

THE LONG ISLAND SOUNDER



Long Island
Chapter

2022-2023

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PRESIDENT'S MESSAGE



MAY

We have reached the final sessions of the 2022 – 2023 ASHRAE season. We have planned a field trip to Empire State Building on May 16 to observe the state-of-the-art mechanical systems. The participants will have the chance to see the back of the house of this landmark building. The group is limited to 30 people. Long Island members who are willing to attend should sign up immediately.

Dru Crawley, a Distinguished Lecturer of ASHRAE, presented the Impacts of Climate Change and Urbanization on Future Building Design at the April meeting. He introduced the temperature abnormalities for the past century and made recommendations about the future HVAC-R design criterion. He clearly outlined the weather station databases' higher and lower temperature patterns. The implications of the weather changes must be considered in the HVAC-R equipment sizing and their performances. Let's hope humanity manages to reduce the climate change impacts and climatic design criteria won't change in the HVAC-R designing.

The second event of April, the Sustainability Panel at NYIT on April 19, was also a success. ASHRAE members and panelists had a chance to engage with NYIT students and their ASME club members. We hope to maintain our relationship with colleges on Long Island to introduce the HVAC-R industry. It'll be a success for us to lead engineering students toward the HVAC-R industry. Also, we believe these public activities will increase ASHRAE's public awareness and add value to the chapter.

The Go-Cart race event has become one of the outstanding activities especially withing young engineers. This year's race was very competitive because the past year's champions had a challenger, a young technician Marc Dias. Marc, who works for BMW as a technician, won the 2023 race. Working for BMW should have played a critical role in his achievement. Marc is interested in working in the HVAC industry, and this event allowed him to engage with local engineers. ASHRAE-LI chapter can be a good place for him to start.

Our 23rd traditional Golf Outing event on May 8 was a huge success. All tickets were sold out within ten days, raising money for the chapter operations and Research and Promotion. I want to thank the Cherry Valley Club crew, who served our guests all day. The golfers pinned great memories on this beautiful sunny day, had a chance to meet with their old friends, and engaged with connections. A special thanks to Peter Gerazounis and his firm MG Engineering for organizing and making this event flow so laminaryly.

The last meeting for the season in June is dedicated to Past Presidents' Night, officer installation, student scholarship, and the Engineer of the Year awards ceremony. The new board members for the 2023 – 2024 season will swear in the oath for the duty. Whereas ASHRAE, in spring, already started planning for the subsequent BOG and committee chairs. Now, it's time for the HVAC-R industry professionals to volunteer for The Chapter's board by contacting any chapter officer to join the team.

I hope all Long Islanders enjoy the great weather and the spring blossoms. See you all at Empire State Building.

Murat Bayramoglu
Chapter President

Chapter Monthly Meeting - Program for 2022/2023

<p>September 13, 2022 * At Westbury Manor</p> <p>Dinner Presentation – Heat Pump and Heat Recovery in Hydronic Systems</p> <p>Presenter: Albert Stark</p> <p style="text-align: right;">**1 PDH**</p>	<p>March 14, 2023 * At Westbury Manor</p> <p>Dinner Presentation— Zero Energy Building with Hydronics Presented by: Max Rohr from Caleffi</p> <p>Construction Law Fundamentals – A Practical Guide. <i>Presented by: Michael Ganz</i></p> <p style="text-align: right;">**1 PDH**</p> <p>Student Activities Night YEA Night</p>
<p>October 11, 2022 * At Westbury Manor</p> <p>Dinner Presentations - HVAC Retrofit Best Practices for GHG Emissions Reduction to Meet the LL97 Mandate presented by Adrian Zebrowski</p> <p>The Impact of the Inflation Reduction Act (IRA) on the Energy Industry presented by Jacob Goodman</p> <p style="text-align: right;">**1 PDH**</p>	<p>April 11, 2023</p> <p>Dinner Presentation— TBA</p> <p style="text-align: right;">**1 PDH**</p>
<p>November 8, 2022 * At Westbury Manor</p> <p>Dinner Presentation—</p> <p>Gasket Technology presented by Stanley Funk</p> <p style="text-align: right;">**1 PDH**</p> <p>Membership Promotion Student Activities Night and YEA Night Resource Promotion Night</p>	<p>May 2023 * Cherry Valley Club, Garden City, NY</p> <p>ANNUAL GOLF OUTING– MAY 8TH</p>
<p>December 13, 2022 * At Westbury Manor</p> <p>Dinner Presentation—</p> <p>Extending Condensing Boiler Heat Exchanger Durability <i>presented by: Kyle Bottorff</i></p> <p style="text-align: right;">**1 PDH**</p>	<p>May 16, 2023</p> <p>Annual Field Trip at <u>Hudson Yards</u></p> <p>*Backup: Empire State Building*</p>
<p>January 10, 2023 * At Westbury Manor</p> <p>Dinner Presentation—</p> <p>Electrical Engineering Fundamentals (for Mechanical Engineers) <i>Presented by: Andy Siegelson</i></p> <p style="text-align: right;">**1 PDH**</p>	<p>June 13th 2023 * At Westbury Manor</p> <p>Free Buffet Dinner for Members</p> <p>PAST PRESIDENTS NIGHT & OFFICER INSTALLATION STUDENT SCHOLARSHIPS TO BE AWARDED ASHRAE History Quiz and prize Give-A-Ways</p>
<p>February 6-8, 2023</p> <p>AHR Expo</p> <p>Location: Atlanta, GA</p>	<p>June 2023 - TBD (4pm-8pm) * Dixie II @ Captree State Park Boat Basin, NY</p> <p>ANNUAL FISHING TRIP</p>
<p>February 21, 2023 * At Westbury Manor</p> <p>Dinner Presentation— Automatic Flow Balancing Presented by: John Knowles</p> <p style="text-align: right;">**1 PDH**</p> <p>Membership Promotion Night Resource Promotion Night</p>	<p>August 2023</p> <p>CHAPTERS' REGIONAL CONFERENCE (CRC) REGION I GRANIT STATE</p>
<p>February 20-26, 2023</p> <p>NATIONAL ENGINEERS WEEK</p>	

