



HAPPY HOLIDAYS AND HAPPY NEW YEAR!

Inside this issue:

President's Message	1
LI Chapter Officers	2
Meeting Schedule	3
Program	4
LI Past Presidents	5
PAOE	5
Research Promotion	6
Membership	7
History	8
YEA	9-10
GGAC	11
CTTC	12-14
ASHRAE Certifications	15
ASHRAE Social Media	16
Advertisements	17-19

President's Message

Welcome all to the December edition of the Sounder. It has been an exciting year! Travel was still limited this year but a few of us were able to make it to the CRC in Maine, presidential training in Troy, NY, and of course our very own Westbury Manor. The December 9th even at Platt-deutsche Biergarten in Franklin Square will cap off the year for special events. Thank you to Klima NY for sponsoring!

Next year looks very promising as we will kick it off with the AHR Expo Jan 29-Feb 2, 2022 in Las Vegas! We are planning a few other local events such as our annual golf outing, annual field trip, and possibly more. Details for both will be announced shortly.

I want to apologize for the late speaker cancellation last month, but we will reschedule with SMACNA for early in 2022. Special thanks to John Knowles from Wales Darby for stepping up at the last minute!

We are in the middle of our Membership Battle! See details below in our membership promotion segment and help the chapter by promoting membership in your company.



CHAPTER MONTHLY MEETING

DATE:	Tuesday, December 14, 2021
TIME:	6:00 PM - Cocktails/Dinner 7:00 PM - Dinner Presentation 8:45 PM - Conclusion
LOCATION:	Westbury Manor 1100 Jericho Tpke. Westbury, NY 11590
FEES:	
Members -	\$50.00
Guest -	\$60.00
Student -	\$15.00

Please keep an eye on the website, www.ashraeli.com, for the most up to date information on monthly presentations, upcoming events, etc.

If anyone is interested in volunteering with us, please come say hi at the meeting. We are always looking for volunteers!

Regards,

Matthew Vitrano
President - Long Island Chapter

Check the ASHRAE Website for Society news and to join/renew membership!
<http://www.ashraeli.com>

Long Island Chapter Officers & Committees

ASHRAE 2020/2021 OFFICERS

POSITION	NAME	PHONE	EMAIL
President	Matthew Vitrano	516.319.9325	c006@ashrae.net
President-Elect	Murat Bayramoglu	631.312.8818	c006pe@ashrae.net
Vice President	Michael Nigro	212.643.9055	c006vp@ashrae.net
Treasurer	Elizabeth Jedrlnic	516.490.1621	c006tr@ashrae.net
Secretary	Matthew Catan	407.489.6684	c006sec@ashrae.net
Board of Governors	Michael Razzano	516.805.3084	c006bog1@ashrae.net
Board of Governors	Zhigang Xu		c006bog2@ashrae.net
Board of Governors	Rich Smith		c006bog3@ashrae.net
Board of Governors	Michael S. Gerazounis	212.643.9055	c006bog4@ashrae.net
Board of Governors	James Hanna	718.269.3768	c006bog5@ashrae.net

ASHRAE 2020/2021 COMMITTEES

COMMITTEE	NAME	PHONE	EMAIL
Programs & Special Events	Murat Bayramoglu	631.312.8818	c006pe@ashrae.net
Membership (MP)	Michael Razzano	516.805.3084	c006mep@ashrae.net
Refrigeration	Andrew Dubel		c006ref@ashrae.net
Chapter Technology Transfer (CTTC)	Murat Bayramoglu	631.312.8818	c006cttc@ashrae.net
Grassroots Government Activities (GGAC)	James Hanna	718.269.3768	c006ggac@ashrae.net
Newsletter Editor	Liset Cordero	212.643.9055	c006ne@ashrae.net
Research Promotion (RP)	Michael Nigro	212.643.9055	c006rp@ashrae.net
Historian	Elizabeth Jedrlnic	516.490.1621	c006his@ashrae.net
Student Activities (SA)	Matthew Catan	407.489.6684	c006sa@ashrae.net
Young Engineers in ASHRAE (YEA)	Michael S. Gerazounis	212.643.9055	c006yea@ashrae.net
Webmaster	Frank Paradiso	631.632.2792	c006web@ashrae.net
Nominating	Michael Gerazounis, PE, LEED AP	212.643.9055	nominating@ashraeli.org
Reception & Attendance	Zhigang Xu / Matt Catan / Michael S. Gerazounis		reception@ashraeli.org
PR & Engineering Joint Council of LI (EJCLI) Liaison	Andrew Manos, LEED AP	631.632.2792	pr@ashraeli.org
Golf Outing	Peter Gerazounis, PE LEED AP	212.643.9055	golf@ashraeli.org
Awards	Brian Simkins	203.261.8100	c006ha@ashrae.net
ASHRAE LI, P.O. Box 79, Commack, NY 11725			

