

THE LONG ISLAND SOUNDER



Long Island
Chapter

2022-2023

IN THIS ISSUE

President's Message	3
Meeting Program	6
Long Island Chapter Officers	7
Meeting Schedule	8
Long Island Chapter Past Presidents	9
PAOE	10
Research Promotion	11
History	12
CTTC	13
YEA	15
Student Activities	17
Sustainability Committee	18
Government Affairs Committee	20
Membership Promotion	22
ASHRAE Certifications	24
ASHRAE 365	25
ASHRAE Conferences	26
Advertisements	27

PRESIDENT'S MESSAGE



FALL SEASON 2022

We successfully implemented our monthly board meeting and chapter dinner at October Meeting with all board and committee chairs' attendance. It went well effectively and productively. I want to thank all volunteers for their efforts.

The presentations by Jacob Goldman and Adrian Zebrowski attracted over 30 guests at the last meeting. Mr. Goldman's presentation about the IRA (Inflation Reduction Act) was informative, and the information he provided could significantly spear the firms' sales if used effectively. I think having brief presentations before the main presentation may help increase participation in assisting us in maintaining our operations and reaching goals more quickly. The main presentation by Mr. Zebrowski about the implications of pumping

performance towards the LL97 preparedness provided information about how minor changes can easily make buildings stay within compliance through the first round. The design and consulting firms can translate energy efficiency as a new product line on their sales pitch.

Last month GA Chair Rich Smith drove to Albany at 4:00 am to represent our Chapter for the "Fall Breakfast Event w/ New York State & NYC Leadership" event. He met with NYC, NYSERDA, and government officials to discuss and offer support as a Chapter for shaping the future of the ongoing electrification and decarbonization efforts. ASHRAE society led the HVAC-R industry by producing numerous sources that prospered with volunteering members and technical crew for over 100 years and still doing so. To me, this is a fantastic structure. With all this unprecedented information of technology, ASHRAE society has already integrated itself into this change toward systems' renovation. The ASHRAE leaders in the society and chapter levels are aware of this new direction and have already started to take the lead in these infrastructure overhauls. Most engineers know that the time to renovate and upgrade outdated systems has arrived significantly since the US HVAC-R technology has already lagged behind most developing countries. To retake the lead, I'm aware that we all have put in extra painful efforts which extract us from our comfort zones, but they are worthwhile. The history of the US is full of success stories of people trying to implement projects quoted as "IMPOSSIBLE" by most. Yes, if we don't try, everything is impossible. I assume we don't want to be on history's "IMPOSSIBLE" side. We all know that being GREAT AGAIN doesn't happen spontaneously, requiring a collaborative effort and sacrifices. As engineers and HVAC-R industry professionals of the Long Island Chapter, we contribute our share by adding many volunteering hours to their free time instead of enjoying it with their families or private activities.

On the Chapter operations side, we are financially in stable conditions thanks to all past boards. This year we have great companies sponsoring us, such as TRANE, KLIMA, SRS, RATHE ASSOCIATES, CARRIER ENTERPRISE, and D&B BUILDING SOLUTIONS, BELIMO. A \$1500 portion of their sponsorship money is allocated for the RP fund. We also, as board members, donate to this fund as much as \$150 per year. The more fund we raise, the more fund goes to RP. In this regard, Andy Manos, regional vice chair of RP, does an incredible job every year, with only last year raising over \$250K for ASHRAE Region 1 RP donations.

I want to remind all members is that the chapter should increase membership this year. Our membership increase goal assigned by ASHRAE Region 1 Membership Promotion Vice Chair for this ASHRAE calendar year is 6. This is only a 2% increase out of 277 members. It sounds easy, but it is not. Yes, we are gaining new members each month but losing also. The net has been close to zero within the past year. We can turn this around by being more active and reaching out to our coworkers by inviting them to the monthly meetings. Our membership promotion chair, Michael Razzano, has some plans to implement but this requires a collaborative effort rather than MP chairs only. Zhigang Xu, the Student Activities Chair, has plans to implement such as Design Competitions in colleges and activating the Student Branches. He will also distribute scholarships to the winning students at the end of the year. Student Activities are critical to gaining new members in the long run. We may not turn around net membership gain in a positive direction immediately, but the students will be willing to join ASHRAE after graduation if we can present the value in joining the Chapter. An essential activity for gaining more members, in my opinion, in addition to the MP-specific activities, is to award the most successful engineers and engineering design firms of Long Island publicly. This would include sales and construction firms. Brian Simkins is working on putting together prerequisites for this awarding program for the end-of-the-year gala. Government Affairs committee Rich Smith, James Hanna, and Chris Mackey are putting efforts to invite Long Island and state officials to the year-end organization. Similarly, YEA activities will bolster our membership. We have Elizabeth Jedrlnic on our board, the Regional Vice Chair of YEA, an excellent resource for Michael Gerazounis in organizing YEA activities. He will reach out to young members during YEA events to young engineers in conveying the benefits of chapter membership and the details of design awards.

The stories behind these activities at the Chapter and Regional level are being collected by our Historian, Chris Mackey. The CTTC chair Thomas DiBenedetto lays the tiles in the correct pattern. Peter Conte is taking responsibility for the reception. Peter Conte has two past presidents, Andrew B. Dubel and Matthew J. Vitrano, in his refrigeration committee, where an exciting event may take root. Albert Stark's debut on the first meeting presentation was sharp. Golf outing committee chair, another past president, Peter Gerazounis puts his expertise in the biggest event of our Chapter's. I feel lucky to have that the new volunteers and many past presidents are contributing to the Chapter activities shoulder to shoulder.

In conclusion, we can become one of the leading chapters at the national level when we manage to synchronize our duties as a board and committee chair timely, including active members, reducing entropy, and developing harmony with our members. ASHRAE society comprises not only the HVAC-R industry professionals but also the architects, building managers, and building owners. While the engineers build systems for the buildings and the managers and owners have a chance to meet industry professionals to convey their existing operational experiences for best-performing and least costly operating systems. We want to connect with more building managers, operators, and owners. Architects and developers could meet diverse disciplinary professional groups if they attend our meetings and activities. ASHRAE LI Chapter wants to meet all people related to the building industry on Long Island. We invite all actors from the construction industry to attend our meetings.

