



January 2018

THE LONG ISLAND SOUNDER



ASHRAE Long Island Chapter, Region I...Founded in 1957

www.ashraeli.weebly.com

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

Inside this issue:

President's Message	1
LI Chapter Officers	2
Meeting Schedule	3
LI Past Presidents	4
PAOE	4
Programs	5
YEA	6
Research Promotion	7
Membership	8
CTTC	8
Refrigeration	9
Student Activities	10-13
GGAC	14
History	14
December Meeting Pictures	15-16
ASHRAE Social Media	17
ASHRAE Winter Meeting	18-22
ASHRAE Certifications	23
BOG Minutes	24-25
Advertisements	26-28

President's Message

Happy New Year to everyone, I wish you all the best of luck, health, and happiness in 2013. The New Year brings new beginnings and new opportunities and I am looking forward to those challenges.



This month we have a presentation with by NYSEDA on their new rebates. It will be a joint meeting with Metropolitan Air Conditioning Contractors of New York (MACC). We welcome their members. One of the many benefits of ASHRAE is the networking and the industry contacts made at our meetings, joint meetings are a great chance to expand our network.

Time is moving fast and the ASHRAE winter meeting is just around the corner and in Chicago. If you have the opportunity, the AHR expo is an amazing opportunity to see what's new and who is who. There are also many ASHRAE learning sessions and technical committees to check out. If you do come to Chicago, I have been planning the Region 1 dinner which will be a Chicago Deep Dish pizza party this year at Lou Malnati's. Look for more information shortly.

Once again thank you to all the volunteers and board members I appreciate all your time and dedication to our chapter and community. I look forward to seeing you all at the meeting and if you can bring a friend and introduce them to our chapter it really is a great group to be a part of and I thank you for that.

Andrew B. Dubel, P.E., LEED AP
President
Long Island Chapter

CHAPTER MONTHLY MEETING

DATE:	Tuesday, January 9, 2018
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 -	\$45.00
Guest -	\$50.00
Student -	\$15.00

Reservations requested, but not required.
Call (631) 632-2791

Check the ASHRAE Website for Society news
and to join/renew membership!

[ASHRAE WEBSITE](http://www.ashraeli.weebly.com)

Long Island Chapter Officers & Committees

ASHRAE 2017/2018 OFFICERS

POSITION	NAME	PHONE	EMAIL
President	Andrew B. DuBel, PE	516.484.1020	president@ashraeli.org
President-Elect	Richard Halley	718.269.3809	president_elect@ashraeli.org
Vice President	Frank Paradiso	631.632.2791	vice_president@ashraeli.org
Financial Secretary	James Hanna	718.269.3768	finsec@ashraeli.org
Treasurer	Bill Artis	201.395.3750	treasurer@ashraeli.org
Secretary	Matthew Vitrano	212.643.9055	secretary@ashraeli.org
Board of Governors	Murat Bayramoglu	631.312.8818	bog1@ashraeli.org
Board of Governors	Michael Nigro	212.643.9055	bog2@ashraeli.org
Board of Governors	Elizabeth Jedrlinic	516.490.1621	bog3@ashraeli.org
Board of Governors	Andrew Blom	631.626.1695	bog4@ashraeli.org
Board of Governors	Donald W. Kane, PE	516.524.7258	bog5@ashraeli.org





ASHRAE 2017/2018 COMMITTEES

COMMITTEE	NAME	PHONE	EMAIL
Programs & Special Events	Richard Halley	718.269.3809	programs@ashraeli.org
Membership (MP)	Bill Artis		artis.hvac@gmail.com
Refrigeration	Bill Artis		artis.hvac@gmail.com
Chapter Technology Transfer (CTTC)	Matthew Vitrano	212.643.9055	cttc@ashraeli.org
Grassroots Government Activities (GGAC)	Andrew Blom	631.626.1695	ggac@ashraeli.org
Newsletter Editor	Liset Cordero	212.643.9055	editor@ashraeli.org
Research Promotion (RP)	Frank Paradiso	631.632.2791	rp@ashraeli.org
Historian	Michael Nigro	212.643.9055	historian@ashraeli.org
Student Activities (SA)	Murat Bayramoglu	631.312.8818	sa@ashraeli.org
Young Engineers in ASHRAE (YEA)	Elizabeth Jedrlinic	516.490.1621	yea@ashraeli.org
Webmaster	Bill Artis		artis.hvac@gmail.com
Nominating	Michael Gerazounis, PE, LEED AP	212.643.9055	nominating@ashraeli.org
Reception & Attendance	Andrew Blom	631.626.1695	reception@ashraeli.org
PR & Engineering Joint Council of LI (EJCLI) Liaison	Andrew Manos, LEED AP	631.632.2791	pr@ashraeli.org
Golf Outing	Peter Gerazounis, PE LEED AP	212.643.9055	golf@ashraeli.org
Awards	Brian Simkins	203.261.8100	bsimkins@accuspecinc.com