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Chapter Monthly Meeting - Program for 2021/2022

September 14, 2021 * At Westbury Manor ✓ Dinner Presentation – Fan Fundamentals Presenter: Andy Siegelson Refrigeration Night **1 PDH**	March 8, 2022 * At Westbury Manor Dinner Presentation— TBD Presenter: TBD **1 PDH** Student Activities Night YEA Night
October 12, 2021 * At Westbury Manor ✓ Dinner Presentation — PPRCT Pipe and Fitting Systems for HVAC Water Distribution and Compressed Air Distribution Presenter: Jordan Stern **1 PDH**	April 12, 2022 Dinner Presentation— TBD Presenter: TBD **1 PDH**
November 9, 2021 * At Westbury Manor ✓ Dinner Presentation— Critical Environment Air Distribution Applications Presenter: Larry Scholl, CEM, LEED AP BD+C **1 PDH** Membership Promotion Student Activities Night and YEA Night Resource Promotion Night	May 2, 2022 * Cherry Valley Club, Garden City, NY ANNUAL GOLF OUTING
December 14, 2021 * At Westbury Manor Dinner Presentation— Eliminating the High Cost of Over Pumping Presenter: Rick Smith **1 PDH**	May 10, 2022 Annual Field Trip
January 11, 2022 * At Westbury Manor Dinner Presentation— TBD Presenter: TBD **1 PDH**	June 14, 2022 * At Westbury Manor Free Buffet Dinner for Members PAST PRESIDENTS NIGHT & OFFICER INSTALLATION STUDENT SCHOLARSHIPS TO BE AWARDED ASHRAE History Quiz and prize Give-A-Ways
January 29 - February 2, 2022 ASHRAE Winter Conference	June 2022 - TBD (4pm-8pm) * Dixie II @ Captree State Park Boat Basin, NY ANNUAL FISHING TRIP
February 8, 2022 * At Westbury Manor Dinner Presentation— TBD Presenter: TBD **1 PDH** Membership Promotion Night Resource Promotion Night	August 2022 CHAPTERS' REGIONAL CONFERENCE (CRC) REGION I GRANIT STATE
February 20-26, 2022 NATIONAL ENGINEERS WEEK	

Meeting Program



Dinner Presentation

Eliminating the High Cost of Over Pumping

Presented by

Rick Smith
Regional Applications Consultant
Northeast Region

**Attendees
Will Earn
1 PDH!**

DATE:	TUESDAY, DECEMBER 14, 2021		
Time:	6:00 PM - Cocktails and Hors D'oeuvres 7:00 PM - Dinner Presentations 8:45 PM - Conclusion	Fee:	\$ 50.00 Member \$ 60.00 Guest \$ 15.00 Student
Location:	WESTBURY MANOR (516) 333-7117 1100 Jericho Tpke., Westbury, NY 11590 Directions are posted at @ www.ashraeli.org		
Presentation:	<p>This month's presentation will examine how inadequate hydronic balancing will cause over pumping and low delta T. Low delta T is very costly but can be corrected. Keeping the water in the coils per their design will allow chillers, coils, and pumps to perform according to their design specifications. We will review savings calculations based on correcting low delta T.</p> <ul style="list-style-type: none"> • Flow Study and Pumping Cost Analysis • System Design and Sizing (Valve-Coils-Chillers) • Pressure Independent Valves/Dynamic Balancing • Delta T Management, Correcting Low Delta T • Case Studies • Data Analysis, Optimization and Functionality • Calculate Savings • Heating Applications • Systems Running as Designed <p>All attendees will receive 1 PDH.</p>		
About our Speaker:	<p>Rick Smith is currently the Regional Applications Consultant (RAC) for Belimo Americas representing the North East Region. Rick started at Belimo as the Network Administrator for the Americas and transferred into field sales and support of Belimo's line of Damper Actuators and Control Valves. After 15 years of supporting HVAC Controls and Mechanical Contractors, Engineering firms and end users, Rick assumed the RAC position to offer his assistance in HVAC related applications in regards to product selection, data analytics and advanced technical training. Rick specializes in the pre and post installation and performance monitoring of Belimo's line of energy saving "smart" actuators, control valves, and IoT end devices. Rick was instrumental in the creation and maintenance of Belimo's Energy Valve Data Analysis Tool which imports data from smart actuators to calculate performance values and energy savings reports.</p>		