Have a great fall season.

I wish all a happy fall season.

Murat Bayramoglu
Chapter President

Chapter Monthly Meeting - Program for 2022/2023

September 13, 2022 * At Westbury Manor Dinner Presentation – Heat Pump and Heat Recovery in Hydronic Systems Presenter: Albert Stark **1 PDH**	March 7, 2023 * At Westbury Manor Dinner Presentation— TBA Student Activities Night YEA Night **1 PDH**
October 11, 2022 * At Westbury Manor Dinner Presentations - HVAC Retrofit Best Practices for GHG Emissions Reduction to Meet the LL97 Mandate presented by Adrian Zebrowski The Impact of the Inflation Reduction Act (IRA) on the Energy Industry presented by Jacob Goodman **1 PDH**	April 11, 2023 Dinner Presentation— TBA **1 PDH**
November 8, 2022 * At Westbury Manor Dinner Presentation— Gasket Technology presented by Stanley Funk **1 PDH** Membership Promotion Student Activities Night and YEA Night Resource Promotion Night	May 2023 * Cherry Valley Club, Garden City, NY ANNUAL GOLF OUTING
December 13, 2022 * At Westbury Manor Dinner Presentation— TBA **1 PDH**	May 10, 2023 Annual Field Trip
January 10, 2023 * At Westbury Manor Dinner Presentation—TBA **1 PDH**	June 2023 * 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
February 6-8, 2023 AHR Expo Location: Atlanta, GA	June 2023 - TBD (4pm-8pm) * Dixie II @ Captree State Park Boat Basin, NY ANNUAL FISHING TRIP
February 7, 2023 * At Westbury Manor Dinner Presentation— TBA **1 PDH** Membership Promotion Night Resource Promotion Night	August 2023 CHAPTERS' REGIONAL CONFERENCE (CRC) REGION I GRANIT STATE
February 20-26, 2023 NATIONAL ENGINEERS WEEK	

Long Island Chapter Officers & Committees

ASHRAE 2022/2023 OFFICERS

POSITION	NAME	PHONE	EMAIL
President	Murat Bayramoglu	631.312.8818	c006@ashrae.net
President-Elect	Michael Nigro	516.241.7368	c006pe@ashrae.net
Vice President	Elizabeth Jedrlinic	516.490.1621	c006vp@ashrae.net
Treasurer	Michael Razzano	407.489.6684	c006tr@ashrae.net
Secretary	Matthew Catan	516.805.3084	c006sec@ashrae.net
Board of Governors	Zhigang Xu		c006bog1@ashrae.net
Board of Governors	Rich Smith		c006bog2@ashrae.net
Board of Governors	Michael S. Gerazounis	212.643.9055	c006bog3@ashrae.net
Board of Governors	Thomas DiBenedetto		c006bog4@ashrae.net
Board of Governors	Matthew J. Vitrano	631.694.4122	c006bog5@ashrae.net

ASHRAE 2022/2023 COMMITTEES

COMMITTEE	NAME	PHONE	EMAIL
Programs & Special Events	Michael Nigro	631.312.8818	c006pe@ashrae.net
Membership (MP)	Michael Razzano	516.805.3084	c006mep@ashrae.net
Refrigeration	Matthew J. Vitrano		c006ref@ashrae.net
Chapter Technology Transfer (CTTC)	Thomas DiBenedetto	631.312.8818	c006cttc@ashrae.net
Grassroots Government Activities (GGAC)	Rich Smith	718.269.3768	c006ggac@ashrae.net
Newsletter Editor	Alexis H. Smith	212.643.9055	c006ne@ashrae.net
Research Promotion (RP)	Peter Conte	212.643.9055	c006rp@ashrae.net
Historian	Chris Mackey	516.490.1621	c006his@ashrae.net
Student Activities (SA)	Zhigang Xu	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			

Editor's Note: The appearance of any technical data, editorial material, or advertisement in this set of publications does not constitute endorsement, warranty or guaranty by ASHRAE of any product, service, procedure, design, or the like. ASHRAE does not warrant that information is free from errors, and ASHRAE does not necessarily agree with any statement or opinion in this set of publications. The entire risk of the use of any information in this set of publications is assumed by the user. Statements made in this publication are not expressions of the Society or of the Chapter and may not be reproduced without special permission.

Meeting Program



Dinner Presentation

Gasket Technology

Presented by:

Stanley Funk

Engineering Business Development Manager– Victaulic

**Attendees
Will Earn
1 PDH!**

DATE:	TUESDAY, NOVEMBER 8TH, 2022		
Time:	6:00 PM - Cocktails and Hors D'oeuvres 7:00 PM - Dinner Presentations 8:45 PM - Conclusion	Fee:	Members - \$50 pp Guests - \$70 pp Students - \$15 pp
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 review the following:</p> <p><u>Gasket Technology</u></p> <p>At the end of this course, learners will be able to:</p> <ul style="list-style-type: none"> • Describe how grooved mechanical gaskets seal • Explain the design and production methods that are used in Victaulic gaskets • Identify the various tests that are performed in gasket design • Describe the quality control measures in place during gasket manufacturing • Identify the various gasket styles and grades • Locate and utilize available product information <p>All attendees will receive 1 PDH.</p>		
About our Speaker:	<p>Stanley Funk is an Engineering Business Development Manager at Victaulic. He has worked at Victaulic for the last 17 years and has a total of 24 years of experience in NYC Feasibility, Design, Project Management, Contracting and Construction Experience. He currently provides Owners, MEP engineers and Developers with capital efficient mechanical pipe joining solutions. He is an advocate of sustainable, safe and efficient construction processes.</p>		

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	2021	Matthew J. Vitrano

PAOE

What is ASHRAE PAOE?

The ASHRAE Presidential Award of Excellence (PAOE) is a society-wide point system to track and reward chapter achievements.

