.3168

Total Facilities Optimization

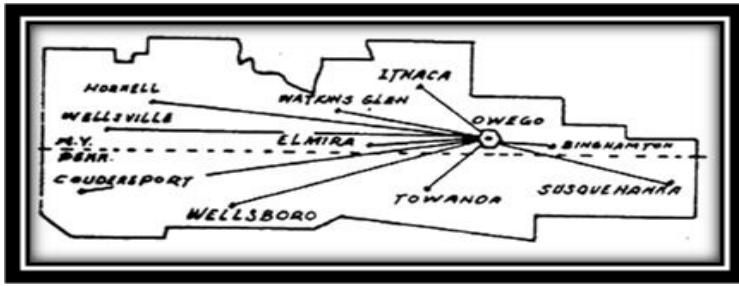


Peterson Guadagnolo Consulting Engineers PC



476 East Brighton Avenue
Syracuse, New York 13210-4144
Telephone: (315) 476-8311
email@pgengineers.com
www.pgengineers.com





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

TRAINING



New York State Professional Engineers Self Study Ethics PDH Available!

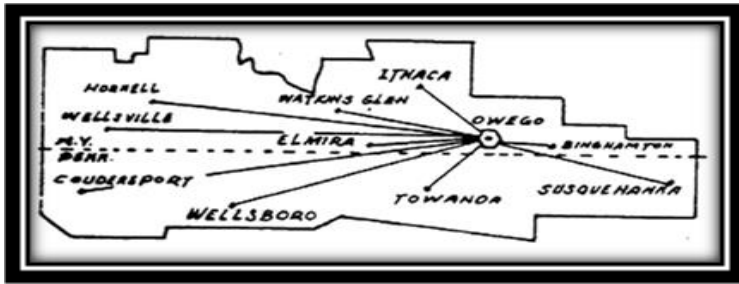
As a licensed professional in New York State, it is your professional responsibility to know the legal and ethical requirements governing the practice of your profession and to be alert to changes in those requirements. The New York State Board for Engineering and Land Surveying, in an effort to help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



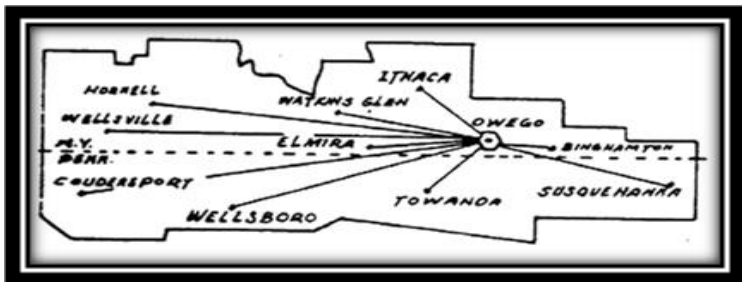
New York State Professional Engineers
Need a few extra PDH?
FREE Online Courses are Available!