CHAPTER MAY NOT ACT FOR SOCIETY

An International Organization

The Long Island Chapter is looking for presenters for the remainder of the year. Please contact us if you are interested in presenting to our membership.

Long Island Chapter - Past Presidents

1958	H. Campbell, Jr. PE	1990	Robert Rabell
1959	Clyde Alston, PE	1991	Gerald Berman
1960	Sidney Walzer, PE	1992	Donald Stahl
1961	Sidney Gayle	1993	Ronald Kilcarr
1962	William Kane	1994	Jerald Griliches
1963	Louis Bloom	1995	Walter Stark
1964	Milton Maxwell	1996	Joe Marino
1965	Will Reichenback	1997	Norm Maxwell, PE
1966	Joseph Minton, PE	1998	Alan Goerke, PE
1967	Irwin Miller	1999	Frank Morgigno
1968	Walter Gilroy	2000	Michael Gerazounis, PE, LEED AP
1969	Charles Henry	2001	Ray Schmitt
1970	William Wright	2002	Steven M. Stein, PE
1971	Louis Lenz	2003	Andrew Braum, PE
1972	Ronald Levine	2004	Claudio Darras, P.E.
1973	Henry Schulman	2005	Craig D. Marshall, P.E.
1974	Myron Goldberg	2006	John Nally
1975	John N. Haarhaus	2007	Peter Gerazounis, PE, LEED AP
1976	Richard K. Ennis	2008	Steven Friedman, PE, HFDP, LEED AP
1977	Kenneth A. Graff	2009	Steven Giammona, P.E., LEED AP
1978	Evans Lizardos, PE, LEED AP	2010	Nancy Román
1979	Albert Edelstein	2011	Carolyn Arote
1980	Ralph Butler	2012	Brian Simkins, LEED AP
1981	Robert Rose, PE	2013	Andrew Manos, LEED AP BD+C
1982	Timothy Murphy, PE	2014	Richard L. Rosner, P.E.
1983	Leon Taub, PE	2015	Thomas J. Fields, P.E., LEED AP
1984	Raymond Combs	2016	Donald Kane, P.E.
1985	Edward W. Hoffmann	2017	Andrew Dubel, P.E., LEED AP
1986	Jerome T. Norris, PE	2018	Richard Halley
1987	Abe Rubenstein, PE	2019	Frank Paradiso
1988	Michael O'Rourke	2020	James Hanna
1989	Mel Deimel		

PAOE POINTS FOR 2021/2022

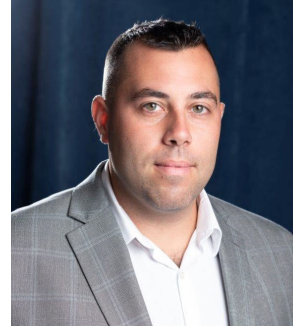
Chapter Members	Chapter Operations	CTTC	Communi-cations	GGAC	History	Member-ship	Research Promotion	Student Activities	YEA	Chapter PAOE Totals
282	445	650	0	0	120	650	190	125	1,350	3,530

Research Promotion

"It is every man's obligation to put back into the world at least the equivalent of what he takes out of it" -- Albert Einstein

ASHRAE LI is \$3,400 shy of meeting our 30% Goal due by 12/1/2021. Please make an effort to donate today!

I would like to thank the companies who have participated in the annual Product Directory of Manufacturers and their Representatives. The product Directory has been prepared as a service to all its members and as a service to the local HVAC industry. It will be made available to all ASHRAE and non-ASHRAE members at no-cost and can be obtained from our monthly meetings or directly from our website.