Each year, the Society President establishes the point-earning activities. In this way, chapters are mobilized to work toward common Society goals. Chapters enter points they earn in our online system, and earn awards at the Region and Society level for their achievements and commitment to excellence.

PAOE POINTS FOR 2022/2023

Chapter Members	Chapter Operations	CTTC	Communi-cations	GGAC	History	Member-ship	Research Promotion	Student Activities	YEA	Chapter PAOE Totals
277	805	400	185	100	150	750	475	1000		

FROM: Farooq Mehboob SUBJECT: PRESIDENTIAL AWARD OF EXCELLENCE (PAOE)

I am writing to you on 'Securing our Future,' a subject near and dear to us for ourselves, our families, and our beloved Society ASHRAE. This is our theme for this society year. We stand today on the threshold of the new era with its challenges, climate, economic and cultural changes to name a few. Yet we have new opportunities which await us in this digital age by global collaboration using the power of our relationships, knowledge and a willingness to change. To secure our future, every one of us needs to participate passionately in a transparent ASHRAE. The bedrock on which we will build our secure future is Diversity, Equity and Inclusion. Only then will we be able to harness the power of our relationships, harvest information in the service of our members, and embrace changes by breaking down silos and overcoming resistance to change. The PAOE system was created to provide guidance to Chapter leaders in planning your chapter activities. The goal of the 2021-2022 PAOE system was to offer a roadmap for successful Chapter operation. This year's PAOE program is designed to move our Society forward as I have explained and help in securing our future.

Research Promotion From June Recap



"If we knew what we're doing it wouldn't be called research"
– Albert Einstein

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.

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
 Frank Paradiso
 Matthew Catan
 Donald Kane
 John C. Cronin, Jr

Companies

H2M Architects + Engineers
 Robert Half
 Trane
 SRS Enterprises
 Accuspec
 Tower Enterprises
 MV Controls
 Metro Air Products
 ADE Group
 Belimo Aircontrols (USA)
 Miller Proctor Nickolas
 Technical Air Systems
 Mitsubishi
 Klima
 Gil-bar
 Victaulic
 Catan Equipment Sales Rathe
 Associates Bush Sales Dagher
 Engineering

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

History From June Recap



These days, ductless air conditioning has been taking over the market. Leading ASHRAE and other professional organizations to focus on new standards and guidelines to keep up with its growth and popularity. But have you ever wondered where it all began?

“Since its introduction in the 1970s, the world has become more familiar with the concept of a ductless air conditioning system as an alternative heat source. Between 1954 and 1968, Japanese enterprises Mitsubishi Electric and Toshiba pioneered the technology. It was created as an upgrade from the window unit. The key objective was to offer cooling to houses and buildings where a more extensive, whole-system approach was either impractical because of space or monetary limitations, but subsequently offered far more pleasant cooling technology. Initially available only as a window air conditioner or a wall-mounted

indoor unit option, the ductless air conditioning system provided enhanced performance, higher efficiency, and the ability to regulate separate zones. The possibility to remotely place the system’s condensing outdoor unit and therefore relocate the sound-bearing components from the living area was a significant benefit in freeing up window space. The fact that the small, compact condensing units could be put in various locations, keeping up with the space-restricted Japanese building practices, while being energy efficient, was one of the major elements in the ductless system’s early popularity. To this day, the worldwide baseline ductless product is a wall-mounted indoor unit, which accounts for approximately 75% of total global mini split system sales. Several manufacturers saw opportunities and introduced additional ductless indoor units, such as floor consoles and ceiling-suspended units to their existing HVAC systems. Concealed ducted-style and concealed ceiling cassette units have also been created, giving the ductless mini splits a new application.”

If you are interested in learning more, you can find the full article here: <https://nordics.ca/ductless-air-conditioning/the-history-of-ductless-air-conditioning/>

Elizabeth Jedrlinic
History Chair

Michael Razzano
History Co-Chair

CTTC



Thomas DiBenedetto
CTTC Chairman

Murat Bayramoglu
CTTC Co-Chairman

With autumn finally here, it's time for pumpkin spice, spooky decorations, and economizer operation. This is the time of year when the clever control strategies developed by the HVACR industry provides occupant comfort at reduced energy costs. While economizer operation has a major impact on building energy usage, it cannot be the only energy savings strategy employed by designers as the emissions reduction requirements of Local Law 97 quickly approach in 2024. As per NYC Local Law 97, NYC is dedicated to reducing aggregate greenhouse gas emissions by 40 percent by 2030 relative to emissions in 2005. This past month's September 2022 issue of the ASHRAE Journal explored another effective energy reduction strategy. "Exploring a Multizone to Variable Volume HVAC Controls Retrofit", authored by Westervelt, Bush, and Schwenk, discusses opportunities of converting constant-volume, multizone air handling units into variable air volume (VAV) systems. Check out the September 2022 issue of the ASHRAE Journal for the full article, or review the summary below. We look forward to seeing you at the next ASHRAE meeting on October 11th to learn about other creative and cutting-edge strategies for reducing energy usage.