ASHRAE LI, P.O. Box 79, Commack, NY 11725

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Chapter Monthly Meeting - Program for 2017/2018

September 12, 2017 * At Westbury Manor  Dinner Presentation – Basic Principles of Grooved Mechanical Joints Presenter: Stanley Funk **1 PDH** Refrigeration Night	March 13, 2018 * At Westbury Manor Dinner Presentation - Chillers! Chillers! Chillers! Presenter: Justin Wieman **1 PDH** YEA Night
October 10, 2017 * At Westbury Manor  Dinner Presentation— Boiler Efficiency & Performance Presenter: Ian Rowburrey **1 PDH**	April 10, 2018 Annual Field Trip
November 14, 2017 * At Westbury Manor  Dinner Presentation-- Revised Duct Construction Standard Presenter: Mark Terzigni, SMACNA National Director **1 PDH** Joint meeting with SMACNA Membership Promotion Student Activities Night and YEA Night Resource Promotion Night	May 7, 2018 * Cherry Valley Club, Garden City, NY ANNUAL GOLF OUTING
December 12, 2017 * At Westbury Manor  Dinner Presentation-- Responsible Use of Refrigerants Presenter: Julian R. de Bullet, ASHRAE Distinguished Lecturer **1 PDH**	May 8, 2018 * At Westbury Manor Dinner Presentation - Chemical Treatment Presenter: Jerry Union **1 PDH** Refrigeration Night Student Activities Night
January 9, 2018 * At Westbury Manor Dinner Presentation– NYSERDA Rebates Presenter: Donovan Gordon **1 PDH** JOINT MEETING w. MACCNy	June 12, 2018 * 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 20-24, 2018 ASHRAE Winter Meeting Chicago, IL	June 2018 (4pm-8pm) * Dixie II @ Captree State Park Boat Basin, NY ANNUAL FISHING TRIP
February 13, 2018 * At Westbury Manor – Dinner Presentation— Dan Knall Presenter: TBD **1 PDH** Membership Promotion Night Resource Promotion Night	June 14, 2018 Joint YEA Event with LI, NYC & Westchester (Details to follow)
February 18-24, 2018 NATIONAL ENGINEERS WEEK EJCLI Seminars	August 16-18, 2018 CHAPTERS' REGIONAL CONFERENCE (CRC) REGION I JERSEY CITY, NJ
February 27, 2018 YEA Event - Go Kart @ 6PM RPM Raceway Farmingdale, NY	

Long Island Chapter - Past Presidents

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

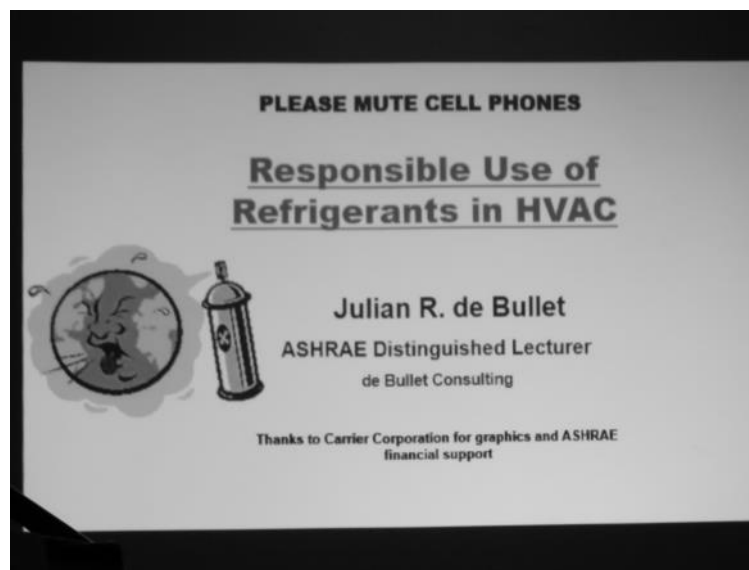
PAOE POINTS FOR 2017/2018

Chapter Members	Membership Promotion	Student Activities	Research Promotion	History	Chapter Operations	CTTC	GGAC	Electronic Communications	Chapter PAOE Totals
282	1,090	150	330	300	1,020	250	0	225	3,365

January Meeting Photos



January Meeting Photos



January Meeting Program



Dinner Presentation

“NYSERDA Rebates”