Long Island Chapter Officers & Committees

ASHRAE 2022/2023

OFFICERS

POSITION	NAME	EMAIL
President	Murat Bayramoglu	c006@ashrae.net
President-Elect	Michael Nigro	c006pe@ashrae.net
Vice President	Elizabeth Jedrlinic	c006vp@ashrae.net
Treasurer	Michael Razzano	c006tr@ashrae.net
Secretary	Matthew Catan	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	c006bog3@ashrae.net
Board of Governors	Thomas DiBenedetto	c006bog4@ashrae.net
Board of Governors	Matthew J. Vitrano	c006bog5@ashrae.net

ASHRAE 2022/2023

COMMITTEES

COMMITTEE	NAME	EMAIL
Programs & Special Events	Michael Nigro	c006pe@ashrae.net
Membership (MP)	Michael Razzano	c006mep@ashrae.net
Refrigeration	Matthew J. Vitrano	c006ref@ashrae.net
Chapter Technology Transfer (CTTC)	Thomas DiBenedetto	c006cttc@ashrae.net
Government Activities (GGAC)	Rich Smith	006ggac@ashrae.net
Newsletter Editor	Alexis H. Smith	c006ne@ashrae.net
Research Promotion (RP)	Peter Conte	c006rp@ashrae.net
Historian	Steven Gerazounis	c006his@ashrae.net
Student Activities (SA)	Zhigang Xu	c006sa@ashrae.net
Young Engineers in ASHRAE (YEA)	Michael S. Gerazounis	c006yea@ashrae.net
Webmaster	Frank Paradiso	c006web@ashrae.net
Nominating	Michael Gerazounis, PE, LEED AP	nominating@ashraeli.org
Reception & Attendance	Zhigang Xu / Matt Catan / Michael S. Gerazuonis	reception@ashraeli.org
PR & Engineering Joint Council of LI (EJCLI) Liaison	Andrew Manos, LEED AP	pr@ashraeli.org
Golf Outing	Peter Gerazounis, PE LEED AP	golf@ashraeli.org
Awards	Brian Simkins	c006ha@ashrae.net
ASHRAE LI, P.O. Box 79, Commack, NY 11725		

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Long Island
Chapter



ENGINEER OF THE YEAR AWARD

AWARDS WILL BE GIVEN OUT ON:

WHEN: June 13th 2023

WHERE: Westbury Manor

TIME: 6PM-9PM

FREE Buffet Dinner for Members
& Guests

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.

Historian

ASHRAE LI Past Presidents Interview: Frank Morgigno



What do you like to do in your free time?

I enjoy golf, fishing, music (guitar) and spending time with my family.

Where have you worked in the past?

I've owned my own company for the last 28 years, before that I worked for a manufacturer (Mestek, Inc.) and prior to that, a fuel oil company and an HVAC contractor.

When and why did you decide to pursue a career in HVAC&R?

I was the Chief Engineer of a Naval Research Ship in the U.S. Navy. I received extensive training in propulsion engineering curriculum for shipboard steam plants and auxiliary systems. I also received a specialization in HVAC/R systems. It was a natural and easy transition to the non-military application of those technologies in civilian life.

What was the year you held the president position in ASHRAE LI?

I became President in 1999-2000.

When/Why did you decide to join the board?

I was invited to join the BOG by Mike O'Rourke in (I believe) 1995. I thought it was a wonderful opportunity to serve the industry and broaden my horizons by meeting new and interesting people in our field.

