



**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 2015-2016



December Chapter Meeting

December 15, 2015

Tour:

Ithaca College - Peggy R. Williams Center

Tour Guide:

George Lampila (Ithaca College)

Presentation:

Retrocommissioning (RCx)

Presenter:

Casey Bernhard, PE LEED AP (LaBella Associates, PC)

RP SPECIAL EVENT: WINE SURVIVOR RAFFLE

(See Page #9 for Details)

TWIN TIERS TALK



To register, visit the Chapter website:

<http://twintiers.ashraechapters.org>

and select the "Programs" page.

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
BOG Meeting Minutes	10
Twin Tier Scholarship	12
Training Events	14
Employment Opportunities	24
Business Card Ads	29

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



Corner

President's

Dear Twin Tiers Chapter Members,

I want to thank Art Studer (P&J) and Travis for setting up an enormous tour of Huron's chiller and boiler building. I think the cooling towers were taller than the building still. I cannot fathom what 3,000 dekatherms per day or in equivalent heating units 119 tons of coal per day. At the meeting, Mike Colwell was presented with the 7th? Webmaster award by Andy Nice. Thank you Mike for all the hard work you've put in over the years to make what our website looks like today.

As 2015 winds down, we often look back at the people or actions taken that made us better than the engineer we used to be. Take account of your own achievements, and start thinking of what you'd like to accomplish in the year to come. I'm also thankful for our Past Presidents contributions to the chapter over the many years. Without your guidance, patience, and nudging I would not be as involved in the community as I am today. I'd like to take a moment to remember Lew H. Durland IV, Twin Tiers President 2006-2007, age 56. He volunteered at the Ithaca Energy Commission, Sustainable Tomkins, and Upstate NY USGBC. He served as the Director of Energy Management and Sustainability at Ithaca College. What I remembered most, at his memorial with a crowd filled chapel of Anabel Taylor Hall, was that everyone laughed when stories were told of how mischievous he was. He was also remembered for being a great conversationalist, being that he made the time to listen to you. Thank you Rick Lopez for your kind words that Andy Nice read aloud to Lew's friends and family. Thank you for those Twin Tier members that could make it to Cornell that day for your support.

"Without deviation from the norm, progress is not possible" – Frank Zappa. I thought this quote was appropriate for our presentation this month on retrocommissioning. Without a continual commissioning program, building owners are compromising on original design intent to save money. Retrocommissioning finds the balance of optimizing an existing HVAC system or lighting systems, and possibly enhancing the original design for significant savings. This, in turn, is the first step to minimizing operating and maintenance cost, and combats diminishing efficiency with aging equipment. Progress is possible through RCx as building owners and energy codes steer us towards reducing global warming.

Notice of Emergency Rule Adoption for NYS Building Standards & Codes- Commercial Building Carbon Monoxide Detection in Part 1228.4 of Title 19 NYCRR has taken effect on June 27, 2015. The transition period for all commercial properties to conform to these changes ends on June 27, 2016. <http://www.dos.ny.gov/dcea/noticadopt.html> These are further clarified for use with NYSED projects http://www.p12.nysed.gov/facplan/Carbon_Monoxide/CarbonMonoxideDetectioninSchoolDistrictBuildings.html

There is a lot to discuss, and there are kinks in it to discuss here. Your Authority Having Jurisdiction (AHJ) will need to be satisfied in conformance with the quantities and locations of the detectors and the system as the law is applied. This will require some finesse with discussing with your clients in that it will not be simple, cheap, or timely. For the most part, as it pertains to MEP fields, they will need to know how many to buy and install, or write a letter of intent to their local AHJ and possibly Fire Marshall as required by the code. This process has obstacles such as complete, up-to-date as-built documentation; building space dimensions (Arch Plans); engineer (Electrical and Mechanical) walkthrough; partial ceiling removals; etc...as one Fire Marshall put it to me, "They'll (building owners) not pass if they take CO sensors from a contractor's truck and install them without thorough documentation." If anyone is interested in a small group discussion on Part 1228.4 and NYSED's adaption, let's see if we can put something together.

Have a safe and joyful holiday season, everyone!
Doug Breese, Twin Tiers Chapter President

Chapter President



Doug Breese
(585) 402-7090
[Email Me!](#)

2014-2015 Chapter Officers

President-Elect

Travis R. Fisher
(607) 255-5608
[Email Me!](#)



Vice President

Petros Papathomopoulos
(607) 723-9421
[Email Me!](#)



Treasurer

Jacob Schatz
(315) 234-1543
[Email Me!](#)

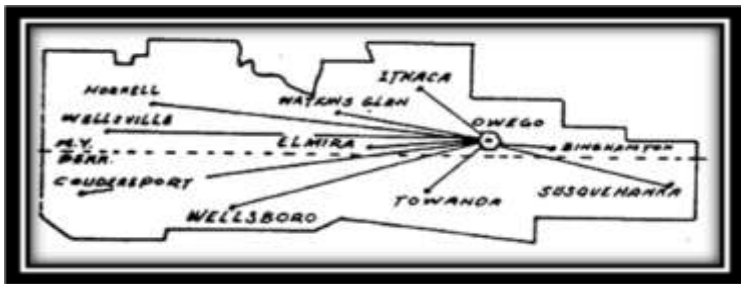


Secretary

Michael McGinnis
607.727.3168
[Email Me!](#)

Newsletter Disclaimer Statement

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Twin Tiers Chapter

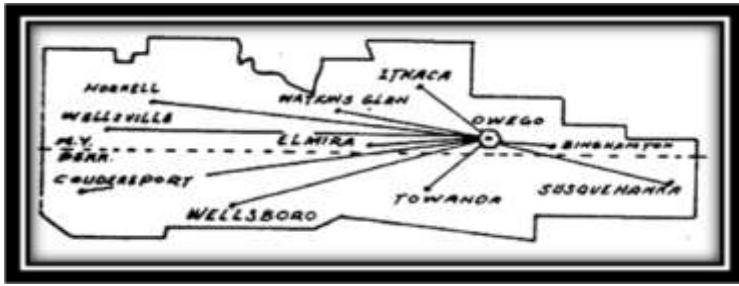
Presidential Award of Excellence (PAOE)

	Membership Promotion	Student Activities	Research Promotion	Historical	Chapter Operations	Chapter Technology Transfer	Grassroots Government Activities
MIN/PAR	500/800	300/500	800/1050	100/300	400/1000	450/1050	500/650
Current	225	50	480	150	135	325	175

100 POINTS CURRENT AS OF 12/02/2015

Chapter Committee Chairs

Technology Transfer Travis Fisher (607) 255-5608 Email Me!	Government Activities Petros Papathomopoulos (607) 723-9421 Email Me!	Refrigeration Rob VanSkiver (585) 591-8168 Email Me!	Golf & Clambake Outing Michael McGinnis (607) 727-3168 Email Me!
Membership Promotion Chris Wolak (484) 350-1954 Email Me!	Nominating Andrew Nice 607-760-5960 Email Me!	Meeting Reception Jacob Schatz (315) 234-1543 Email Me!	H.O. Ward Scholarship Jason Gilbert (607) 777-2240 Email Me!
Research Promotion Andrew Nice 607-760-5960 Email Me!	Student Activities Jason Gilbert (607) 777-2240 Email Me!	Membership Directory Chris Wolak (484) 350-1954 Email Me!	Albarn Education Fund Richard Sanguinito (607) 231-6605 Email Me!
Honors & Awards Andrew Nice 607-760-5960 Email Me!	Historian Richard Sanguinito (607) 231-6605 Email Me!	Symposium- Fall/Spring Petros Papathomopoulos (607) 723-9421 Email Me!	Auditing Rick Sanguinito & Jason Gilbert (607) 231-6605 Email Me!
Webmaster Mike Colwell (607) 724-8282 Email Me!	Newsletter Editor Andrew Nice 607-760-5960 Email Me!	YEA: Young Engineers Travis R. Fisher/Devin Shapley (607) 255-5608 Email Me!	Publicity Andrew Nice 607-760-5960 Email Me!