Presented by

Donovan Gordon

**Director of Renewable Heating & Cooling
NYSERDA**

DATE:	TUESDAY JANUARY 9, 2018		
TIME:	6:00 PM - Cocktails and Hors D'oeuvres 7:00 PM - Dinner Presentations 8:45 PM - Conclusion	Fee:	\$ 45.00 Member \$ 50.00 Guest \$ 15.00 Student
LOCATION:	WESTBURY MANOR (516) 333-7117 1100 Jericho Tpke., Westbury, NY 11590 Directions are posted at @ www.ashraeli.org.		
PRESENTATION:	This month's presentation will be an overview of NYSERDA Programs and initiatives launched and being developed to accelerate the installation of geothermal heat pumps in New York State.		
ABOUT OUR SPEAKER:	<p>Donovan Gordon is Director of Renewable Heating & Cooling for the New York State Energy Research and Development Authority (NYSERDA). He leads New York State's efforts to develop markets that support clean, high-efficiency, renewable thermal systems, including solar cooling, heating and hot water; air and ground source heat pumps, and biomass heating systems. He is charged with conceptualizing, driving and implementing a portfolio of products to encourage and enable customers and partners to invest in low-carbon/renewable cooling and heating systems and also with advancing New York's progress toward self-sustained markets.</p> <p>Donovan is a Leadership in Energy and Environmental Design (LEED) accredited Green Associate, and an International Ground Source Heat Pump Association (IGSHPA) accredited Geothermal Installer. He received a bachelor's degree in Business Management from St. Francis College and a Master in Business Administration from NYU, Stern School of Business.</p>		

CHAPTER MAY NOT ACT FOR SOCIETY

An International Organization

Young Engineers in ASHRAE (YEA)

The winter conference will take place in Chicago this year. There will be many exciting events, presentations and networking opportunities for YEA Members. Please let me know if you are a YEA member attending from our chapter. Make sure you take advantage of everything they have to offer.

Welcome Party

Saturday, January 20th | 6:30 – 8:30 p.m.

Cost: \$55

The Welcome Party will be held at the Chicago Cultural Center, a few walkable blocks from the Palmer House Hilton.



Young Engineers in ASHRAE (YEA) Hospitality Suite

Sunday, January 21 | 4:00 – 6:00 p.m.

Young professional members age 35 and younger are invited to visit the YEA Hospitality Suite. The suite offers social and networking opportunities, and light refreshments are served.

Members' Night Out

Tuesday, January 23 | 6:15 – 7:15 p.m. Reception | 7:15 – 10:00 p.m. Dinner

Cost: \$55

Feeling lucky? Take a chance and join us for an evening of fun with another Chicago “back room” action casino party. Here’s the deal, come and test your skills or enjoy being serenaded by a local rat pack-inspired band. Dress to impress!

Next Local Chapter YEA Event

Our next local YEA Event will be February 6, 2018 at RPM raceway in Farmingdale. Make sure you set aside the day for some competitive racing with your ASHRAE colleagues. All are invited!

HAPPY NEW YEAR!

Elizabeth Jedrlinic
YEA Chair

Research Promotion

My name is Frank Paradiso and I am your RP chair for the 2017-2018 year for the Long Island ASHRAE chapter.



ASHRAE has a \$2.5 million dollar funding raising goal. This supports 140 research projects with a combined value of more than 15 million. The bar has been set pretty high by our former RP Chairs for our chapter's goals. This year we have a goal of \$19,000. Every year we try to exceed our goal and reach towards challenge goal. With your help I believe we can achieve it.

Our current RP year to date amount is \$6374 which is about 33% of our goal.

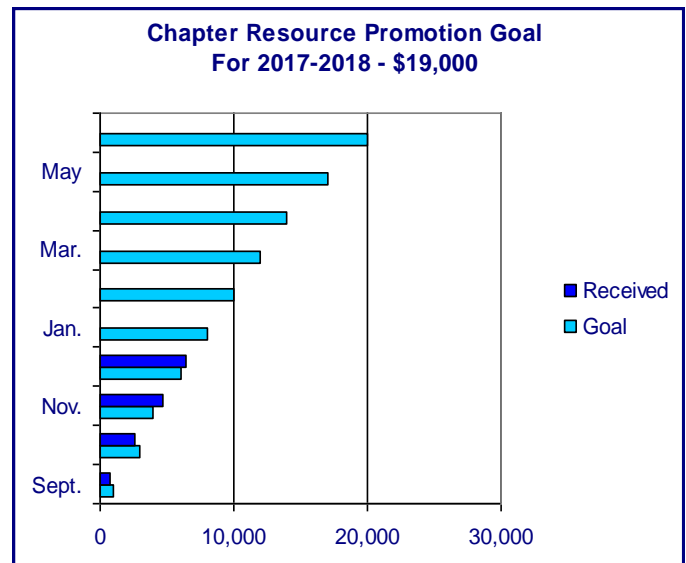
I would like to acknowledge and thank all those who were generous enough to have donated early in ASHRAE's 2017-2018 RP campaign:

INDIVIDUALS

Peter Gerazounis, PE
John D Nally
Donald W Kane, PE
Andrew E Manos
Andrew B Dubel
Matthew Vitrano
Andrew B Dubel
Michael Nigro
Frank Paradiso
Ronald J Kilcarr, PE, CEM
James Hanna
William Artis, Jr
Murat Bayramoglu, MS
Thomas Fields, PE
Richard I Halley
Andrew Charles Blum
Steven Benkovsky
Richard J. Pearson

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CONTRIBUTIONS CAN BE MADE IN THE FOLLOWING WAYS:

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

Frank Paradiso
ASHRAE Research Promotion Chair
c/o Stony Brook University Research and Support Services,
Suite 160 Development Drive
Stony Brook, NY 11794-6010

2) You can bring your check to any of the meetings and give it to me. I will mail it into headquarters.