This year's overall research promotion goal is \$2,593,341 with many research projects on board. Our chapter is expected to raise \$20,400 towards the overall goal. I am hoping that I can count on the continued support of all our past contributors who have generously supported us over the years. I also look forward to gaining the support of new contributors this coming year. Last year we were successful in beating our goal by over \$8,000 and am hopeful that this year we can continuously raise the bar.

Thank you to our contributors:

Individual

John D. Nally
Michael Gerazounis
Matthew K. Bendix
Elizabeth Jedrlinic
Andrew E. Manos
Matthew Vitrano
Michael Nigro
Murat Bayramoglu
Michael Steven Gerazounis
Richard W. Smith
Michael H. Razzano
James Hanna

Companies

H2M Architects + Engineers
Robert Half

CONTRIBUTIONS CAN BE MADE IN THE FOLLOWING WAYS:

1) You can mail your checks, made out to ASHRAE Research Promotion:

Michael Nigro

ASHRAE Research Promotion Chair

PO BOX 79

Commack, NY 11725

2) You can bring your check to any of the meetings and hand to myself or Elizabeth.

3) You can contribute via PayPal from the ASHRAE LONG ISLAND web site, just click on the donate button.

4) You can contribute directly on-line. www.ashrae.org



*** Please make sure you accredit your contribution to the LONG ISLAND CHAPTER 006 ***

Thank you again for all of your support!

Michael Nigro

Research Promotion Chair

Membership Promotion

We would personally like to thank anyone who brought down prospective members or who encouraged others to sign up during our membership promotion evening last month. As we have new members continuing to sign up, there is still concern that many of our longtime members have not renewed their membership yet. To renew online go to <https://www.ashrae.org/membership/renew>. Please note to confirm your contact information while you are renewing your membership. If you would like the newsletter sent to others, like schools, vendors, clients, etc. please let me know and we can add them to the database as well or they can do it <http://www.ashraeli.com/newsletter.html> and read the newsletters online or sign up there themselves. There is no charge for this service. I hope to see you at our December 14th meeting and while there if you have any questions and/or concerns about membership, please feel free to ask anytime.



As mentioned in last month's Membership article, we have a "Membership Battle" going on! This is based on your percentage growth at the end of the year. The three (3) categories are:

- Small Firms - 15 employees or less
- Medium Firms - 16 to 50 employees
- Large Firms - over 51 employees

Currently, we have the following companies enrolled in their respective categories:

- Small Firms - 15 employees or less - NONE
- Medium Firms - 16 to 50 employees - Rathe Associates; Klima NY; Stony Brook Engineering
- Large Firms - over 51 employees - H2M; MG Engineering; Trane

If you would like to enroll your company into the "Membership Battle," please contact me and ask your colleagues to update their profile information & RESPECTIVE EMPLOYER.

I would like to informally welcome our new members this month: **Michael S Goethe and Ronaldo A Bazan**

On another note, I would like to thank Klima NY for sponsoring an ASHRAE Long Island membership event this past month! Thank you Klima NY for your constant support, membership encouragement, motivation & guidance!

Please Join

KLIMA & **ASHRAE**
NEW YORK, LLC

At the Plattduetsche Park Biergarten for an evening of dinner and drinks!

Where: Plattduetsche Park Biergarten
1132 Hempstead Turnpike, Franklin Square, NY 11010

When: Thursday, December 9th from 5:00pm to 9:00pm

Please RSVP to Marketing@KlimaNY.com & MichaelR@KlimaNY.com
by Wednesday, December 1st

Biergarten

Happy Holidays and to another great ASHRAE year!

Michael H. Razzano
Membership Promotion Chair

Richard Smith
Membership Promotion Co-Chair

History

Happy Holidays Everyone! Here at ASHRAE, we always like to touch base with our past presidents and see what it was that drew them to ASHRAE and getting involved in the first place. I recently was able to interview James Hanna, who had the challenge of being president during the first year of the pandemic.