www.aecdaily.com

www.ronblank.com

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



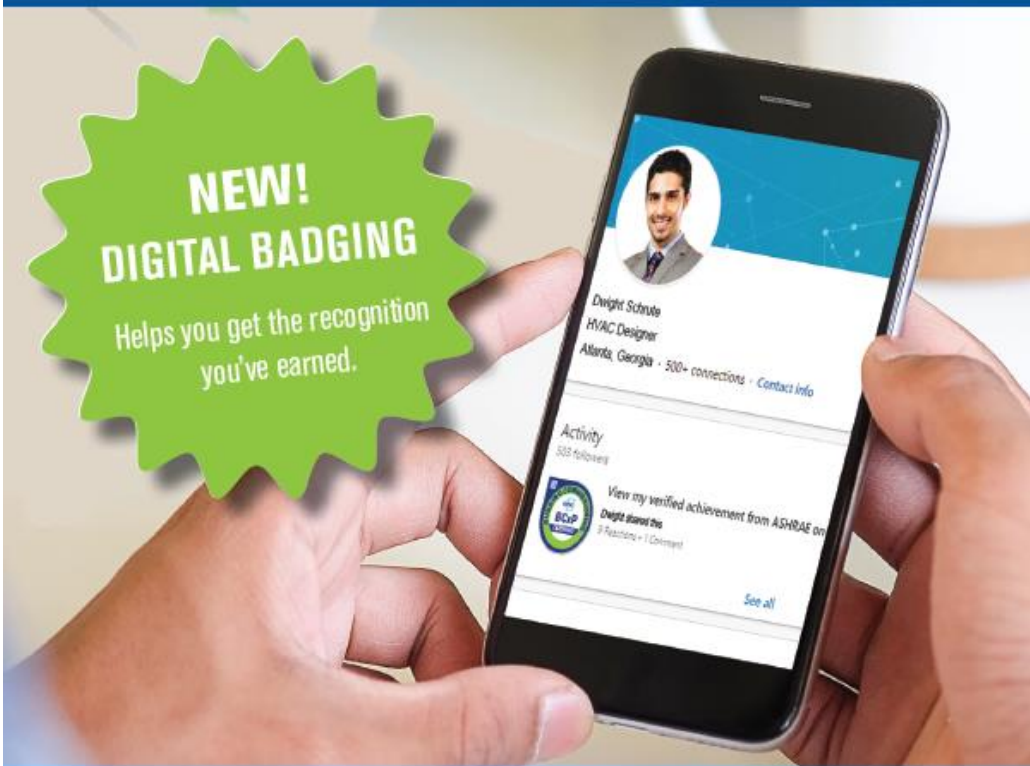


American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.



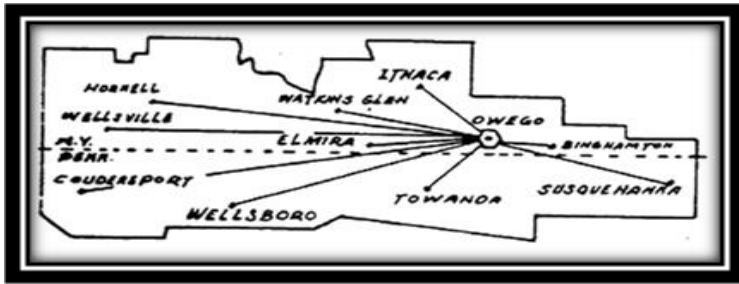
ASHRAE Certification

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



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

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.

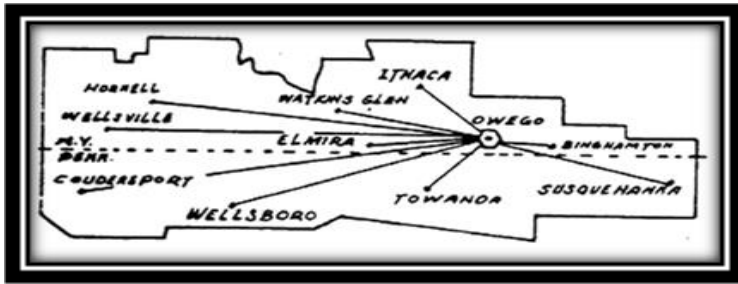
Building Energy Modeling Professional (BEMP)



- 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



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

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)

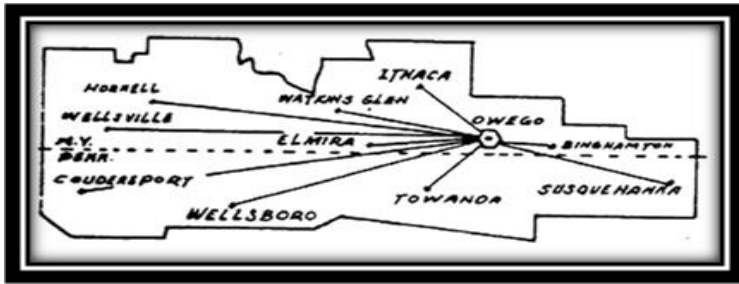


- The BEAP certification validates competency to assess commercial building systems and site conditions, analyze and evaluate equipment and energy usage, and recommend strategies to optimize building resource utilization.
- The BEAP certification is integral to ASHRAE's Building Energy Quotient (BuildingEQ) 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%.



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

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 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).

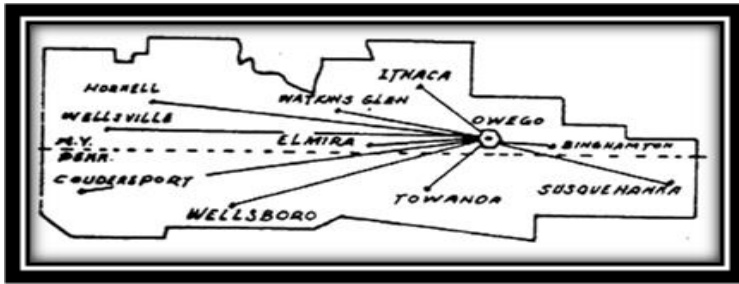
3. Schedule an Examination

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 | 1-678-539-1105



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



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.