What do you feel was the greatest contribution you made in ASHRAE?

Since my tenure was only a year, the two significant things that stand out was that I, along with Alan Goerke, established a long-standing L.I. Chapter Golf Outing held each year at Cherry Valley Golf Club. My partner at the time, Bob Hutter, was a member of Cherry Valley. He sponsored us for the inaugural event. Since then, its been a recurring source of revenue for the Chapter each and every year. The other main accomplishment was hosting the CRC.

As a member of the Region, I chaired the TEGA Committee and helped to establish an energy policy for the Town of Babylon based on ASHRAE standards.

How has ASHRAE played a significant role in your career?

ASHRAE allowed me to establish relationships that have served me personally and professionally. The business relationships I was able to create were a catalyst for starting and company of my own. These relationships provided me with the confidence and ability to develop a successful company that continues to serve the community for almost three decades.

What recommendation would you make towards students showing interest in HVAC&R?

There's never been a better time than RIGHT NOW to pursue a career in HVAC&R. We live in a time of significant change. The demand for energy is greater than any other time in our history. There are growing opportunities for entrepreneurial thinking as we balance the call for environmental consciousness with the need for energy independence. ASHRAE is a great way to become involved in the who, why and how to find your direction for serving a thriving and evolving industry.

What do you feel was the greatest contribution you made in ASHRAE?

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- Steven Gerazounis

Historian

Refrigeration



Hello Everyone,

I like to follow the Refrigeration Applications column in the monthly society Journal. This month I read the May 2023 Article “Non Flammable” This article goes into the complicated and serious issues of refrigerant toxicity and flammability.

Here is a link to the article if you would like to read it:

<https://technologyportal.ashrae.org/Journal/ArticleDetail/2501>

- **Pete Conte**

Chairperson

CTTC



CTTC

Spring is in full swing. The days are getting longer, and the cooling season is upon us once more. In both the heating and the cooling seasons, treatment of ventilation air represents a major component of the building energy footprint. In the constant pursuit of increased efficiency and decreased energy consumption, this month's ASHRAE Journal reviews ventilation for hospitals. "Air Quality-Based Ventilation for Hospital Energy Conservation" reviews opportunities to reduce natural gas consumption in hospitals by employing a network of indoor air quality monitoring sensors.

Thomas DiBenedetto
CTTC Chairman

Murat Bayramoglu
CTTC Co-Chairman

Air Quality-Based Ventilation for Hospital Energy Conservation

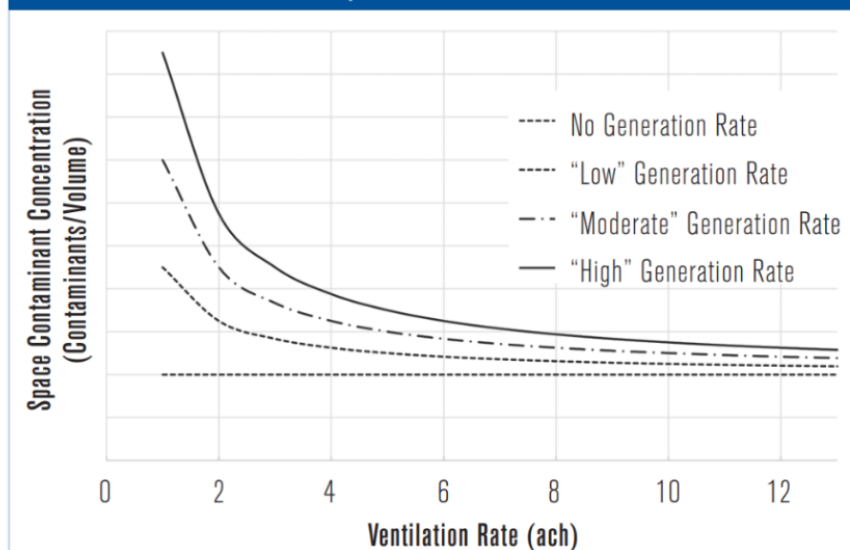
From the May 2023 ASHRAE Journal

Authored by Austin Barolin, P.E. and Travis R. English, P.E.

Article Summary

This article in the May 2023 ASHRAE journal explores the relationship between ventilation rates and contaminant levels. Starting in the 1920s, a ventilation rate of 2 air changes per hour was common, though most wards at the time benefited from natural ventilation. By the 1960s, ventilation requirements were established for different space types and were increased significantly, up to 12 air changes per hour. Around the early 1990's requirements saw a shift back to 2 air changes per hour for ventilation for most space types while also requiring increased total air changes per hour.

FIGURE 1 Theoretical relationship between contamination levels and ach.