Exploring a Multizone to Variable Volume HVAC Controls Retrofit

From the September 2022 ASHRAE Journal

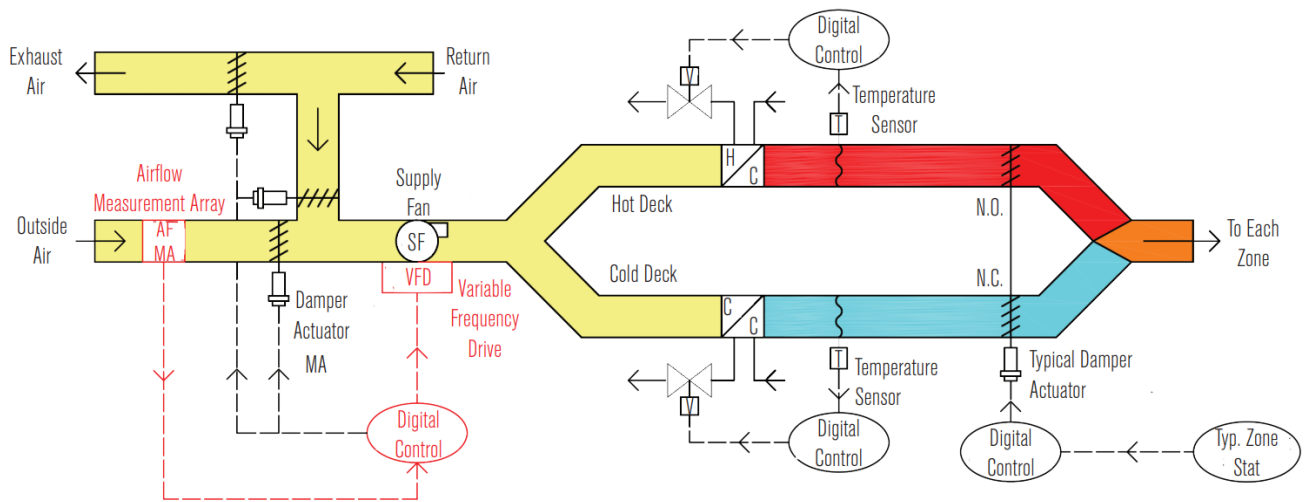
Authored by Eileen T. Westervelt, P.E., Joseph Bush, P.E., and David M. Schwenk

Article Summary

There are thousands of constant-volume, multi-zone air handling units utilized by the U.S. Department of Defense (DOD). While replacing these existing energy hogs with modern variable air volume (VAV) systems would significantly reduce energy usage, this type of replacement can be expensive and highly disruptive to building occupants. Instead of performing a full system replacement, a retrofit may be an attractive alternative. A variable volume retrofit includes the following three components: (1) the addition of a variable frequency drive (VFD) to modulate fan airflow; (2) installation of an outside air measurement station to track outside air quantity; and (3) implementation of controls programming upgrades. One type of multi-zone air handling unit where a variable volume retrofit might be the right approach is a conventional two-deck AHU system. This type of unit has a cooling coil in the cold deck, a heating coil in the hot deck, and linked dampers that modulate to maintain the required supply airflow and temperature. After implementing a variable volume retrofit, the controls system will use the supply fan VFD to modulate airflow to meet the needs of the building zone with the greatest call for space heating or cooling. The fan adjusts speed until this most needy zone damper is near full open (approximately 95 percent open) to its needed heating or cooling coil. The fan speed modulates between its high and low limits, typically 50 percent to 100 percent. The control scheme also disables the heating or cooling coil when that coil is not needed to maintain desired space temperatures.

By increasing the discharge airflow in just the critical zone, the outdoor air requirement can be dramatically reduced, resulting in energy savings from the decreased conditioning requirements at the air handling unit. However, supplying more air to the critical zone beyond what is necessary to satisfy the sensible load requires that the discharge air be

CTTC



The variable volume retrofit also includes varying outside air flow to the minimum required to minimize the energy impact of increased ventilation. Outside air requirements are either met through maintaining a minimum fixed airflow as measured by the airflow monitoring station or controlling airflow via a demand-controlled ventilation sequence. Demand-controlled ventilation significantly improves energy savings over the fixed airflow alternative.

The variable volume retrofit also made use of a binary hot deck temperature to supply either 80 Deg F or 90 Deg F based on the outside air temperature. By providing the upper binary setpoint for a hotter deck air temperature, zones received adequate heating at a lower airflow, allowing the supply fan to modulate to a reduced airflow, resulting in fan energy savings.

All of the proposed retrofit strategies take place within the mechanical room and on the building control system, which minimizes construction costs as well as impact on building occupants. The variable volume retrofit results in both electric and thermal savings at the coils, translating directly into fuel savings at the boilers and chillers. The article reviewed energy savings for five multizone air handling unit systems after implementing the variable volume retrofit strategy. After one year of usage, energy savings ranged from 24 percent to 60 percent as compared to prior to the retrofit.

YEA



Hello everyone, I am your returning YEA chair, Michael Gerazounis. I hope you all are looking forward to another great upcoming year! For all the new members if you are unfamiliar with the YEA committee, its purpose is to provide ASHRAE members 35 years old or younger with opportunities to network, educate and grow themselves through chapter events. Please check back regularly to the newsletter and on ASHRAE's website for all the news and opportunities available. I look forward to seeing as many of you as possible in the upcoming months at AHRAE and YEA events!

<https://www.ashrae.org/communities/young-engineers-in-ashrae-yea/yea-events-and-programs>

Leadership Weekend 1.0

Thanks to everyone who registered for the first Leadership Weekend 1.0 of the year. If you missed out on the registration and still want to attend, please send an email to youngengineers@ashrae.org to be placed on the waitlist. The next 1.0 weekend will take place in the spring of 2023.

Leadership U

If you want the opportunity to participate and follow regional and society officers there are two great options to do so! With Leadership U (4) YEA members will be selected for the winter or annual conference and attend all of their respective society officers' events, board meetings and social activities. Applications for this program are open until November 13th. Please look under the YEA Events & Programs tab on the website for more details.

LeaDRS

Similar to the Leadership U program, LeaDRS, allows a region to select any ASHRAE member to shadow their Director and Regional Chair (DRC) at an ASHRAE Conference. To apply for this program you must contact the DRC directly. For Long Island that would be Steven Sill.

Region I : Mr. Steven C Sill Email: R01drc@ashrae.net

HVAC Design Scholarship

Are you looking for the chance to get a better grasp of the fundamentals and technical aspects to design, install and maintain HVAC systems? YEA has a fantastic program to cover all of those bases with an attendance scholarship for either level I or II training. Applications for this program will begin on October 10th so please be on the lookout to take advantage of this opportunity!

TechnicalCommittees

Are you looking to get more involved with your industry or ASHRAE as a whole? Take a look to see if there are any technical committees that interest you!