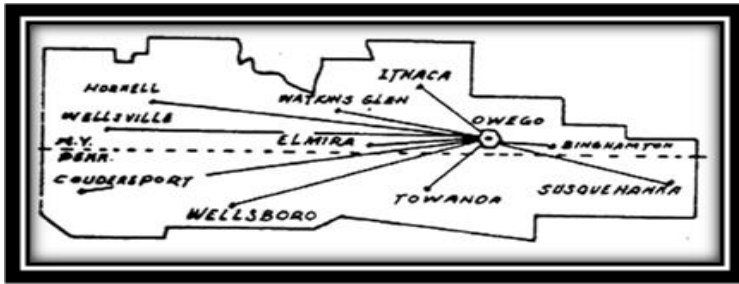
Why Participate?

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%



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

“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?

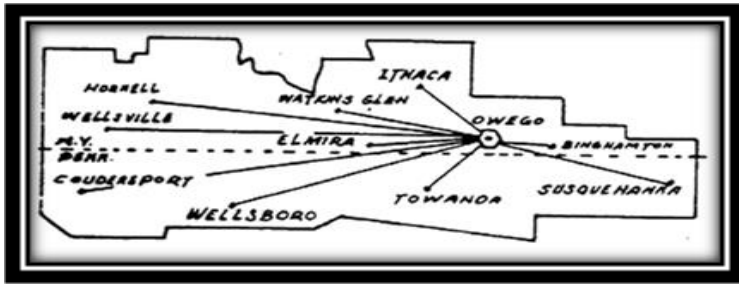
- Meet all VHE HVAC specifications
- Provide access to design and installation teams
- Allow installation of NYSERDA-provided monitoring equipment
- Provide pre- and post-installation utility bills, the cost of installation and alternate bids, and access to facility maintenance staff and selected tenants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

Learn more at www.imt.org/very-high-efficiency-hvac/.



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

SUSTAINABILITY ARTICLE

How is food waste contributing to the climate crisis and how can composting help?

Food waste makes up approximately a quarter of the trash sent to landfills. When organic waste sits in landfills, anaerobic bacteria break down the waste and emit large amounts of methane, a major greenhouse gas. Some landfill operations harness the methane for energy, but that is not usually the case.

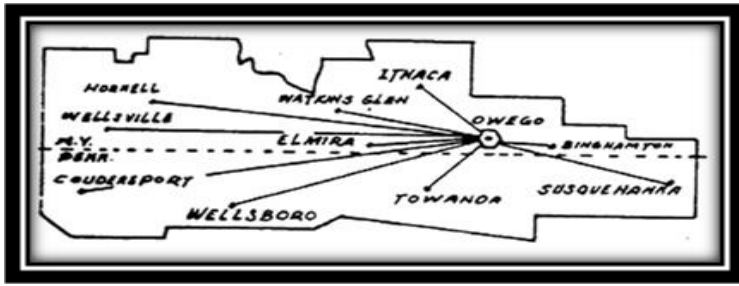
Whether it is in the backyard or a commercial operation, composting can help reduce the impact that food waste has on the environment. The composting process supports a complete food cycle that gives nutrients back to the environment, rather than going to waste in the landfill. As a product the compost is a useful plant fertilizer.

There are different types of composting and several factors to consider when choosing a method, but the essentials to balance are a good ratio of carbon (browns), nitrogen (greens), moisture, and air. When these are balanced and aerobic conditions are maintained, minimal methane is produced from compost piles.

If you are interested in learning more about how composting can reduce our environmental impact, check out the following link:

<https://www.epa.gov/sustainable-management-food/reducing-impact-wasted-food-feeding-soil-and-composting>





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, 2023.
 - New subscription will run the calendar year 2024.
 - Cost to advertise for the 2024 year is \$50.
- Sign up now for the 2024 year on our website: <https://twintiersashrae.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](#).
- To pay for your advertisement please visit: <https://twintiersashrae.org>

Business Card Advertising 2024

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 2024. 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 2024 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](#)

Comments? Suggestions?

Andrew Nice, Editor
c/o Meier Supply Co.
275 Broome Corporate Parkway, Conklin, NY 13748
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