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!

Frank Paradiso
Research Promotion Chair

Membership Promotion

Bill Artis **Membership Chair**

As a New Year's Resolution, please try and visit ASHRAE.org to review your My ASHRAE profile. Please make sure your membership is up to date, along with your contact information. Please confirm that your chapter is listed as Long Island, as if it is not we will not receive your chapter dues.

I would also like to recognize and welcome our new members since the start of the chapter year:

Mr Bashar El Sabeh
Mr Dariusz Makara PE
Mr William Becchina
Ms Katherine P Morgan
Mr. Joseph B Kalina
Dr Na Fu
Mr Dominic Di Donna
Mr David P Love
Mr Sean Libby
Mr James E Leopard
Mr Jonathan Da Silva Johrden
Dr Shuai Deng
Dr Ehsan Kamel
Ms Ashley Chin
Mr Kenneth Carvalho

Happy New Year from all of us at ASHRAE Long Island.



CTTC

Hello everyone and welcome to ASHRAE in 2018!! I hope you had a happy and healthy holiday season. We have a lot of good speakers planned, so make sure you attend the chapter meetings.

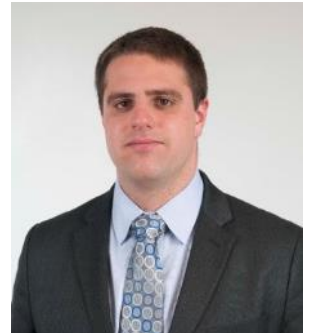
I was browsing a few websites and came across some interesting articles. The first was by the University of Alabama on how smart occupancy sensors can have a huge impact on building energy usage – up to 30%. They claim that much of a buildings HVAC energy is wasted on unoccupied rooms. Controlling HVAC with occupancy sensors is nothing new, but smarter sensors that can detect the amount of people in the room and, more importantly, knowing that these sensors are working correctly is a big piece of the efficiency puzzle.

See more here: <https://www.ua.edu/news/2017/12/improved-sensors-could-reduce-energy-used-for-hvac-systems/>

The other article that caught my eye was one on the expansion of the data center cooling market each year. We are already using devices to limit recirculation such as cold aisles and raised floors. The growing need to supply more efficient cooling systems for these centers will steadily grow in the next several years. How will the industry respond to this? Will the cost of the new equipment outweigh the efficiency? This will also become relevant in other parts of the world as efficiency codes become more standardized.

See more here: <https://www.energymanagertoday.com/data-center-cooling-market-expected-exceed-20-billion-2024-0173774/>

Matthew J. Vitrano **CTTC Chairman**



Refrigeration

Bill Artis
Refrigeration Chair



EPA proposes rule to boost HC charge limit for household fridges

The SNAP rule would raise the cap for propane, isobutane and R441A to 150 g from 57 g, in line with new UL standard.

The U.S. Environmental Protection Agency (EPA) is proposing to increase the charge limit for propane, isobutane and R441A to 150 g from 57 g in new household refrigerators and freezers under the Significant New Alternatives Policy (SNAP) program, a move that would open the U.S. domestic market to hydrocarbon-based refrigeration appliances.

The EPA's new use condition for flammable (A3) refrigerants is linked to UL 60335-2-24, Edition, which was revised in late April of this year to increase the hydrocarbon charge allowed in U.S. domestic refrigerators to 150 g from 57 g, the amount allowed under the previous standard, UL 250. The previous 57 g limit was widely seen as an impediment to the adoption of energy-efficient hydrocarbon refrigeration in the U.S. domestic market. Elsewhere in the world, where 150 g has long been the charge limit for domestic refrigerators, hydrocarbon units have gained substantial market share.

The Environmental Investigation Agency (EIA) and the North American Sustainable Refrigeration Council (NASRC) submitted a petition in September asking that the EPA take this step.

"The U.S. market has lagged behind the rest of the world for many years in adopting climate-friendly fridges, due to an outdated restrictive standard that had prevented hydrocarbon refrigerators used globally from entering the market," said Avipsa Mahapatra, Climate Campaign Lead for the Washington, D.C.-based EIA. "This rule will allow innovative American appliance manufacturers to catch up with the rest of the world."