<https://ashrae.org/technical-resources/technical-committees>

Getting more involved gives you the opportunity to directly impact our industry and expand your knowledge base. To learn more about these committees you can also reach out via phone or email at:

404-636-8400

tcstaff@ashrae.net

YEA Awards

So many YEA members are deserving of awards for their hard work, dedication and faithful service to this society but don't receive them because people don't know they are eligible to be nominated. Please look into the numerous awards available for YEA members under the Honors and Awards tab.

<https://www.ashrae.org/communities/young-engineers-in-ashrae-yea/honors-and-awards>

For any awards that you cannot nominate yourself or another YEA member you may need to reach out to your YEA Regional Vice Chair, Society YEA Committee member or Director and Regional Chair to provide them with the information they require to submit a nomination form.

- Michael Steven Gerazounis

YEA

Student Activities



Welcome back! Hope everyone has enjoyed the nice weather in the past weeks. As the clock is ticking, we have a couple of due dates around the corner.

First, the ASHRAE Student Activities Committee is offering two \$1,000 USD **Travel Grants** to help subsidize students to travel to the Winter Conference in Atlanta, Georgia in February 2023.



Applications are due by **September 30, 2022**. So, if interested, apply online NOW:

<https://www.ashrae.org/communities/student-zone/scholarships-and-grants/student-activities-travel-grant>

Second, the **ASHRAE Undergraduate Program Equipment Grants Program** provides grants to engineering, technical and architectural schools worldwide with the goal of increasing student knowledge, learning and awareness of the HVAC&R industry. Grants shall be used to fund equipment and supplies for undergraduate projects and 2-year technical school projects that focus on ASHRAE-related topics. Grants may cover projects lasting from one academic term up to one year.

Early-bird deadline for [Undergraduate Equipment Grant](#) Applications are **November 15, 2022**.

Third, the **ASHRAE 3D Modeling Competition** will provide students with the opportunity to take the first steps in designing a building's HVAC system. This competition will expose students to the process that designers and engineers go through when designing building systems.

2023 ASHRAE 3D Modeling Competition



Registration Deadline for [Modeling Competition](#) is the **November 30, 2022**.

Please reach out for more information if you are interested in participating of any of the above programs. I look forward to seeing you in the 2023 ASHRAE Winter Conference!

- Zhigang Xu

Student Activities Chair

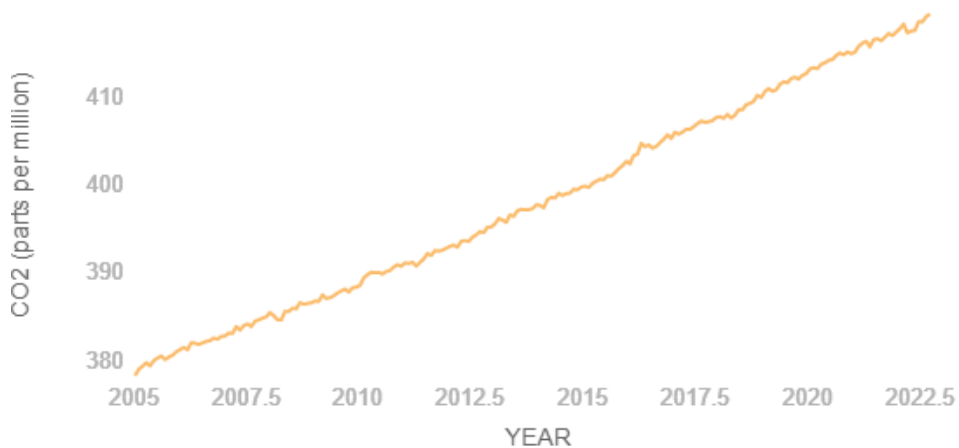
Sustainability Committee



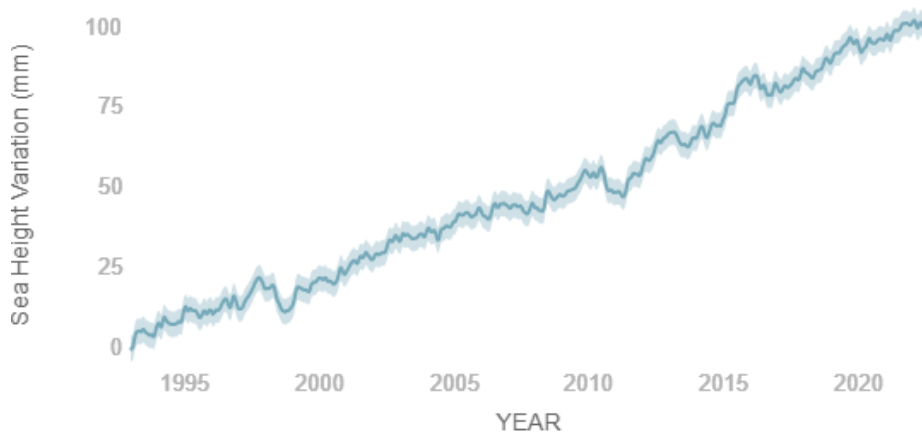
Hello everyone happy pumpkin spice season,

Many of our career paths put us in blessed positions to make an impact on the future of earth's climate. Current scientific consensus correlates rising greenhouse gas emissions in our atmosphere with frequent wildfires, longer periods of drought, an increased intensity of tropical storms and a rising sea level. As island dwellers, many with 30-year mortgages on a property located at an elevation below 100', we must understand, educate and prioritize the importance of our future.