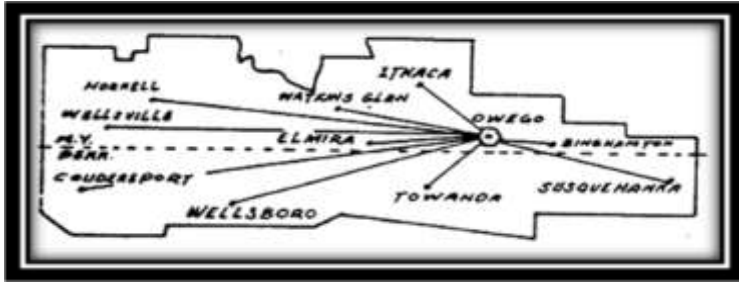
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Twin Tiers Chapter– Monthly Meeting Information

2015-2016 Meeting Dates:

Date:	Speaker	Tech Session Topic, Tour or Meeting Info	Attendance:
15-Sep	Jason Gilbert / Rick Sanguinito	Dickinson Hall VRF HVAC, Plumbing, FP, and Structural Installation Tour & Presentation	23
20-Oct	Various / TBD	Fall Engineering Symposium - Daytime	
20-Oct	TBD	Brewery Tour	17
17-Nov	Art Studer (Postler & Jaeckle)	Huron Campus Chiller Plant Tour Themes: Refrigeration Night & History Night Region 1 Guest: Region 1 Director & Regional Chair – Bill Walter	14
15-Dec	Casey Bernhard, PE, LEED AP (Labella Associates)	Ithaca College Peggy R. Williams Center Tour Re-commissioning Presentation Theme: Past Presidents/Albern Lecture and Donor Recognition	
19-Jan	Michael Patton (Griswold Water Systems)	ASHRAE Std. 188-2015 “Legionellosis: Risk Management for Building Water Systems. (PDH Approved) Theme: Student Night & Membership Promotion	
16-Feb	Byron Horak (Intertek)	Joint Meeting with Syracuse Chapter, Presentation and Tour of Intertek facility Theme: Research Promotion	
15-Mar	Jason Gilbert (Binghamton University)	Binghamton University Building Tour & Presentation Theme: Student Night & YEA Night	
19-Apr	Multiple/TBD	Spring Engineering Symposium—Daytime	
17-May	Lanny Joyce / Mark Howe (Cornell University)	Cornell University Building Tour & Presentation	
21-Jun	None	Golf Tournament	

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



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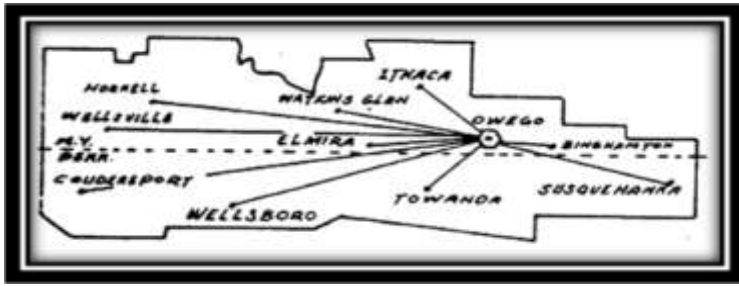
Membership Promotion Message

Chapter Membership Promotion

Chris Wolak

I hope everyone had a great Thanksgiving, its hard to believe its already December and 2016 is around the corner! We are always looking to grow the chapter (we are currently at 142), and one of the things we notice is that there are a lot of large companies / institutions that have only one or two members. I would encourage all our members to bring a colleague to an upcoming meeting. We will be having a membership promotion night in early 2016 where any guests will get free admission, I will keep you posted when the details are finalized.

Chris Wolak
Twin Tiers Membership Chair
Chris.Wolak@Victaulic.com



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

December Meeting Announcement

December 15, 2015

December Chapter Meeting

(Past Presidents/Albion Lecture and Donor Recognition Night)

Don't forget about our Special Wine Survival Raffle RP Event!

Tour: Ithaca College – Peggy R. Williams Center—George Lampila (Ithaca College)

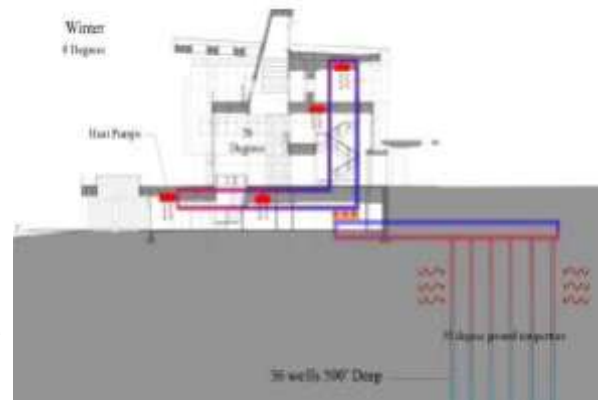
We will be touring the Peggy R. Williams Center at Ithaca College. This administrative facility, which opened in Spring 2009, has achieved LEED Platinum rating from the U.S. Green Building Council. The building achieved the Energy Star rating in 2010. One of the key HVAC features of this building is its geothermal heat pump system. Water is pumped through thirty-six 500' deep bore holes drilled in the plaza just north of the fountain to take advantage of latent energy stored in the earth. By leveraging this free energy, the building realizes an energy savings of 34% or more when compared with standard, code compliant construction. This will yield an anticipated cost savings of more than \$35,000 each year. With the purchase of green power by the college, the building moves even further toward carbon neutrality with the impact of its vegetated roofing. A distributed heat-pump system allows the building to redistribute heating and cooling from one space to another before requesting additional energy from the earth.

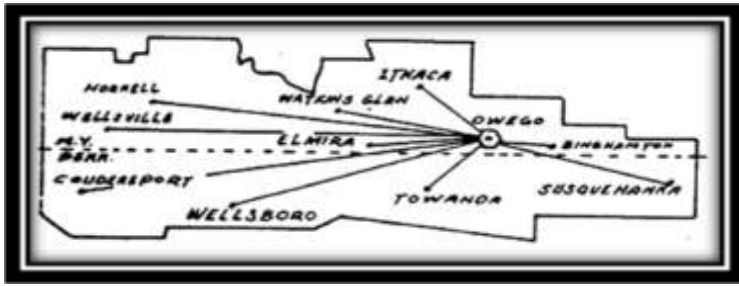


Presentation: Retrocommissioning (RCx) –

Casey Bernhard, PE, LEED AP

Retrocommissioning (RCx) is defined by ASHRAE as the commissioning process applied to an existing building that was not previously commissioned. Our presentation will review the RCx process and discuss benefits to building owners and operators. Possible variations of the RCx process will be discussed that can be applied to suit building owner needs as well as tools that can assist with implementation of RCx. Project experience case studies will be utilized to provide relevant examples of RCx implementation.





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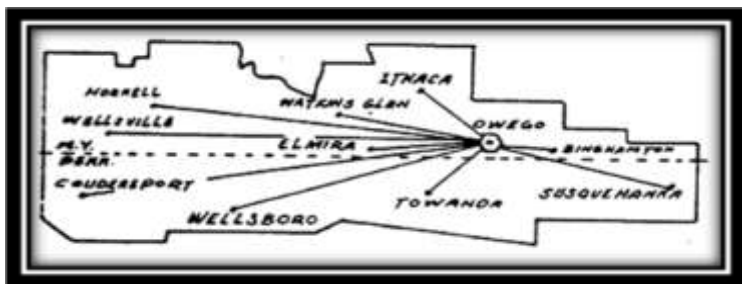
December Meeting Announcement

December 15, 2015

December Chapter Meeting

(Past Presidents/Albion Lecture and Donor Recognition Night)