Each year U.S. consumers purchase about 12 million new household refrigerators and freezers. Replacing the HFC commonly used as refrigerant (R134a) in this sector with hydrocarbons could avoid emissions of up to 3.7 million metric tons of direct CO₂ equivalent annually, according to EIA. Hydrocarbon fridges are also found to be more efficient than HFC units, the NGO noted.

In a report called "Bringing the U.S. Fridge Market into the 21st Century," EIA pointed out that multinational companies like AB Electrolux of Sweden, Samsung Electronics and Haier selling domestic refrigerators with R134a in the U.S. are already producing and selling models using hydrocarbons in other markets.

Efforts are also underway globally and in the U.S. to increase the allowable hydrocarbon charge in commercial refrigerators above 150 g. The IEC is considering raising the limit for flammable A3 refrigerants to 500 g.

The EPA said it's submitting the rule change – titled "Protection of the Stratospheric Ozone: Revision to References for Refrigeration and Air Conditioning Sector to Incorporate Latest Edition of Certain Industry, Consensus-based Standards" – for publication in the Federal Register. The change is considered "a direct final rule," barring "adverse comment" received within 45 days from the date of publication in the Federal Register. Comments (identified by Docket ID No. EPA-HQ-OAR-2017-0472) can be submitted to the Federal eRulemaking Portal, <https://www.regulations.gov>.

The EPA "is taking this action as a direct final rule without prior proposal because EPA views this as a noncontroversial revision and anticipates no adverse comments," the agency said. "The action does not place any significant burden on the regulated community and ensures consistency with industry standards."

If the EPA receives adverse comment, it will withdraw this direct final rule and address all public comments in any subsequent final rule.

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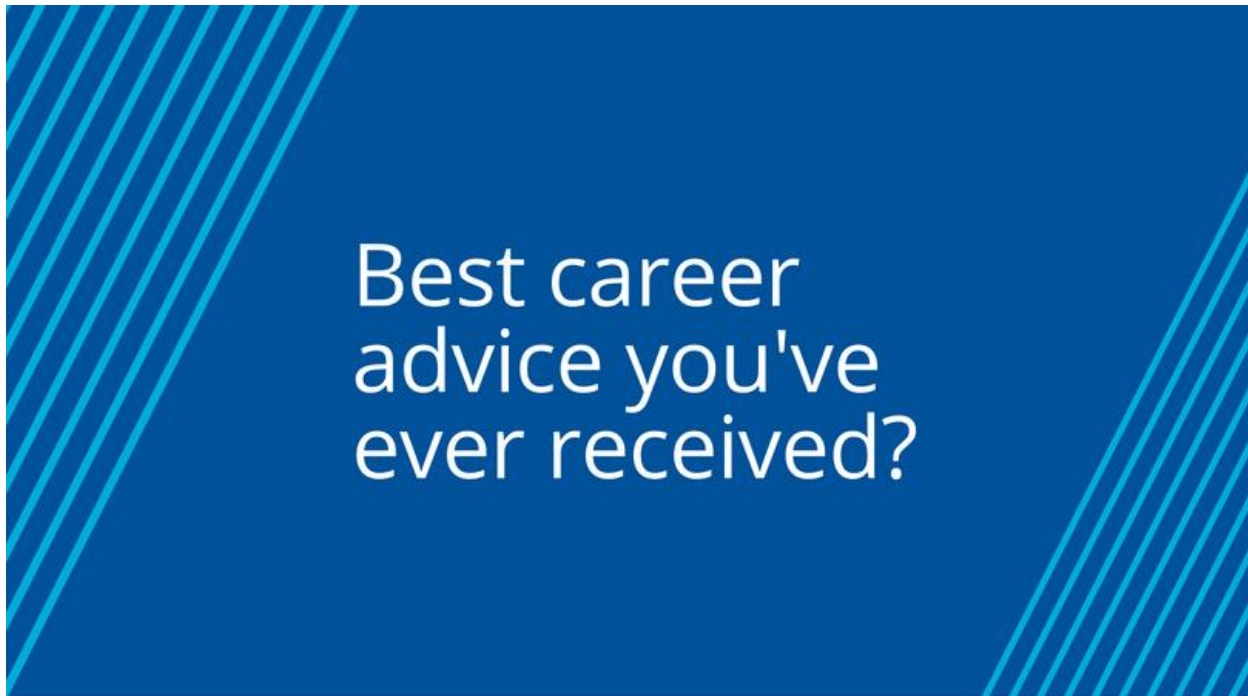
http://hydrocarbons21.com/articles/7980/epa_proposes_rule_to_boost_hc_charge_limit_for_household_fridges

Student Activities

By: *Murat Bayramoglu, Student Activities Chair*

WHY ASHRAE MATTERS?