James Hanna

Account Manager, Trane Technologies



1. What attracted you to engineering and the HVAC industry? **The design aspect. Every building is different. Each project is unique and challenging. This industry is also ever changing. The ability to constantly learn throughout one's career.**
2. What was your first job in the HVAC industry and where did it lead? **First job was with Kool Kwik. They had the warranty repair and service contract for AC Wall and Window units sold by PC Richards.**
3. Describe the industry at that time. **Residential. Customer Facing. Not much has changed. The general public are polite when comfortable and irritable when uncomfortable.**
4. How and when did you get started in ASHRAE? **2010. At that time, my immediate boss ask me if I wanted a free dinner once a month. I was all in after that.**
5. What was your ASHRAE chapter, regional and Society experience? **After joining ASHRAE is 2010, I quickly joined the BOG and volunteered as the receptionist at our local chapter meetings. From there, I followed the traditional BOG path.**
6. What were the major issues facing ASHRAE during your presidency? **The largest issue during my Presidency was navigating COVID regulations.**
7. What do you consider to be the major accomplishments during your term? **My proudest accomplishment was, with the assistance of our BOG, instituting a hybrid meeting approach. This allowed all members to actively participate, either in-person or remote.**
8. Are there any things that you wish you could have done differently? **Due to COVID, there were restrictions on outside events and gatherings. This limitation was the only thing I wish that could have been different.**
9. What events have changed the industry since your presidency? **COVID. Indoor Air Quality Measures. Remote Learning.**
10. What advice would you give to a young person entering the HVAC field? **Get Involved!! ASHRAE provides you the tools to be successful. Both professionally and developmentally.**
11. What other interests and/or hobbies do you have? **Avid skier. Recently, volunteer coach for my kid's little league games.**

Elizabeth Jedrlinic
History Chair

Michael Razzano
History Co-Chair

YEA

LeaDRS This program is still available to all ASHRAE members who wish to shadow their Director and Regional Chair at an ASHRAE conference. Anyone interested should reach out to their region's DRC.



Region	DRC	Email
Region I	Mr. Steven C Sill	r01drc@ashrae.net
Region II	Mr. Ronald Gagnon	r02drc@ashrae.net
Region III	Mr. Mark A Tome, PE	r03drc@ashrae.net
Region IV	Mr. Steven Marek	r04drc@ashrae.net
Region V	Mr. Douglas F Zentz	r05drc@ashrae.net
Region VI	Mr. Richard D Hermans PE	r06drc@ashrae.net
Region VII	Mr. Chris M Gray PE	r07drc@ashrae.net
Region VIII	Mr. Randy C Schrecengost, PE	r08drc@ashrae.net
Region IX	Mr. Tyler J Glesne	r09drc@ashrae.net
Region X	Mr. Devin A Abellon, PE	r10drc@ashrae.net
Region XI	Mr. N Eileen Jensen, PE	r11drc@ashrae.net
Region XII	Mrs. Robin Bryant	r12drc@ashrae.net
Region XIII	Mr. Apichit Lumlertpongpana	r13drc@ashrae.net
Region XIV	Mr. Andres J Sepulveda	r14drc@ashrae.net
Region-at-Large	Dr. Richie Mittal	raldrc@ashrae.net

YEA Scholarship For HVAC Design Essentials Training

This scholarship covers the full cost of registration to Level I (essentials) or II (applications) training, applications close on December 12th so please apply soon if you are interested. Additional details can be found at the link below.

<https://www.ashrae.org/communities/young-engineers-in-ashrae-yea/yea-events-and-programs/yea-scholarship-for-hvac-design-essentials-training>

Criteria: All applicants must be ASHRAE members and 35 years of age or younger as of July 1 of the current society year (student members not eligible). Applications will be open from Friday, October 15th, 2021 to Sunday, December 12th, 2021. Apply. If you have any questions, please contact YEA at youngengineers@ashrae.org or (678) 539-1178.