- DATE:** Tuesday, December 15th, 2015
- TIME:** 5:00 PM
- TOUR LOCATION:** Ithaca College - Campus Center
201 Grant Egbert Blvd
Ithaca, NY
- TOUR GUIDE:** George Lampila - Ithaca College, Facilities Supervisor
- DINNER LOCATION:** Ithaca College - Clark Lounge
201 Grant Egbert Blvd
Ithaca, NY
- SPECIAL EVENTS:** Past Presidents Night
Resource Promotion Donor Recognition Night & Wine Survivor Raffle
- SPEAKER:** Casey Bernhard, PE, LEED AP Labella Associates
Mechanical Engineering, Department Head, Past President of Rochester ASHRAE Chapter
- AGENDA:** 5:00 – 6:00 – (Meet at Campus Center) Tour of Peggy R. Williams Center
6:00 – 7:00 – (Clark Lounge) Social Hour/Registration/RP Event
7:00 – 8:30 – (Clark Lounge) Dinner, Presentation, and Brief Chapter Meeting
- MENU:** Buffet Dinner Catered by Ithaca College Flavours Catering— Roasted Chicken Italian Style, Tilapia Vera Cruz, Garlic Mashed Potatoes, Glazed Steamed Carrots, and assorted cookies for desert.
- REGISTRATION:** Register online at <http://twintiers.ashraechapters.org/> (Under the “Programs” Tab)
\$25.00 Early Registration (By 12/11/2015)
\$30.00 (After 12/11/2015)
- GPS:** Ithaca College Campus Center - <https://goo.gl/maps/ApxMU922WwR2>



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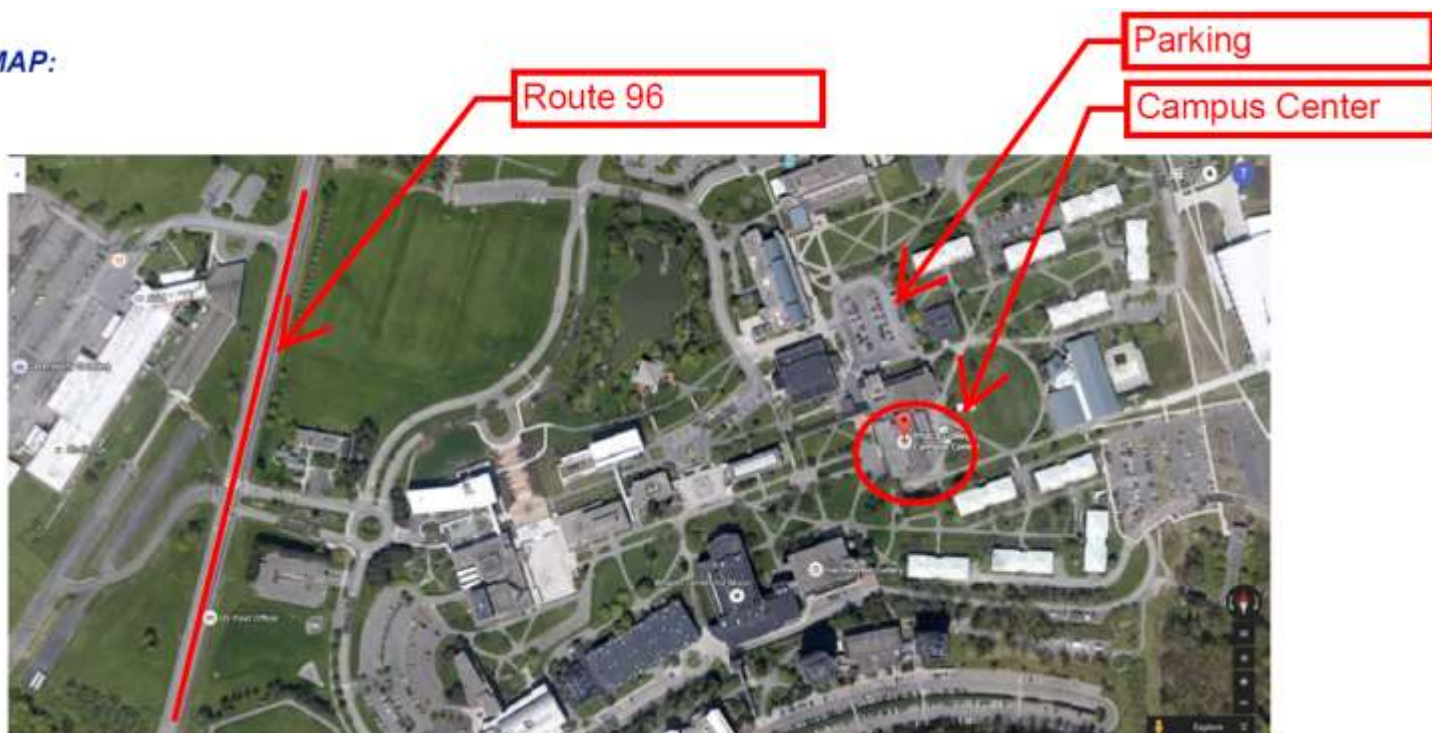
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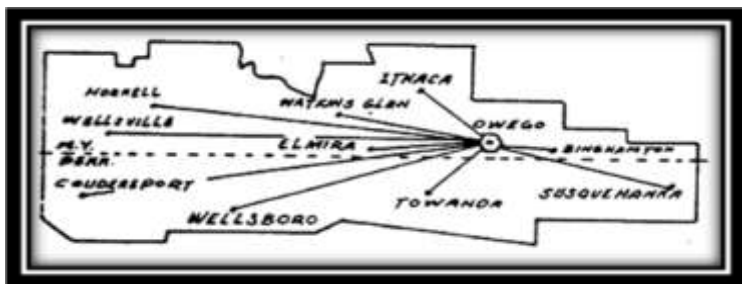
MAP:



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

E: [Email Me!](#)

C: (607) 972-1342



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Resource Promotion Special Event

WINE SURVIVOR RAFFLE



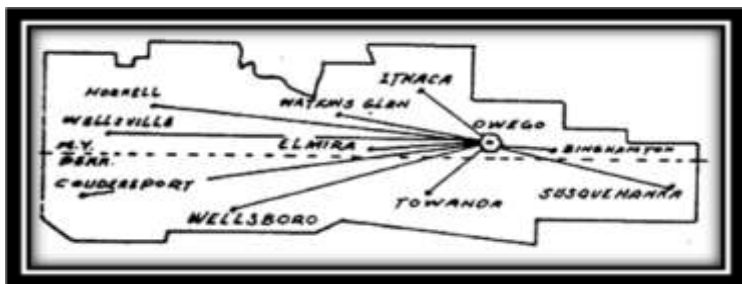
STOCK
YOUR WINE
CELLAR!

100% of the proceeds
benefit ASHRAE
Research Promotion!

WINE SURVIVOR RAFFLE!

- Bring a bottle of your favorite wine as a donation to Twin Tiers ASHRAE RP
- \$20 entry fee (\$10 to buy back in)
100% of the proceeds go to ASHRAE RP
- 3 winners take home all the donated wine!
- When: December 15th 2015
During the Chapter Dinner Meeting
- Bring a participating, non-member and get a FREE second entry!





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

Twin Tiers Chapter– November BOG Meeting Minutes

MEETING MINUTES

The meeting was called to order at:

Board of Governors Meeting

Date: Tuesday 11/17/2015 @ 4:00 PM

Location: Jonathan's in Endwell

1. Call to Order and Attendance:

a) Attendance: Doug, Jason, Rob, Rick, Chris, Jake, Petros, Andy, Travis, Mike

2. General Announcements – Doug Breese

a) Approval of September Meeting minutes:

Motion by: Petros

Second by: Andy

3. Treasurer's Report – Jacob Schatz

- a) Treasurer's Report – accounts in good standing.
 - 2014-15 Audit: Lynn is now working on this. Should be done in early Dec'15 per Lynn
 - E-Postcard: Jake sent in on 11/2/2015
 - Annual budgets. See attached 11x17. Reviewed

4. PAOE Responsibility – Doug

Chair Updates:

a) Chapter Operations:

- ☐ Update to Chapter Bylaws (Add: Grassroots and New Logo) – D. Breese
- ☐ Motion by Travis, 2nd by Petros -> Updated Bylaws Approved

b) Chapter Technology Transfer:

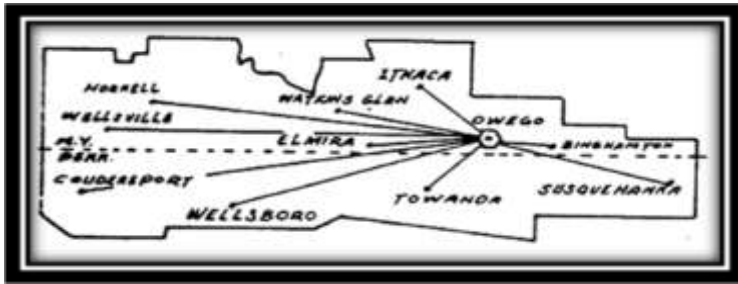
- ☐ Calendar of Events coming up:
 1. Update Chapter Meetings section of Society Chapter Page for the year
 2. Legionella Disease – Jan '16 @ Cornell, Apell Dining
 3. Joint Meeting w/ CNY Chapter – Feb'16 (Thursday Meeting)
 - a. YEA event on regular meeting date, possibly Water St. Brewery

c) Historical Criteria:

- ☐ History Night – November: Rick S to add PAOE points

d) Membership Promotion:

- ☐ MP Night – Jan-15 and May-16 (Joint mtg – SFPE)
- ☐ MBO Goal #1: Retain and increase membership by 2%, current membership is at 112.
 1. Update - 108 Currently
- ☐ MBO Goal #2: Reduce delinquency to 5% or less. Currently 19% are past 6 weeks overdue on renewing their annual chapter memberships.
 1. Update – 5 ppl Currently



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

Twin Tiers Chapter– November BOG Meeting Minutes

e) Resource Promotion:

- ☐ Donor Recognition/Past Presidents Night – Dec-15 Need to send invitation to Joan Alber and son. Certificate of Appreciation for donations. (Mike M. sending invites)
- ☐ RP Night – Feb 10 @ Intertek (Cortland NY) combined with CNY Chapter
- ☐ Full Circle – completed. Thank you.
- ☐ 2015 2016 Goal is \$6,500 (High Five goal?)
- ☐ [Wine Event is in December](#)
- ☐ [Add Putting contest to RP](#)

f) Student Activities:

- ☐ Student Activity Night – March
 1. [Use YEA event as 2nd student activities night](#)

5. Committees:

a) Student Committee (J. Gilbert):

- ☐ Alfred (Jason to contact Dr. Joe C) and Cornell (Travis to take lead) contacts to be notified of end of Student Branch and if they'd like to renew they need to fill out forms from ASHRAE.
- ☐ Jason to establish BU Student Branch.
 1. (3) Students are required to maintain a student branch and (10) are required to start a branch.

b) Symposium (P. Papathomopoulos): update

- ☐ [Fall is complete](#)
- ☐ [Submit Spring presentations for PDH credits in Feb](#)
- ☐ [Get attendee spreadsheet from other area expos](#)

6. Old Business

a) Student Scholarships: General Discussion – [Send to Chapter members only via newsletter and email blast.](#)

1. How do we make this known to students?
 - a. Twin Tiers Website with links and details. – Need to give info to M. Colwell
 - b. Newsletter. – Give info to A. Nice
 - c. Student Chapters. – J. Gilbert to discuss with BU students

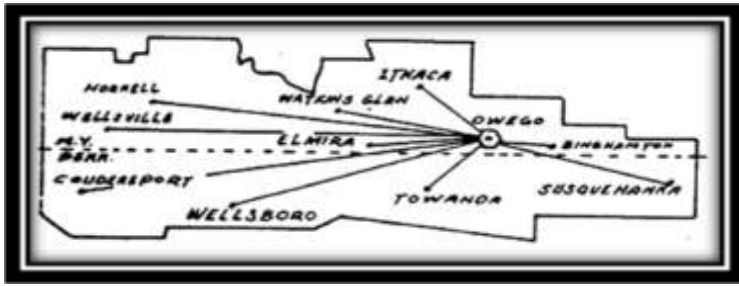
b) ASHRAE TT to receive a \$50 per person credit for each person that attended the CRC from the region. -> [Checks to PO Box](#)

7. New Business

- a) Winter Conference is requesting good quality Photos/Videos of our Chapter Meeting/Tours. Send separate files if they are too big. Need to submit by Dec. 1st to acannone@ashrae.org

Meeting adjourned at 4:54 PM Motion by: Andy

Second by: Travis



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

SCHOLORSHIP



Twin Tiers ASHRAE H.O. Ward Scholarship

Twin Tiers Chapter:

It has been some time since a scholarship could be offered. We would like to reestablish the scholarship opportunities for student members, children of members, grandchildren of members, nephews and nieces of members.

Please consider passing this application to your children or grandchildren. The program is guided for HVAC interest.

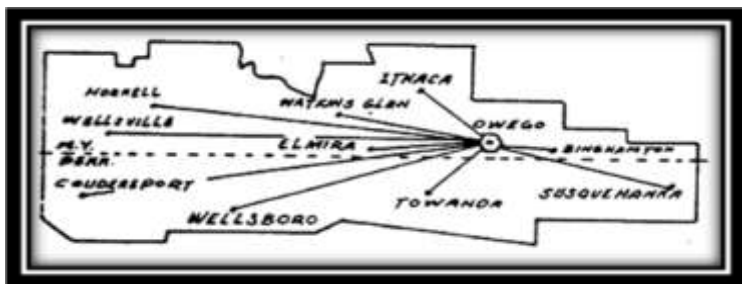
This would include but not limited to:

- HVAC trade school students
- Engineering students in building programs
- Engineering students with an interest to become a Professional Engineer (Mechanical)
- Engineering students in manufacturing (HVAC equipment)
- Engineering / trade school student that can demonstrate how their study relates to HVAC aspect like building trades, equipment manufacturing, research and development, HVAC maintenance, etc.

**APPLICATIONS MUST BE SUBMITTED
BY FEBRUARY 15, 2016**

Please visit our website for the application and full details!

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



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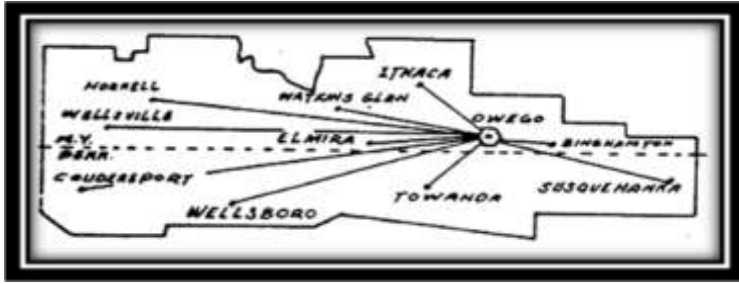
What Were They Thinking???



Nice example of a quality installation!

**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. *****



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TRAINING



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

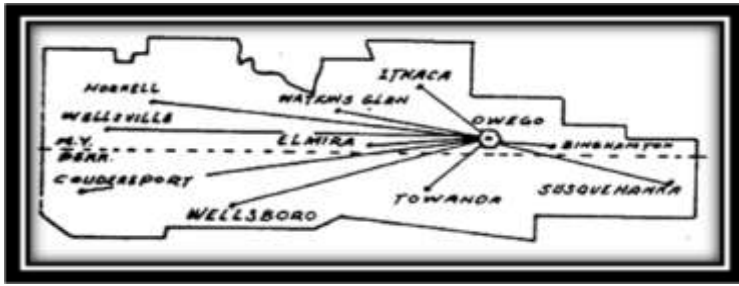
As a licensed professional in New York State, it is your professional responsibility to know the legal and ethical requirements governing the practice of your profession and to be alert to changes in those requirements. The New York State Board for Engineering and Land Surveying, in an effort to help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



New York State Professional Engineers

Need a few extra PDH?