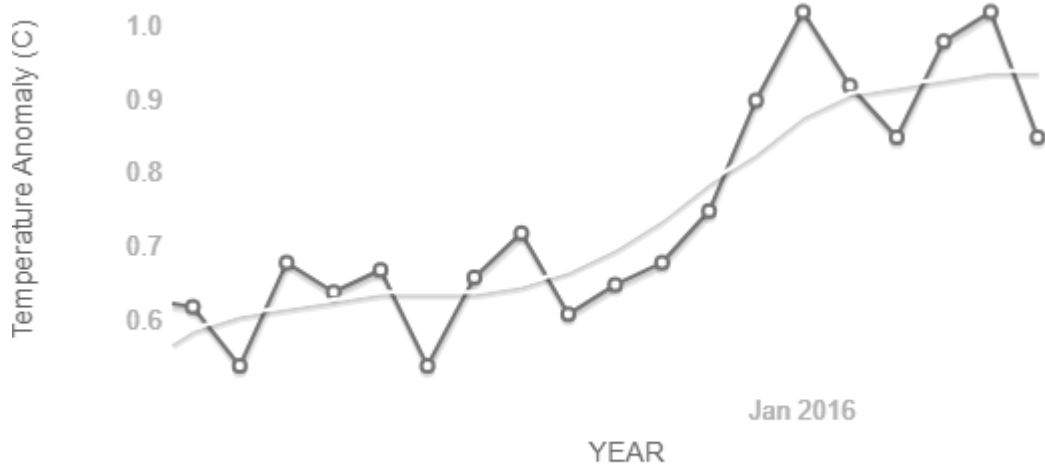
Here are some interesting graphs illustrating the quantity and effects of CO₂ emissions over the last two decades:



Source: climate.nasa.gov

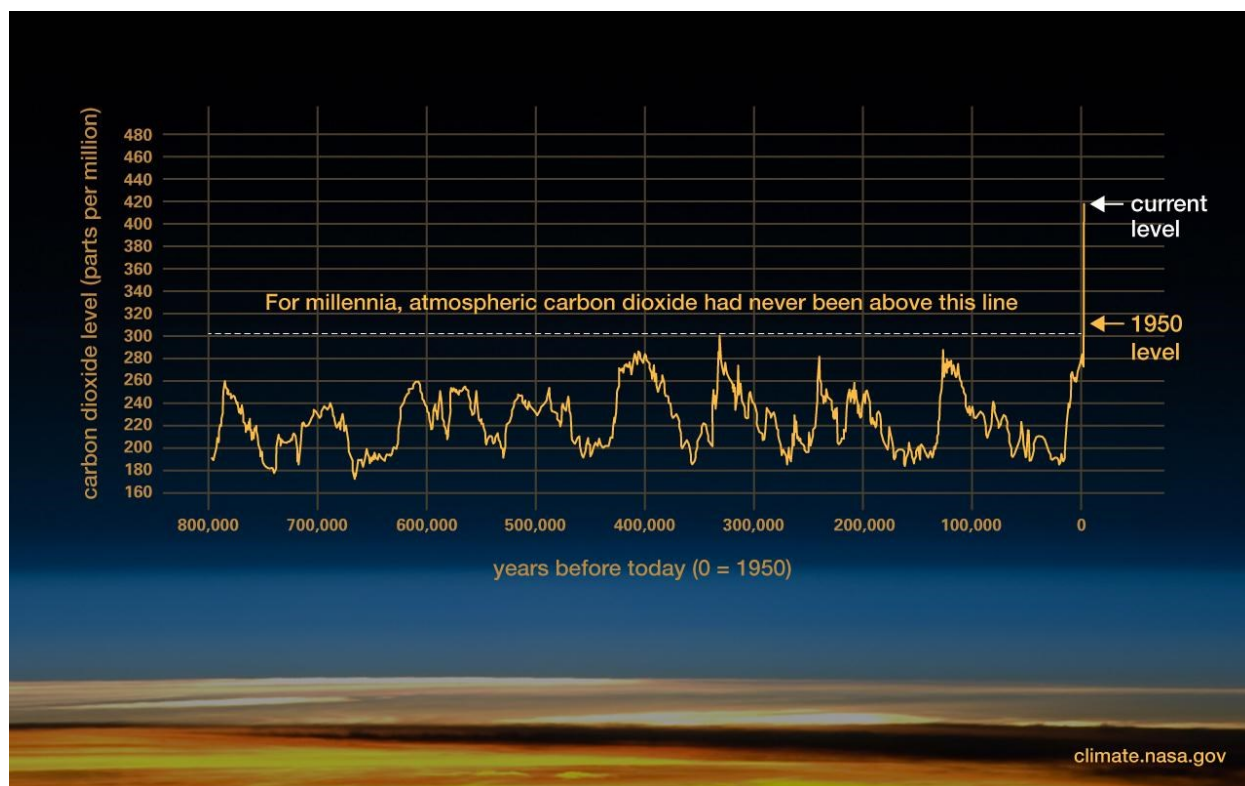


Source: climate.nasa.gov



Source: climate.nasa.gov

Contrast this with a zoomed-out graph of estimated CO₂ levels prior to human existence:



Government Affairs Committee (GAC)



Paramount Legislation for the Green New Deal in NY State.

Paramount to the Climate Agenda moving forward NY State Added a \$4.2 Billion dollar Initiative Called: CLEAN WATER, CLEAN AIR, AND GREEN JOBS Environmental Bond Act of 2022.

The purpose of this proposal (Now Law) is to authorize the creation of state debt and the sale of state bonds in the amount of up to four billion two hundred million dollars (\$4,200,000,000) for certain capital projects for the purpose of making environmental improvements that preserve, enhance, and restore New York's natural resources and reduce the impact of climate change. If approved, the proposal would

allow the State to borrow up to \$4,200,000,000 to provide funding for capital projects for the following: restoration and flood risk reduction (at least \$1,100,000,000), open space land conservation and recreation (up to \$650,000,000), climate change mitigation (up to \$1,500,000,000), and water quality improvement and resilient infrastructure (at least \$650,000,000).

While all the Agencies and Vendors who stand to Profit wildly on this Applaud the Move, I have concerns about the Loose Stipulations and in fact no specifics provided. We were also promised Investors would flock to the opportunity to improve the infrastructure, yet it looks like We the People are the ones Stuck picking up the pieces on new Mega Spend.

The Green Jobs section is also another fishy proposal tied up in the (\$1.5 Billion) section of this bill.

The funny thing is that most of the Green Jobs were federally funded under the Obama Administration and most of these "New Green Jobs" are Just more of the same jobs. For Instance, Electrification requires conversion to Heat pumps, which are a segment under AC and Refrigeration. Companies who hire new mechanics Train Technicians Already. Many of the LL87/LL97 Benchmarking and Reporting is already being done by Engineers.