We are planning to visit NYIT in Feb 2018 to talk about ASHRAE. Students need much more guidance about their career choices. We all know this matter. What's the best career advice for an engineer?



Hooman Daneshmand, PE CEM MBA, who is a member of board of governors at ASHRAE NYC Chapter, is willing to share his experiences with current students. We will invite other university and college students as well. It may turn out a large event, and iterate each year. I believe we have so many members who are very well experienced to pass their experiences to the students.

We will have a chance to talk about HVAC&R industry with students at the event. The main purpose to visit NYIT and other universities to start or activate their student branches. NYIT is in the verge of starting a new ASHRAE student branch, hopefully others will follow. Company owners and managers complain about not being able to find the right HVAC design engineers to hire when we meet at our monthly chapter meetings. Here's the chance for companies to receive interns, have the student develop their knowledge and interest in HVAC&R industry. We welcome AHSRAE-LI Chapter corporate members to participate in this event. Bring your intern application forms.

Grassroots Government Activities Committee (GGAC)

Welcome back, I hope everyone enjoyed their holidays and time off. I'm looking forward to seeing everyone at the next meeting.

I'd like to remind everyone that we are actively in the process of planning an event for GGAC called a "Day on the Hill". We'd love to have a few volunteers to come by and get involved. If you're interested, please let me know as soon as you can.

We're planning this with several regional chapters and I would greatly appreciate any participation. Details are still being ironed out.

I'd also like to highlight ASHRAE's efforts in pushing for Federal funding support in energy efficiency programs:



FY2018 Federal Funding

Federal funding has been extended through December 22. Congress continues to work on a longer-term spending measure to carry through the end of fiscal year 2018 (September 30, 2018).

ASHRAE joined other organizations in signing a letter to the U.S. Senate and House Appropriations Committee Chairs and Ranking Members urging them to support funding for federal energy efficiency programs. The letter also asks for Congressional oversight and direction to ensure that Federal agencies abide by Congressional intent. For example, the Energy Star program does not have a line item in the budget (or in appropriations bills), and so the letter asks Congress to provide clear direction for that program.

Andrew Blom

Grassroots Government Activities Chair

History

I hope everyone enjoyed the holidays and had a very Happy New Year! We will start off this year with a brief history of the ASHRAE Handbook. The Handbook began in 1922 titled "Heating and Ventilation Guide" published by the American Society of Heating and Ventilating Engineers (ASH&VE). Useful and reliable data of heating and ventilation at the time was not necessarily the easiest to come across. This is exactly what the goal of the society technically committees, task groups, and individuals goal was: To obtain data and prepare chapters using an information from any authoritative source. In addition, society-sponsored research provided much information.

ASH&VE, which later became the American Society of Heating and Air-Conditioning Engineers (ASHAE), published *The Guide* until 1961, when it was merged with the American Society of Refrigerating Engineers' (ASRE) *Refrigerating Data Book*, published since 1932, following the merger of the two societies in 1959. The combined publication was called the *ASHRAE Guide and Data Book*. Separate volumes were issued for *Fundamentals* and *Equipment*, and *Applications*.

In 1967, the information in the *Guide and Data Book* was regrouped into a *Handbook of Fundamentals*, with separate *Systems*, *Applications*, and *Equipment* volumes. In 1973, the *Guide and Data Book* was renamed the *ASHRAE Handbook*. In 1985, separate I-P and SI unit volumes were issued, and in 1986, a separate Refrigeration volume was established. Although volume groupings have shifted over the years, the name and the essential method by which the *ASHRAE Handbook* is compiled has continued to the present.



Michael Nigro

History Chair

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AD HERE**

BOG Meeting Minutes

BOG Meeting, Long Island Chapter
Tuesday December 12 , 2017 5 PM Westbury Manor

Call to Order

Thomas Dibenedetto attending

Secretary (Matthew Vitrano)

- Meetings minutes - Comments/Additions– approval last meeting **Motion to approve – Approved unanimously**

President (Andrew Dubel) Chapter Operations [min-600/Par-1200/980](2720)

- **PAOE- Keep updated**
- **Souder Articles** (Due December 18th)

Programs (Richard Halley)

- Balance of schedule
- Cocktail Hour Sponsors
- IFMA?
- Fill out schedule for sounder

Chapter Technology Transfer (Matthew Vitrano) [min-450/par-1050/150] (1775)

- DL Request – Update with actual date. Coordinate with Bill
- Facebook Updates **3 a month minimum**

Treasurer (Bill Artis)

- Current Balance
- Account access?
- Outstanding expenses
- Leadership 2.0 airfare
- Leadership 1.0 airfare **Motion to approve \$600 – Approved unanimously**
- Chapter Budget Status

Grassroots Government Advocacy (Andrew Blom) [min-500/par-650/0] (1800)

- Activities? **Day-on-the-hill in May - tentative**
- USGBC or ?