CTTC

To test the effects of ventilation on airborne contaminant rates, the project team installed sensors in 76 locations in a hospital and one location on the hospital's roof. Sensors measured temperature, humidity, CO₂, TVOCs, particulates, and ozone. The team then programmed VAV boxes to meet various air change rates and recorded the effects at the sensors. At the time of the project, 2 air changes per hour was the lowest ach for any space in the hospital.

Contrary to the theoretical relationship, CO₂ levels did not increase as zone ACH increased. Throughout testing, all zones were in the range of 500 ppm +/- 50 ppm. Particulate levels, ozone levels, and VOC levels were similarly unaffected by increased ventilation rates. While meaningful changes to indoor air quality were not observed, energy savings relating to decreasing ventilation rates were significant. Fan savings as high as 34% percent were realized during the testing period.

In general, the results of testing show no demonstrable air quality benefit in increasing ventilation rates above 2 air changes per hour. Clean and safe indoor air environments achieved using less ventilation yielded significant energy savings. Boiler natural gas consumption was reduced by 22% to 29%, and fan, pump and chilled water electricity was reduced by 31% to 39%.



Leadership Weekend 1.0

Registration for the spring YEA Leadership Weekend is still open until February 24th! This event will be hosted in Miami, Florida from March 17th through the 19th . Please visit the link below for additional information on this event.

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

Leadership Weekend 2.0

Additionally, registration for Leadership Weekend 2.0 is open until March 16th. If you had previously attended 1.0 last year, please look into this event as Ralph expands upon the skills taught during 1.0.

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	DRC	Email
Region I	Mr. Steven C Sill	r01drc@ashrae.net

- Michael Steven Gerazounis

YEA

Government Affairs Committee (GAC)



Government Affairs ASHRAE New York Healthcare Protocol

“Developing the Framework Enabling New York Hospitals to Achieve Their Decarbonization and Resiliency Goals through 2040”

Our April 10th & 11th Solutioning Summit in Roosevelt Island, NYC, SchellingPoint was able to consolidate all of your input and recommendations into 101 specific action items. The steering committee along with SchellingPoint has now reviewed these 101 action items and have identified the most critical ones that are needed to form the “Protocol”. These 19 action items are what we refer to as the minimum viable product (MVP).

Basically, we attended a summit broken into specific teams for work on the common objections and obstacles of each group. There were People from Government, Hospital, Utilities, Manufacturers, Funding groups, Agencies in charge of implementing the goals. Upstate and Downstate were all represented at the Summit.

Schelling point help to facilitate all of these concerns through a series of targeted questionnaires based on comments left in feedback areas of this study. I am looking forward to seeing what 19 actions will be the most important to move forward with all parties working together.



Richard Smith – GAC Chair.

006ggac@ashrae.net

MEMBERSHIP PROMOTION



Did you know that there are four membership grades with different benefits, and that they are based on your time in ASHRAE? Many people enter ASHRAE as students. At the student level, they may not hold office in ASHRAE, BUT can participate in technical committees that essentially shape the industry. In addition, students can begin to network with HVAC professionals and build bridges that will serve them well when they are ready to enter the workforce. In terms of building a solid resume, there is no better way to spend \$25!

After graduation, students can move into an Affiliate Members through the Smart Start Program. For three years this level of membership allows them to keep their fees relatively low while they build their social and professional networks and advance their careers. Another key benefit is they gain access to discounted ASHRAE publications and are eligible for various products.

Affiliate members naturally advance to Associate Members after 3 years. Now that you have experience you are ready to get involved and change the world. Associate Members can participate in the governance of their chapters and take advantage of leadership opportunities all over the globe.

Progressing 12 years forward, you become a Member. At this point, you're confident in your professional skills, comfortable in leadership positions, and well established in the industry. Even better, you are eligible to hold office and vote all the way up at Society level. As an ASHRAE Member, you really can change the world through ASHRAE's global reach.

Unfortunately, none if this is possible if you **allow your membership to lapse**. Even if you've been a member for 20 years, if you allow your membership to expire (90 days past due) you lose your seniority, and the clock goes back to zero when you come back. Don't let this happen to you! Don't lose what you've worked so hard for. Renew your membership and hold your esteemed place in the conversation. Don't forget to check our website at www.ashraeli.org for the most current information about your Long Island chapter.

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

1. James Purcell
2. Jafet Tavarez
3. Laura L St Germain
4. Jonathan Rodriguez

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

Michael H. Razzano
Membership Promotion Chair

Michael Gerazounis
Membership Promotion Co-Chair

ASHRAE CERTIFICATIONS

Certification



Certified

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



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Can integrate a chilled water or LG VRF DX Coil.



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CHANGEAIR Vertical Unit Ventilators



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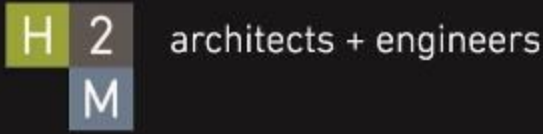


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Corey M. De Vito, President



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