When it comes to Infrastructure and Water Quality (\$650 Million) is probably only scratching the surface of projected cost of the Wiring upgrades and Windmill Projects.

While I'm sure some will find this to be an exciting time, Others will see the very large price tag and wonder if we should see how the equipment handles a full year before committing everyone to this New Debt.

Phase Out of Refrigerants:

410a, 134a

We have new phaseouts of Refrigerants coming up very soon. Production of 410A is supposed to Halt on January of 2023. You Read That Right! Pretty incredible because the new equipment available today is still shipping with good ole 410a. It is a widely held belief that these dates may be pushed out a bit, but I wouldn't count on it. The Plan of the EPA and NY State is to accelerate the Schedule of all things Green. Let's see what happens in the next few months. Phaseout is from 2023-2037 of all Hydrofluorocarbons.

Latest News on HFC's

<https://www.epa.gov/climate-hfcs-reduction/proposed-rule-allowance-allocation-methodology-2024-and-later-years>

Fact Sheet HFC Phasedown 2024

<https://www.epa.gov/system/files/documents/2022-10/2024%20HFC%20Allocation%20Rule%20NPRM%20Draft%20Fact%20Sheet%20final.pdf>

Richard Smith – GAC Chair

MEMBERSHIP PROMOTION



For this month's meeting, we would like to thank each one of our Long Island Chapter's members for their consistent sacrifices to support our great organization. YOUR membership and continued involvement in ASHRAE are our highest priorities. Our responsibility to you, our loyal members, is bringing your input, experience & expertise together. This is all accomplished in an open forum & with our ACTIVE members. Our forum or meetings are not just where the true benefits of being an ASHRAE member stops. ASHRAE as a whole is more than our local chapter and is a worldwide membership that is working towards the advancement of our industry to provide a more sustainable & healthier environment. The one key aspect is being an ACTIVE member & while we understand that it can be a hassle when your membership expiration approaches, our board has to make every effort to ensure you stay

aware of your status. This status could be if you're membership is past due & we try to offer frequent reminders.

Here's how it works:

When someone joins ASHRAE & Society has received their dues payment, their annual membership year begins and continues on a 12-month billing cycle.

1. Three (3) months prior to the one-year anniversary of the original billing, we contact you to renew your dues for the following year. If you choose not to renew, you become "unpaid" the first day after the expiration date.
2. For the first three (3) months (0-90 days past due) after the anniversary date, we will continue to send friendly reminders while your membership remains active.
3. After the three (3) months following the expiration date (91-180 days past due), your membership expires, and you enter into a "grace" period. At this point we can no longer offer member benefits.
4. Six (6) months after the expiration date (181 days past due), we "cancel" your membership, and subsequently remove you from our member roster.

Fortunately, even cancelled members can reinstate their membership and keep their original election dates by catching up on their dues or you can rejoin as a new member. From our understanding, must be processed manually by staff. "Renewals" and "Rejoins" can be done anytime on the website by re-applying as a "new" member.

If you would like, you can check on your membership status and renew online at www.ashrae.org.

Moving onto this month's meeting, which is our chapter's first membership promotion night. Membership is teaming up with YEA for our 1st Student Activates Night. This is an excellent opportunity for all to network and make acquaintances.

Being it's Student Activates Night, please let all students know that it is **FREE** and to have them attend. Please also let each of our students know about the Smart Start Program. This is a great way for ASHRAE student members to continue receiving the many member benefits of ASHRAE after finishing college. The Smart Start is a 3-year program that allows Student members to transfer to Associate grade membership at a rate that is recent-graduate friendly. This program allows new graduates to pay only \$60 for the first year of associate membership after college, \$85 for the second and \$115 for the third. When moving from student to associate member, the participant is allowed access to all ASHRAE has to offer, including annual copies of the ASHARE Handbook, the ASHRAE Journal, and various other publications and services.

As mentioned in last month's membership article, our chapter will be having a "Membership Battle" this year. For the new members & a refresher for current members, this "Membership Battle" will be an employer recognition program that's meant to thank employers for supporting ASHRAE membership. The goal of the membership battle is to:

1. Create a competition among employers to help increase membership
2. Recognize employers that support ASHRAE
3. Promote continued support

This "Membership Battle" is simple since we will have (3) categories that will be based on your firm's size & the "winner" will be based on your percentage growth at the end of the year. The three (3) categories are:

- Small Firms - 20 employees or less
- Medium Firms - 21 to 60 employees
- Large Firms - over 61 employees

Again, the plan is to encourage membership growth while having published updates within each monthly newsletter & make announcements at each of our monthly meetings. In order for a firm to be enrolled, please reach out to me to enroll. Please note the enrollment is open to engineering firms, manufacturers, mechanical contractors, architect firms, etc. I will ask you to **PLEASE UPDATE YOUR ASHRAE PROFILE INFORMATION & RESPECTIVE EMPLOYER** since this is critical for verification. From there, I will work with the board to see the actively enrolled members at each firm & access your monthly percentage growth. At the end of the year, the employers with the highest percentage growth in each size category will be presented an ASHRAE plaque & recognized at our final meeting.

I would like to informally welcome our new members this month:

1. Joe R. O'Leary
2. Katherine Gezina van Daatsellaar

Lastly & for anyone dealing with any hardships, please reach out to me since ASHRAE does have a membership hardship program that is dealt with on a case-by-case basis.

Please contact me with any questions regarding the Smart Start Program and/or ASHRAE membership needs.

Looking forward to another great month and thank you in advance for your support, time & guidance.

Michael Razzano
Membership Promotion Chair

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
- Serve as a springboard for continued professional development
- Offer an easy-to-apply process

FOR MORE INFORMATION GO TO - <https://www.ashrae.org/education--certification/certification>

Join ASHRAE on Social Media!



Follow **ASHRAE on Twitter** @ashraenews for up-to-date news, events, and articles about HVAC&R. Search #MyASHRAE on Twitter to see member photos from around the world.