Historian (Michael Nigro)[min-100/par-300/300] (1415)

- Articles/interviews of past presidents **Running out of past presidents**
- Digitizing records –Status

Honors and Awards Chair (Brian Simkins)

- Service awards/Technical Awards
- Candidate Projects

Research Promotion (Frank Paradiso) [min-800/par-1050/0]] (3032)

- Vendor Book – Printing? **Not yet. Will find out minimum**
- 50/50 **Ongoing**
- Goal 30? **At \$5,600 - \$100 short of goal**

Refrigeration (Bill Artis)

- Updates?
- **Field trip – Potential Brookhaven Labs**

Membership Promotion (Bill Artis) [min-500/par-800/805] (1495)

BOG Meeting Minutes (Cont'd. from Page 24)

- Membership Upgrades
- Delinquency report?
- New Members this month?
- Planed Events?
- Events Budget?

Student Activities (Murat Bayramoglu) [min-300/par-500/50] (770)

- Scholarships **Flyer almost done**
- Student membership update.
- Stony Brook Chapter
- Suffolk
- Hofstra **Have to reach out to advisors. Presentation in February possible.**
- NYIT **Have to reach out to advisors. Presentation in February possible.**

YEA (Elizabeth Jedrlnic)

- Events? **Next event go-karting. Feb?**
- Budget? **Tri-chapter meeting potentially June**

Reception & Attendance (Mike Nigro)

Electronic Communications[min-250/par-500/225](0)

- Temp address
- New site active!
- Recovery of old address

Golf (Peter Gerazounis/Tom Fields)

- **New date?**

New Business

Time/Place of next BOG Meeting – January 9, 2018 – Westbury Manor – 5:00 PM

Motion to Adjourn

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.

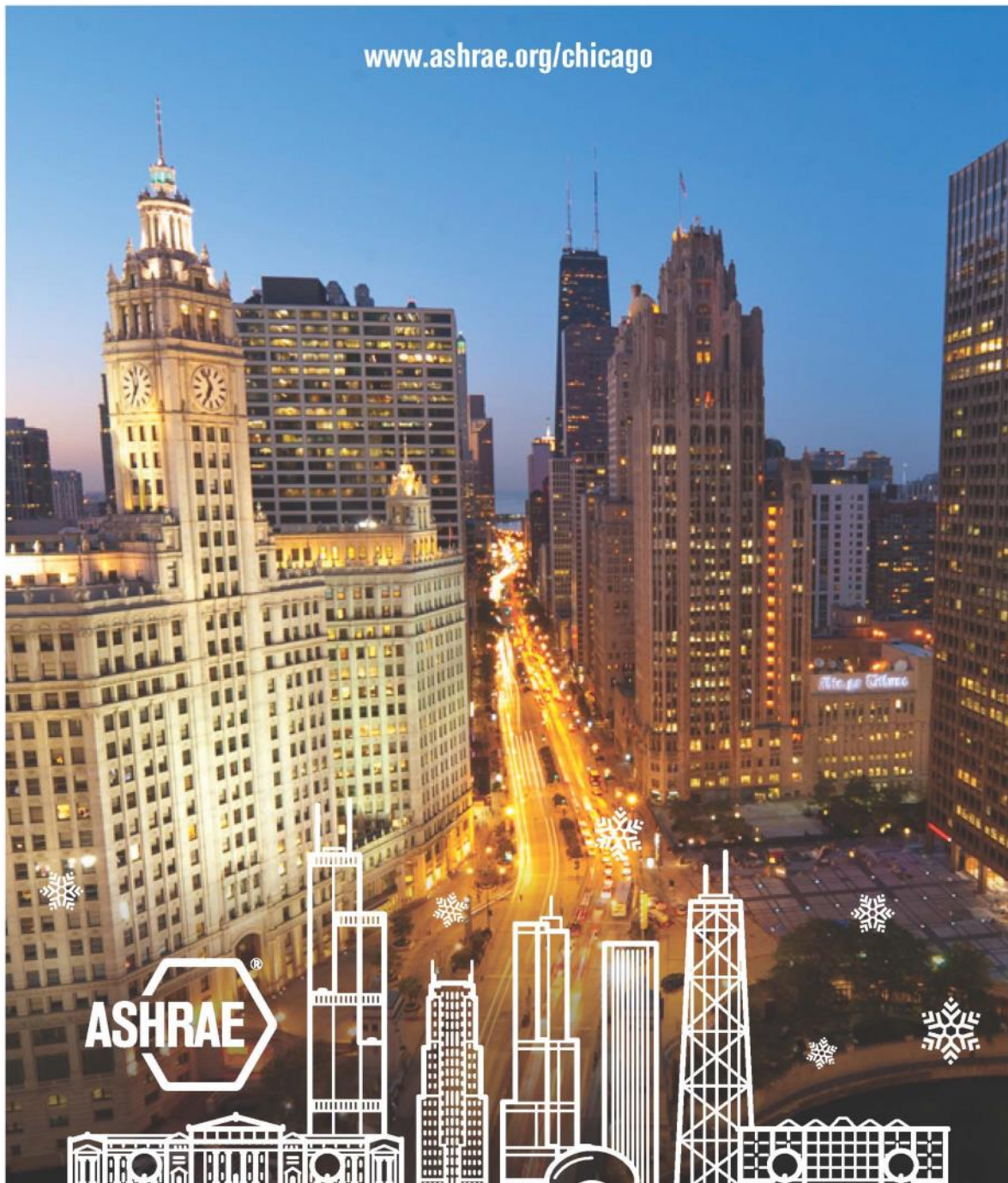
Adapting historical buildings for sustainable reuse.