YEA

City	Level I	Level II	Registration
Virtual	November 29-December 3, 2021 (AM)	December 15-17, 2021 (AM)	LEARN MORE
Virtual		December 15-17, 2021 (AM)	LEARN MORE
Atlanta, GA	January 10-12, 2022	January 13-14, 2022	LEARN MORE
Virtual	January 10-14, 2022 (AM)	January 19-21, 2022 (PM)	LEARN MORE
Virtual		January 19-21, 2022 (PM)	LEARN MORE
Virtual	February 7-11, 2022 (AM)	February 23-25, 2022 (PM)	LEARN MORE
Las Vegas, NV	February 14-16, 2022	February 17-18, 2022	LEARN MORE
Virtual		February 23-25, 2022 (PM)	LEARN MORE
Atlanta, GA	March 7-9, 2022	March 10-11, 2022	LEARN MORE
Virtual	March 21-25, 2022 (AM)	March 28-30, 2022 (PM)	LEARN MORE
Virtual		March 28-30, 2022 (PM)	LEARN MORE
Denver, CO	April 4-6, 2022	April 7-8, 2022	LEARN MORE
Virtual	April 18-22, 2022 (AM)	April 25-27, 2022 (PM)	LEARN MORE
Virtual		April 25-27, 2022 (PM)	LEARN MORE
Toronto, ON	May 9-11, 2022	May 12-13, 2022	LEARN MORE
Salt Lake City, UT	May 16-18, 2022	May 19-20, 2022	LEARN MORE
Virtual	May 16-20, 2022 (PM)	May 23-25, 2022 (AM)	LEARN MORE
Virtual		May 23-25, 2022 (AM)	LEARN MORE
Vancouver, BC	June 6-8, 2022	June 9-10, 2022	LEARN MORE
Virtual	June 6-10, 2022 (PM)	June 13-15, 2022 (PM)	LEARN MORE
Virtual		June 13-15, 2022 (PM)	LEARN MORE
Atlanta, GA	June 13-15, 2022	June 16-17, 2022	LEARN MORE

Michael S. Gerazounis
YEA Chair

Rich Smith
YEA Co-Chair

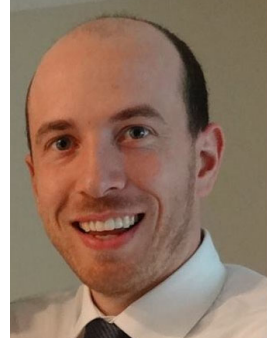
Grassroots Government Activities Committee (GGAC)

Happy holidays to everyone! Looking forward to seeing everyone at the holiday party this month. I'd like to take a minute to let you know that we're actively planning an event for GGAC called a "Day on the Hill".

We're planning this with several regional chapters and I would greatly appreciate any participation. Details are still being ironed out, but this is a quick overview of the "Day on the Hill" entails:

GGAC Encourages Chapters to Hold Day on the Hill Events

ASHRAE's Grassroots Government Advocacy Committee continues to encourage Chapters to coordinate a Day on the Hill (DOTH) visit with your state or provincial legislative body. In years past, Chapters in seven states and in Canada organized meetings with their elected leaders, provided information about ASHRAE and offer to be the "go-to" professionals when issues arise affecting the industry. It is the goal of the Committee to continue promoting the DOTH visits and a number of Chapters have already been contacted. The Committee also encourages those Chapters who held a DOTH visit in the past to do so again. Additionally, a second major focus this year is the establishment of a program, by each Chapter, to make regular contacts with members of the U.S. House and U.S. Senate for their State. Meetings with the member and local staff of the U.S. Senate and House of Representatives could be held at the local offices throughout the State. The GGAC has established an MBO to develop this program, therefore, you will be receiving more information in the near future.



James Hanna
Membership Promotion Chair

Rich Smith
Membership Promotion Co-Chair



CTTC

BEQ

The BEQ of ASHRAE's has multiple new features. The impact of the BEQ portal in the HVAC-R and energy industries are increasing after the energy concerns started to become more effective in decision making. NYC has thousands of 100 years old building which require renovation eventually not only for climate concerns but also sustainability concerns of these properties.

Below is a quota from ASHRAE BEQ portal.

*For an official Building EQ Performance Score to be reviewed and approved by ASHRAE, the project must be submitted by a credentialed user. Credential Users include ASHRAE BEAPs, ASHRAE BEMPs, DOE Better Buildings Workforce Guidelines Building Energy Auditors (AEE CEA), DOE Better Building Workforce Guidelines Energy Managers (AEE CEM and EMA EMP), and Professional/Chartered Engineers in the jurisdiction where the building is located. Credential users will also have access to several reports. There is a one-time set-up fee to verify credentials.