Follow us on [Twitter](#)



Most Popular Tweets

Does It Cost More To Build Green? Benefits include reduced operating costs & construction waste.

Online Thermal Comfort Compliance Tool Included In New ASHRAE User's Manual.

87% of households in the US have #AC, 5% do in India. India's tough choice on air-conditioning and climate.



The November issue of the Journal is tested for binding strength to see how many times a page can be turned before the binding would fail.

Harvard & SUNY Upstate Medical University find that workers are healthier and happier in certified green buildings.

ASHRAE Standard 90.1 has been redefining energy savings since 1975. A new version is available now.

Adapting historical buildings for sustainable reuse.

Get To Know ASHRAE



ASHRAE Conferences



2023 ASHRAE WINTER CONFERENCE FEBRUARY 4-8, 2023 | ATLANTA, GEORGIA



**2023 ASHRAE
WINTER CONFERENCE**
ATLANTA, Feb 4-8 | AHR Expo, Feb 6-8

[REGISTRATION](#) | [TECHNICAL PROGRAM](#) | [COMMITTEE MEETINGS](#) | [TRAVEL](#) | [SPONSORS](#)



2023 ASHRAE ANNUAL CONFERENCE JUNE 24-28, 2023 | TAMPA, FLORIDA



**2023 ASHRAE
Annual Conference**

[REGISTRATION](#) | [TECHNICAL PROGRAM](#) | [COMMITTEE MEETINGS](#) | [TRAVEL](#)

ADVERTISEMENTS



H2M IS PROUD TO
SUPPORT THE
ASHRAE
LONG ISLAND CHAPTER



BUILDING COMMUNITIES SINCE 1933



📍 New York - Albany | Melville | New York City | Riverhead | Suffern | Westchester
📍 New Jersey - Wall Township | Parsippany 📍 Connecticut - Windsor

📞 631.756.8000 | 🌐 h2m.com | f in @



BUILDING SOLUTIONS

The Leader in Eco-Friendly HVAC Systems

CONSTRUCTION CREDIT SERVICES

**The recognized leader in construction industry collections
and A/R management in the tri-state area.**

- Total receivables management •Problem account collection
- Credit application processing
- Lien & payment bond claim filing services

"Since engaging Construction Credit Services to manage our Accounts Receivable, I have been very pleased with the results we have received. By employing an effective collection strategy, strong follow up, and superior relationship building skills, Corey and his team have more than delivered on their promise to increase our cash flow and reduce bad debt write offs while preserving our valued customer relationships. I highly recommend their services!"

Craig Marshall, Principal, Accuspec, Inc.

Call today for a complimentary consultation!

T: 908-319-5155 | cdevito@constructioncreditservices.com
www.constructioncreditservices.com

Corey M. De Vito, President



SRS
ENTERPRISES INC

SRS, a recognized leader effectively working to tailor specialized HVAC solutions for clients.

Since 1994, delivering leading-edge, high quality, sustainable HVAC solutions for air handling, hydronic, packaged refrigeration, and indoor air quality systems - realizing significant cost savings, and carbon footprint reductions for clients.

NEW YORK
22711 Harway Ave
Brooklyn, NY 11234
Phone (718) 714-4342
Fax (718) 714-4186

200 Stonehenge Lane, Ste #2
Carle Place, NY 11514
Phone (516) 332-8019
Fax (718) 714-4186

NEW JERSEY
14 Leeswoodville Road
Middletown, NJ 07748
Phone (732) 766-0664
Fax (732) 766-8928

sales@srs-enterprises.com

srs-enterprises.com

ADVERTISEMENTS

**PLACE YOUR
AD HERE**

MATT ROMANELLI
E-MAIL: MROMANELLI@GIL-BAR.COM

GB₁ GIL-BAR INDUSTRIES

NEW YORK OFFICE
5 WEST 19TH STREET
NEW YORK, NY 10011
TEL: (212) 331-6272
FAX: (212) 331-6273

LONG ISLAND OFFICE
25 NEWBRIDGE ROAD
HICKSVILLE, NY 11801
TEL: (516) 216-4310
FAX: (516) 869-4042



631-491-1300 x16
FAX 631-491-8551

Ultimate Power Inc.

INDUSTRIAL BURNERS • BOILERS
GAS • OIL • BURNER SERVICE • A/C & INSTALLATION
NATIONAL BOARD CERTIFIED "R" STAMP REPAIR CO.
DDC CONTROL SYSTEMS
MECHANICAL CONTRACTORS FOR OVER 36 YEARS

RONALD MILANO

45 NANCY STREET
WEST BABYLON, NY 11704-1498

EMAIL: RMILANO@ULTIMATE-POWER.COM

== JAR ==

J. A. Robertson, PE
Mechanical Engineer
HVAC/Plumbing System Design

P.O. Box 4982
Richmond, Virginia. 23220
jar4d@alummi.virginia.edu
Licensed: DC/MD/VA

**PLACE YOUR
AD HERE**

**PLACE YOUR
AD HERE**

Frank D. Morgigno - President/CEO fm@atiofny.com

ATI Applied Technologies Of NY, Inc.
Manufacturers Representatives

90 Plant Ave. • Ste. 110 • Hauppauge, NY 11788
Tel: 631-331-0215 • Fax: 631-928-4625
www.atiofny.com

**PLACE YOUR
AD HERE**

SIEMENS Industry

Siemens Industry, Inc.
Building Technologies Division
50 Orville Drive
Bohemia, NY 11716
USA

Tel: +1 631 218-1000 Ext. 214
Fax: +1 631 218-1009
Mobile: +1 516 924-2913
vincent.catalano@siemens.com
usa.siemens.com/buildingtechnologies

Vincent Catalano, C.E.M.
Account Manager

**chimney
DESIGN
solutions®**

134 W. 29TH ST., 11TH FL., NY, NY 10001
800-685-7077 FAX: 212-685-4777
chimney design solutions.com

ADVERTISEMENTS**Advertising Rates:*****Business Card \$200******Triple Size \$350******Half Page \$500******Full Page \$800*****ASHRAE LI - P.O. Box 79 - Commack, NY 11725**