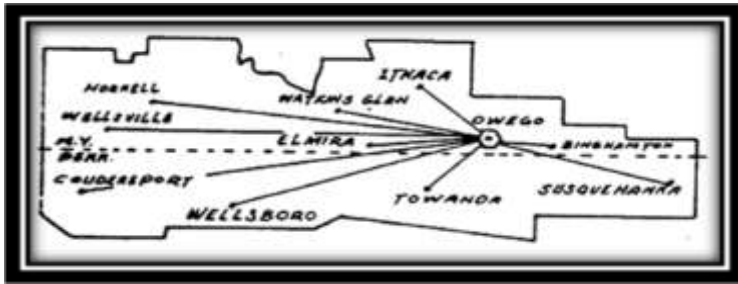
FREE Online Courses are Available!

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.

TRAINING

ASHRAE Learning Institute

Seminars & Courses at ASHRAE's Winter Conference in Orlando, FL

2 WAYS TO REGISTER

Internet: www.ashrae.org/orlandocourses

Phone: Call 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

Full-Day Professional Development Seminars

\$485/\$395 ASHRAE Member -- Earn 6 PDHs/AIA LUs or .6 CEUs

Commercial Building Energy Audits

Saturday, January 23, 2016 -- 8:00 a.m. to 3:00 p.m.

Commissioning Process in New & Existing Buildings

Saturday, January 23, 2016 -- 8:00 a.m. to 3:00 p.m.

Designing HVAC Systems to Control Noise & Vibrations

Saturday, January 23, 2016 -- 8:00 a.m. to 3:00 p.m.

Energy Modeling Best Practices and Applications

Tuesday, January 26, 2016 -- 9:00 a.m. to 4:00 p.m.

Operations & Maintenance of High-Performance Buildings

Tuesday, January 26, 2016 -- 9:00 a.m. to 4:00 p.m.

Half-Day Short Courses

\$159/\$119 ASHRAE Member -- Earn 3 PDHs/AIA LUs or .3 CEUs

Laboratory Design: The Basics and Beyond

Sunday, January 24, 2016 -- 3:30 p.m. to 6:30 p.m.

Troubleshooting Humidity Control Problems

Sunday, January 24, 2016 -- 3:30 p.m. to 6:30 p.m.

Understanding & Designing Dedicated Outdoor Air Systems

Sunday, January 24, 2016 -- 3:30 p.m. to 6:30 p.m.

Variable Refrigerant Flow System Design & Applications **NEW!**

Sunday, January 24, 2016 -- 3:30 p.m. to 6:30 p.m.

Air-to-Air Energy Recovery Applications: Best Practices

Monday, January 25, 2016 -- 8:30 a.m. to 11:30 a.m.

Applications of Standard 62.1-2013

Monday, January 25, 2016 -- 8:30 a.m. to 11:30 a.m.

Building Demand Response & the Coming Smart Grid

Monday, January 25, 2016 -- 8:30 a.m. to 11:30 a.m.

Energy Management Best Practices

Monday, January 25, 2016 -- 8:30 a.m. to 11:30 a.m.

Advoiding IAQ Problems

Monday, January 25, 2016 -- 2:45 p.m. to 5:45 p.m.

Commissioning Process & ASHRAE Standard 202

Monday, January 25, 2016 -- 2:45 p.m. to 5:45 p.m.

Complying with Standard 90.1-2013: HVAC/Mechanical

Monday, January 25, 2016 -- 2:45 p.m. to 5:45 p.m.

Evaluation and Control of Legionella in Building Water Systems **NEW!**

Monday, January 25, 2016 -- 2:45 p.m. to 5:45 p.m.

Exceeding Standard 90.1-2013 to Meet LEED Requirements

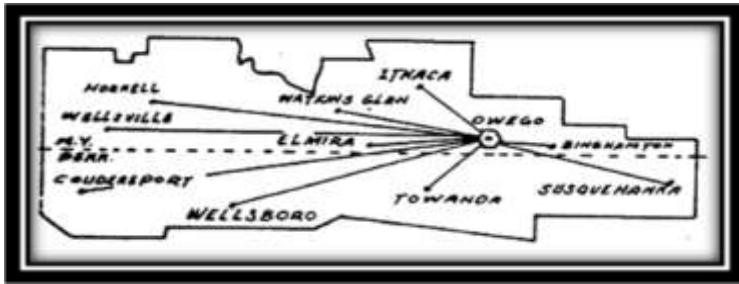
Monday, January 26, 2016 -- 9:00 a.m. to 12:00 p.m.

IT Equipment Design Evolution & Data Center Operation Optimization

Monday, January 26, 2016 -- 9:00 a.m. to 12:00 p.m.

Designing High-Performance Healthcare HVAC

Monday, January 26, 2016 -- 1:00 p.m. to 4:00 p.m.



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

TRAINING

ASHRAE HVAC Design Training

2 Courses, 5 Days of Intense Instruction

Atlanta • Halifax • Hong Kong • Houston

Kuala Lumpur • Miami • Minneapolis • Vancouver

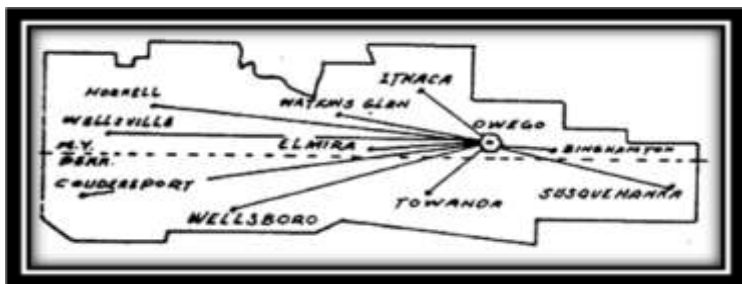
HVAC Design: Level I – Essentials - Registration is \$1,264 (\$1,009 ASHRAE Member)

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 to register.



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

EVENTS

2016 Winter Conference & AHR Expo



2016 Winter Conference
Jan. 23-27
Orlando Hilton
Orlando, FL

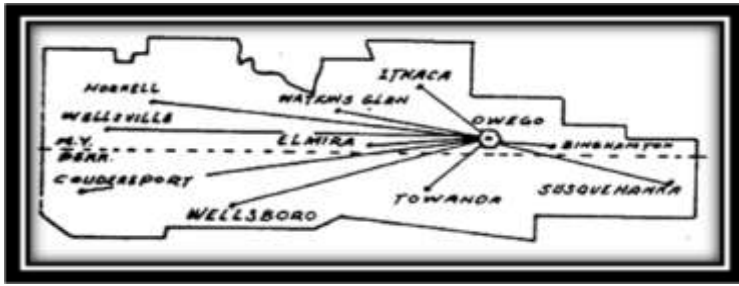
AHR Expo
Jan. 25-27
Orange County Convention Center
Orlando, Fla.

Sun and fun make Florida a global destination! The 2016 ASHRAE Winter Conference and AHR Expo serve as similar attractions, drawing industry professionals from around the world to advance personally and professionally. The Conference will have a fresh feel with new tracks focused on design-build practices and residential systems as well as programs that align well with current trends in HVAC&R engineering. Energy efficiency and sustainability are emphasized along with current engineering and construction practices outside of the U.S. and Canada. Come experience Florida's attractions and ASHRAE's advances in technology.

Highlights!

- ASHRAE Headquarter Hotel is connected to the Orange County Convention Center, site of the AHR Expo. An easy walk to the latest and greatest technology!
- Kick off the Conference with a Welcome Party at SeaWorld!
- Technical Program features fresh feel with new tracks!

[Register](#)



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

INDUSTRY ARTICLE

Governor Cuomo Recognizes Seven Innovative Programs Resulting in a Healthier Environment and Stronger Economy

www.governor.ny.gov

By Press Office of NYS Governor Nov. 17, 2015

Governor Andrew M. Cuomo today announced New York State recognized seven organizations at the 12th Annual New York State Environmental Excellence Awards for their state-of-the-art programs and commitment to environmental sustainability, social responsibility and economic viability.

"These organizations make clear that by using innovative green programs, we can achieve strong environmental goals while growing the economy," **Governor Cuomo said**. "They are a role model for businesses across the state looking to reduce their environmental impact, and I encourage everyone to learn more about what they can do to help protect our beautiful natural resources for generations to come."