- \$0 ASHRAE Certified BEAP or BEMP
- \$15 ASHRAE member CEA, CEM, EMP or Professional / Chartered Engineer
- \$25 Non-ASHRAE member CEA, CEM, EMP or Professional / Chartered Engineer

* <https://www.ashrae.org/technical-resources/building-eq/building-eq-portal>

The portal help designers and energy engineers to determine the design considerations. Hover around the portal to see how BEQ may help your business (**see following pages for more information**).


In the meantime, follow upcoming events on Long Island Sounder Newsletter and on social media link: <https://www.linkedin.com/in/ashraeli/>

We are excited to see all our Chapter members on December 14th, 2021, Tuesday 6:00 PM at Westbury Manor. The December meeting by Rick Smith from Belimo is about "Eliminating the high cost of over pumping". Belimo also sponsors the cocktail hour. We expect a great turn out on this holiday season

Murat Bayramoglu
CTTC Chairman

Thomas DiBenedetto
CTTC Co-Chairman





Building EQ

POWERED BY ASHRAE

Building EQ Disclosure

Be an Energy Genius

BUILDING IDENTIFICATION INFORMATION					
Building Name: <input style="width: 150px;" type="text"/>			Assessment Date: <input style="width: 100px;" type="text"/>		
Building Type: <input style="width: 150px;" type="text"/>			Gross Floor Area (sq ft): <input style="width: 100px;" type="text"/>		
Building Owner: <input style="width: 150px;" type="text"/>			Year Built: <input style="width: 100px;" type="text"/>		
Building Address: <input style="width: 150px;" type="text"/>			Zip Code: <input style="width: 100px;" type="text"/>		
Building Contact: <input style="width: 150px;" type="text"/>					
Qualified Energy Professional (PE, BEAP, BEMP): <input style="width: 150px;" type="text"/>					

BUILDING ENERGY USE SUMMARY					
Simulated Use		ENERGY (kBtu)	Metered Use		
Site	Source		Site	Source	
		Electricity			
		Natural Gas			
		Fuel Oil			
		Purchased Steam			
		Purchased chilled Water			
		Other:			
		Other:			
		Gross Energy Use	0		0
		Qualified Renewable Energy			
		Net Energy Use	0		0

DESIGN POTENTIAL				ENERGY USE INTENSITY		ACTUAL METERED	
Site	Source			(kBtu/sf-yr)	Site	Source	

BUILDING EQ BUILDING PERFORMANCE SCORE			
ASHRAE Building EQ - As Designed		ASHRAE Building EQ - In Operation	
SCORE	YEAR	SCORE	YEAR

ENERGY STAR RATING FOR JURISDICTIONAL COMPLIANCE			
ENERGY STAR Target Finder		ENERGY STAR Portfolio Manager	
RATING	YEAR	RATING	YEAR

ATTACHMENTS			
Y / N	Statement of Energy Design Intent	Statement of Energy Performance	Y / N
Y / N	Energy Simulation Data	ASHRAE Level 1 Energy Audit Report	Y / N
Y / N	ASHRAE Building EQ Data	ASHRAE Building EQ Data	Y / N

CERTIFIED BY	
Owner's Rep: <input style="width: 150px;" type="text"/>	<input style="width: 150px;" type="text"/>
NAME	SIGNATURE

ashrae.org/BuildingEQ



CTTC

ASHRAE

1791 Tullie Circle, NE, Atlanta, GA 30328

**AS DESIGNED
IN OPERATION
March 2017****Excellent****0****100**
Average**200**
Inefficient**45**
AS DESIGNED
50
IN OPERATION**45**
AS DESIGNED
POTENTIAL ENERGY PERFORMANCE**50**
IN OPERATION
ACTUAL ENERGY PERFORMANCEBuilding Energy Quotient
Building Performance Score

ASHRAE CERTIFICATIONS

Certification



ASHRAE, accredited by ANSI under ISO/IEC 17024 for the High-Performance Building Design Professional (HBDP) program, has certified more than 2,000 Built Environmental Professionals.

Energy Assessment

Energy Modeling

Commissioning

Healthcare
Facility Design

High-Performance
Building Design

Building Operations

ASHRAE certification programs:

- Are developed by industry practitioners who understand the knowledge and experience that are expected for superior building design and system operation
- Assure employers and clients of subject mastery
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