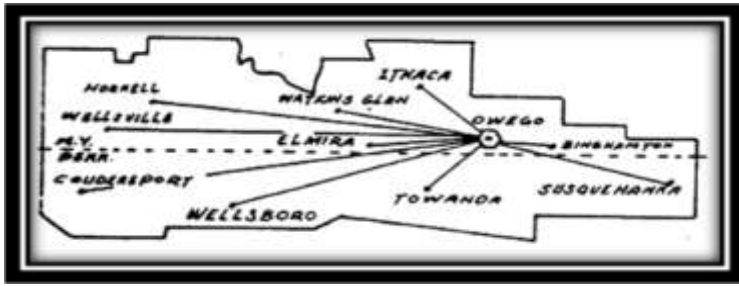
Winners this year include the National Hockey League, headquartered in New York City with teams in New York City, Long Island and Buffalo, that was recognized for its efforts to reduce the league's environmental footprint, engaging millions of fans, businesses and communities in sustainable actions. The full list of winners is below.

The State Department of Environmental Conservation Acting Commissioner Basil Seggos honored the recipients today at the Colleges of Nanoscale Science and Engineering, SUNY Polytechnic Institute in Albany.

"This year's awards recognize innovative programs, smart business decisions and unique collaborative initiatives that improve New York's environment and contribute to a stronger economy," **said DEC Acting Commissioner Basil Seggos**. "These seven organizations are models of excellence. They are having a positive impact on our economy and their voluntary, innovative and sustainable actions address the environmental challenges facing our communities, state, nation and the world. Presenting the awards at the Colleges of Nanoscale Science and Engineering, SUNY Polytechnic Institute is fitting because here, through the vision and leadership of Governor Andrew Cuomo, New York is setting an example of global education, research and development and technology that is critical for the next generation of scientists and researchers."

The Department of Environmental Conservation established the awards program in 2004 to recognize those who improve and protect New York's environment and contribute to a more healthy economy by advancing sustainable practices and by forming creative partnerships. To date, it has recognized 66 award winners.

A statewide review committee made up of 25 representatives from the public and private sectors provided the Department of Environmental Conservation advice in selecting the award winners from an array of competitive applications received in May.



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

INDUSTRY ARTICLE

Governor Cuomo Recognizes Seven Innovative Programs Resulting in a Healthier Environment and Stronger Economy (Cont.)

The 2015 winners include:

- **NHL GREEN (New York County):**

The NHL Green initiative was born and is being implemented here in New York State (the NHL is headquartered in New York City and three franchises are located within NYS) and is setting an impressive standard for national and international sporting leagues. The NHL's sustainability report, the first of its kind from a professional sports league, sets a national and international sporting industry precedent. The environmental, social and economic benefits for New York and the nation are extraordinary and far-reaching. The NHL is reducing its environmental footprint and engaging millions of hockey fans, global businesses and local communities in sustainable action.

- **Jacob K. Javits Center's Sustainable Transformation (New York County):**

The Center recently completed an impressive and comprehensive sustainable transformation. A five-year renovation project transformed the Javits Center into one of the nation's busiest and greenest convention centers. The Center's state-of-the-art, 7-acre green roof, the second largest in the nation, will prevent approximately 6.8 million gallons of storm water runoff annually, and also reduce heat gain. As a result, the facility's yearly energy consumption is projected to be decreased by 26 percent. The green roof has become a habitat for more than 10 bird species, serving as a wildlife oasis in an environment dominated by concrete and steel. The pixelated glass panels are bird-friendly, reducing bird collisions by 90 percent since installation. The Center serves as an outstanding model for the convention center industry and is achieving significant environmental, economic and social benefits for nearby communities and all New Yorkers.

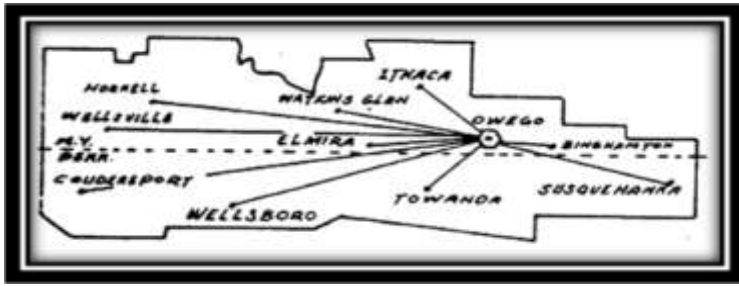


- **Intervale Lowlands Preserve's Ecosystem Monitoring and Management Program (Essex County):**

Interval Lowlands Preserve, located near Lake Placid, is using innovative, high-tech approaches to ecological management, monitoring and research all which are advancing New York's commitment to combat climate change. This relatively small Adirondack preserve serves as an outstanding model of environmental stewardship.

- **New York City's Clean Soil Bank (New York County):**

The New York City Mayor's Office of Environmental Remediation was honored for its Clean Soil Bank Program, the first of its kind in the nation. The program enables real-time, no-cost transfers of excavated soil for fill at nearby construction sites. This is significantly reducing truck traffic, improving air quality and saving taxpayer dollars. This sustainable program enables excavated native soil to be repurposed by sites needing soil. It is an outstanding example of environmental, social and economic



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INDUSTRY ARTICLE

Governor Cuomo Recognizes Seven Innovative Programs Resulting in a Healthier Environment and Stronger Economy (Cont.)

- **New York State Office of Parks Recreation and Historic Preservation's Solar Program (Albany County):**
NYS Parks has developed and implemented an innovative, triple-bottom-line business model for advancing sustainability and promoting the use of solar power. As part of the effort, NYS Parks has become the only state agency to train in-house staff as solar installers who are approved by the NYS Energy Research and Development Authority.

- **Town of Williamson's Strategic Plan to achieve Electricity Independence (Wayne County):**

The town of Williamson, Wayne County, is one of New York's designated Climate Smart Communities. Williamson is the first New York town to use solar energy to power all of its municipal buildings as part of its commitment to reduce their environmental footprint. Achieving "net zero" means that the total electricity being used by the town is less than or equal to the alternative energy being produced. The town has advanced renewable energy technologies and created "green-collar" jobs. This demonstrates an outstanding commitment to environmental excellence and sets an extraordinary benchmark for other New York municipalities.

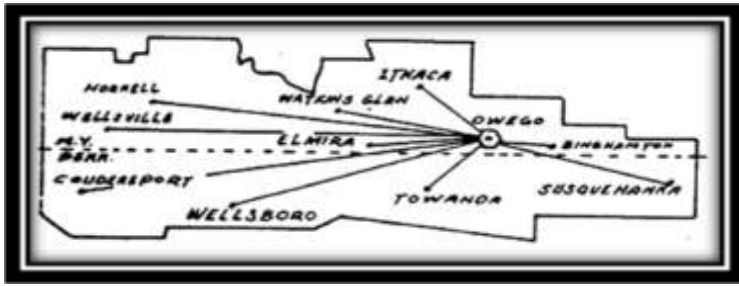
- **Upper Susquehanna Coalition's Stream Team Flood Response Training Program (Tioga County):**

Upper Susquehanna Coalition was honored for its Stream Team Flood Response Training Program. The Coalition is a unique collaboration of 16 New York Soil and Water Conservation Districts. The training program takes an innovative and hands-on approach to teach local and agency officials and personnel, contractors and landowners how to effectively address stream management issues in post storm situations which will prevent or lessen unnecessary environmental and economic damages. This sustainable, statewide training campaign is enhancing New York's capacity to respond to increasingly common extreme weather events. As a result, there are more local communities using sustainable stream work practices. In addition, more local and agency officials and personnel, contractors and landowners are trained to effectively address stream management issues in post storm situations.



For additional information about the program and past winners, and to learn about applying for the 2016 Environmental Excellence Awards, visit <http://www.dec.ny.gov/public/945.html>.

"Governor Cuomo Recognizes Seven Innovative Programs Resulting in a Healthier Environment and Stronger Economy." *New York State Governor Andrew M. Cuomo*. Press Office of the New York State Governor, 17 Nov. 2015. Web. 2 Dec. 2015. <<http://www.governor.ny.gov/news/governor-cuomo-recognizes-seven-innovative-programs-resulting-healthier-environment-and>>.



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INDUSTRY ARTICLE

CARBON MONOXIDE IN SCHOOL DISTRICT BUILDINGS

NYSED.gov

By NYS Education Department July. 23, 2015

New York State has adopted a rule that amends the Uniform Fire Prevention and Building Code by adding provisions requiring the installation of carbon monoxide detection in all new and existing commercial buildings that have appliances, devices or systems that may emit carbon monoxide, or an attached garage.

School facilities are included in the definition of commercial buildings. The emergency rule became effective on June 27, 2015 and has been proposed for adoption as a permanent measure. The complete rule text is available on the NYS Department of State website under Building Standards and Codes. The direct link is: www.dos.ny.gov/DCEA/pdf/TEXTCO_20150602.pdf.

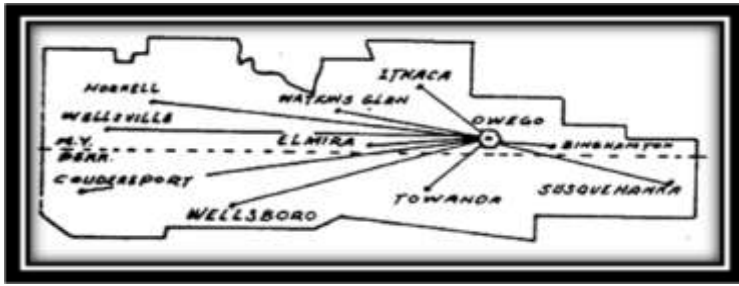
In general the rule will apply to all occupiable buildings in a school district/ BOCES that contain equipment, or systems that may emit products of combustion, including exterior fuel fired heating, ventilating equipment. Buildings include, but are not limited to school buildings, administrative buildings, bus maintenance facilities, concession stands, and field houses. The rule includes a definition of detection zones, and specifically states that every classroom is a detection zone. Therefore, at a minimum, every classroom with a carbon monoxide source will require carbon monoxide alarms or detection systems.



Examples of carbon monoxide sources found in school district buildings include, but are not limited to the following:

- Fuel fired heating systems such as: boilers, heating/ventilating units, makeup air units including roof top or ground mounted units;
- Emergency generation within the building;
- Fuel fired kitchen equipment such as: ranges, ovens, steamers, dishwashers;
- Fuel fired domestic hot water heaters;
- Lab/shop equipment such as: gas outlets (science rooms), torches (welding shop or maintenance areas), gas fired kilns (art rooms), and stationary or portable engines (auto shop); and
- Maintenance operations (propane powered floor machines).

The rule includes a transition period for existing commercial buildings. For the purposes of the rule, a commercial building will be considered to be an existing commercial building if it was constructed prior to December 31, 2015, or if a complete application for the building permit for its initial construction was filed on or before December 31, 2015. The transition period applies only to existing commercial buildings. New commercial buildings will be required to have carbon monoxide detection that complies with the rule, even if construction of the new commercial building is completed prior to the end of the transition period.



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

INDUSTRY ARTICLE

CARBON MONOXIDE IN SCHOOL DISTRICT BUILDINGS (Cont.)

The transition period for existing commercial buildings runs from June 27, 2015 to June 27, 2016.

During the transition period, owners of existing commercial buildings are encouraged to install carbon monoxide detection as quickly as practicable. In addition, during the transition period, the owner of an existing commercial building (school district or BOCES) will not be deemed to be in violation of the rule if the owner provides the authority having jurisdiction (New York State Education Department) with a written statement certifying that such owner is attempting in good faith to install carbon monoxide detection that complies with the requirements of the rule in such owner's existing commercial building as quickly as practicable.

Please note that the transition period provisions do not allow the owner of an existing commercial building to do nothing during the transition period. Carbon monoxide detection that satisfies the requirements of the rule must be installed and must be fully operational in all existing commercial buildings by the end of the transition period.

A short Survey Monkey tool has been developed to satisfy the written certification statement. This can be used during the transition period and may be found at: <https://www.surveymonkey.com/r/MPNWKBG>. Unless the school district's buildings are currently in compliance with the requirements of the rule, SED encourages school districts to complete the certification statement.

Project submissions to SED for work in an existing building during the transition period shall include either a design for carbon monoxide detection for the building that complies with the requirements of the rule or a written statement from the school district Superintendent certifying that the school district is attempting in good faith to install carbon monoxide detection that complies with the requirements of the rule in the school district's existing commercial building as quickly as practicable.

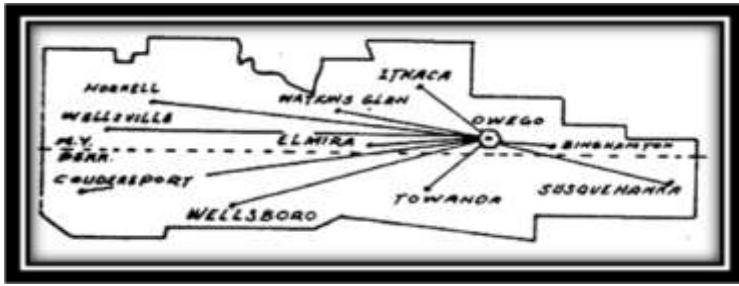
Building permits will be required, and State building aid will be available for the capital work that is required in order to achieve compliance with the requirements of the rule, provided that a minimum of \$10,000 in project costs are incurred. Individual building project submissions to SED may be submitted as a District Wide project to help ensure that the minimum cost of \$10,000 is achieved.

Districts may fund projects through existing maintenance and operational budgets, transfer to capital, \$100,000 annual capital outlay projects, or emergency projects. Emergency projects will be allowed due to the fact that budgeting for these required life safety projects in next year's annual budget will not allow enough time for projects to be installed by the end of the transition period on June 27th, 2016. Please recall that capital outlay projects and emergency projects will be reimbursed in the following aid year. There is likely insufficient time for compliance if a district wished to include costs in an upcoming referendum.

SED is currently considering changes to various required forms such as the Fire Safety Report, and Building Condition Survey, in order to verify compliance with the rule.

SED is also developing specific guidance on where to install CO detection and how to comply with the regulation. This guidance will be provided as soon as possible. For additional information, please see: www.dos.ny.gov/DCEA/noticadopt.html#COAlarm

"CARBON MONOXIDE IN SCHOOL DISTRICT BUILDINGS." *NYSED.gov Facilities Planning*. New York State Education Department, 23 July 2015. Web. 2 Dec. 2015. <http://www.p12.nysed.gov/facplan/Carbon_Monoxide/CarbonMonoxideDetectioninSchoolDistrictBuildings_000.html>.



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

Twin Tiers Chapter– Employment Opportunities

If your company has any Employment Opportunities that you would like to advertise in the Newsletter please send to ASHRAE



Outside Sales Engineer

Outside Sales Engineer Wanted – H&V Equipment Sales, Inc.

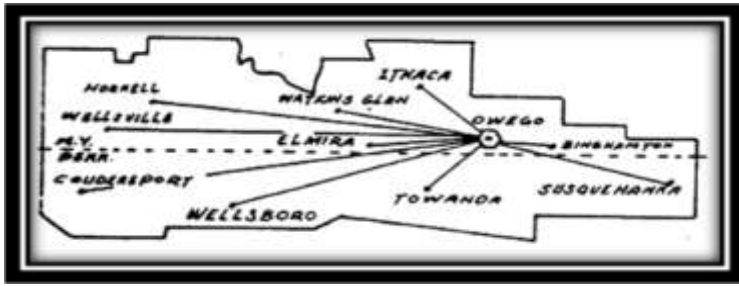
H&V Equipment Sales, Inc. a manufactures representative for applied HVAC equipment is seeking a motivated salesperson to help expand its market presence in Western and Central NY.

Responsibilities will be working with local mechanical contractors in the plan/spec and design/build markets, providing quotations for equipment, generating submittals and sales orders.

Candidates should poses a thorough knowledge of Mechanical HVAC systems, have good communication , sales and computer skills, and be willing to travel within the sales territory.

Other skills considered favorable to the applicant are actual HVAC field installation, service, HVAC design experience and/or HVAC sales experience.

Please email resume to Thomas Snyder at tsnyder@hvgroup.us
H&V Equipment Sales, Inc. is a division of H&V Group.



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

Twin Tiers Chapter– Employment Opportunities

MECHANICAL ENGINEER (HVAC)

Tetra Tech is a leading provider of consulting, architectural, engineering, and technical services worldwide. We are a diverse company, including individuals with expertise in architectural, engineering, construction, science, research, and information technology. Our strength is in collectively providing integrated services—delivering the best solutions to meet our clients' needs. With more than 13,000 employees, 300 offices worldwide and \$2.5 billion revenue in 2014, we provide services to protect and improve the quality of life through responsible resource management, sound infrastructure, and rapid communications ability.

We offer competitive compensation and benefits and are searching for innovative people to join our teams.

We are currently seeking mechanical engineers with various levels of experience to join our team in our Ithaca, NY office.

Responsibilities include:

- Mechanical Engineering on a wide range of building projects: complexity, and responsibility level to vary with experience and ability;
- Perform site visits for existing mechanical systems evaluation and to inspect contract work in progress or completed, prepare associated engineering reports;
- Design building mechanical systems (primarily HVAC) including appropriate system concepts, calculations, energy modeling, layout, sizing, selections, specifications and coordination;
- Review and respond to project design work by team members and to RFIs, submittals, and other construction related documents and issues in a professional and timely manner;
- Monitor and controls 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;

Experience with design of mechanical systems for educational facilities is desired;

Licensed Professional Engineer (PE) or 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;

Possesses strong communication and interpersonal skills.



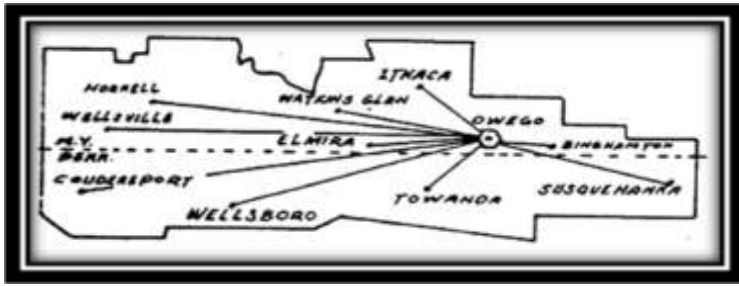
If you are interested in this opportunity apply on-line at:

<https://tetrattech.taleo.net/careersection/2/jobsearch.ftl?lang=en&portal=101>

Job Number: INE00000021

Tetra Tech is an equal opportunity employer. We invite resumes from all interested parties including, women, minorities, veteran, and persons with disabilities. Tetra Tech is a VEVRAA federal contractor.

EOE AA M/F/Vet/Disability



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

Twin Tiers Chapter– Employment Opportunities



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.

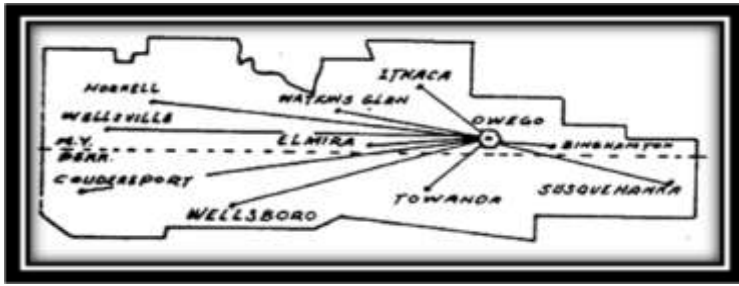
The ideal candidate will possess:

- 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

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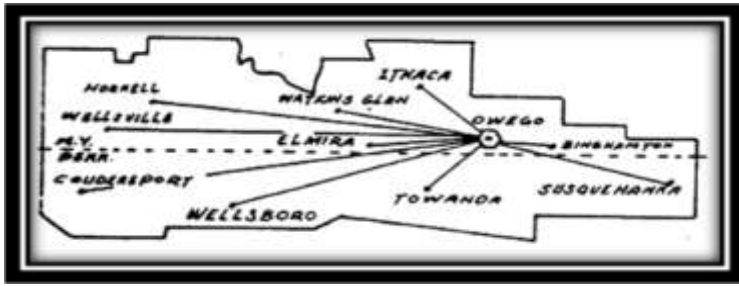
We are currently seeking a Mechanical Engineer with a strong focus and background in Building Projects to work in our Elmira Heights, NY Office. This position will work closely with the mechanical engineering staff to develop concepts, strategies, designs, drawings, specifications and reports.

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– Employment Opportunities

LaBella
Associates

Engineering
Architecture
Environmental
Planning

Junior Electrical 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.

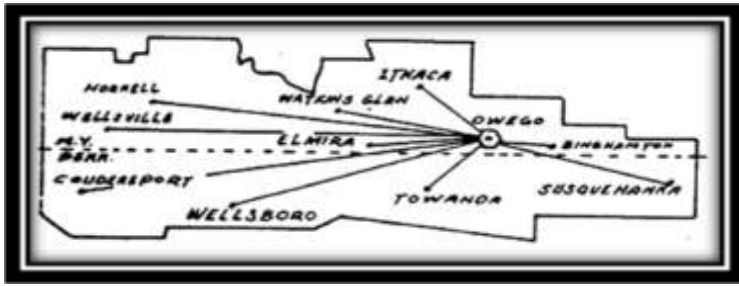
We are currently seeking a Junior Level Electrical Engineer with a career interest in Building Projects to work in our Elmira Heights, NY office. This position will work with other Engineers as part of a Project Team to develop concepts, strategies, designs, drawings, specifications and reports. Duties may also include assisting with energy clients.

AutoCad experience required. Bachelor's degree and a minimum of two years experience in the A/E consulting business is required.

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.

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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, 2015.

- New subscription will run the calendar year 2016.
- Cost to advertise for the 2016 year is \$50.
- Sign up now for the 2016 year On Pay Pal <http://twintiers.ashraechapters.org>

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

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

- Email a copy of your business card to Twin Tier Newsletter Editor Email.

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

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

Business Card Advertising 2016

The Twin Tiers Chapter of ASHRAE can accept business card advertising with the following provisions:

- The company must be associated with HVAC&R technology.
- The company must be a local service provider, a local manufacturer, or a manufacturer's representative serving the area.

If you aren't sure, just ask.

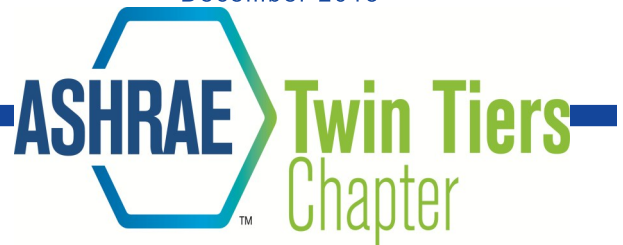
We are now accepting business card advertisements for the newsletters that will be published in 2016. This is a great opportunity to get your name and business in front of the over 200 subscribers to our chapter newsletter. The price for the newsletter only is \$50 for the entire 2016 year.

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

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

Twin Tier Newsletter Editor Email

American Society of Heating, Refrigerating,
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**Thank you
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Richard R. Sanguinito, PE, LEED AP
Vice President

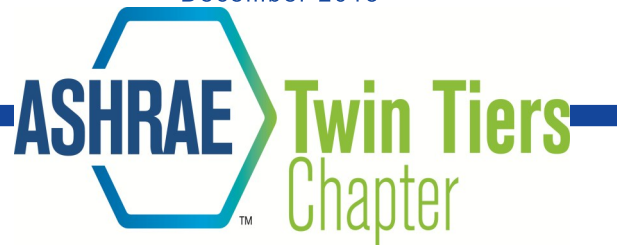
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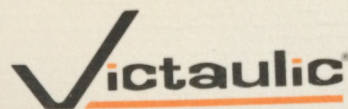
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ASHRAE Mission Statement

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.

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