Get To Know ASHRAE



2018 ASHRAE Winter Conference - Chicago, IL - January 20-24, 2018

www.ashrae.org/chicago



ASHRAE

2018 ASHRAE Winter Conference
Chicago, Illinois ★★★★★ January 20–24
AHR Expo ★ McCormick Place ★ January 22–24

2018 ASHRAE Winter Conference - Chicago, IL - January 20-24, 2018

ASHRAE Winter Conference & AHR Expo is where passionate people come together to share knowledge, learn new things and meet new people. This conference is a great way to immerse yourself in a growing community of incredibly smart, dedicated people. The 2018 Winter Conference will be at the Palmer House in Chicago, January 20-24, and the AHR Expo is at McCormick Place, January 22-24. And yes it will be cold in Chicago in January, but the cold never bothered us anyway.



The 2018 Show will be held in Chicago, hosting more than 2,000 exhibitors and attracting crowds of 65,000 industry professionals from every state in America and 165 countries worldwide. The Show provides a unique forum for the entire HVACR industry to come together and share new products, technologies, and ideas. The AHR Expo is co-sponsored by ASHRAE and AHRI, and is held concurrently with ASHRAE's Winter Conference. Your ASHRAE Conference Badge will give you access to the AHR Expo.

Technical Program

"Engineers and designers continue to advance designs to reduce the ecological impact of our built environment on the world around us. It has practically become second nature." Michael Collarin, chair of the 2018 ASHRAE Winter Conference, said. "However, and seemingly more so in recent years, the industry has needed to take steps to mitigate the impact of the world around us on our built environment. This is especially the case in our transportation, government and mission critical arenas, where the loss of critical infrastructure can have severe consequences, including the loss of life. The tracks and programs for the ASHRAE Winter Conference will focus on resources to design, build, control, commission and operate facilities and infrastructure that need to not only be efficient, but resilient." In addition to the tracks below, a Refrigerant mini-track and a Residential mini-track will be presented at the 2018 AHR Expo, Jan. 22-24.

Plenary Session Keynote Speaker

Saturday, January 20 at 3:15 p.m.



Debbie Sterling
Founder & CEO of GoldieBlox

Debbie Sterling is the Founder and CEO of GoldieBlox, an award winning company on a mission to "disrupt the pink aisle" with toys, games, and media for girls. Debbie is an engineer, entrepreneur, and one of the leaders in the movement toward getting girls interested in science, technology, engineering, and math. She was named TIME's "Person of the Moment," Business Insider's "30 Women Who Are Changing the World," and was recently added to Fortune Magazine's prestigious "40 Under 40" list. In early 2015, Debbie was inducted as a Presidential Ambassador for Global Entrepreneurship and honored by the National Women's History Museum with a "Living Legacy" Award for her work to empower girls around the world. Debbie received her degree in Engineering at Stanford University in 2005.

Tracks Include:

- Systems and Equipment
- Fundamentals and Applications
- Standards, Guidelines and Codes
- Earth, Wind & Fire
- Transportation IAQ and Air Conditioning
- Tall Buildings
- Modeling Throughout the Building Life Cycle
- Heat Exchange Equipment

Technical Tours

Gas Technology Institute (GTI) Lab

Monday, January 22, 2:30 – 5:30 p.m.
\$30

GTI's work includes ongoing development of technologies to improve the efficiency of residential and commercial HVAC and water heating products.

Method Home Soap Manufacturing Plant

Monday, January 22, 2:30 – 5:30 p.m.
\$30

The new state-of-the-art facility showcases the company's dedication to sustainability with the first LEED® Platinum manufacturing facility in its industry.



340 On the Park

Tuesday, January 23, 1:00 – 4:00 p.m.
\$30

340 On The Park is a 62-story, luxury multi-family high rise constructed in 2007 and managed by Lieberman Management Services, which utilizes a district chilled water service for the building's cooling needs.

The Plant

Tuesday January 23, 1:00 p.m. – 4:00 p.m.
\$30

This facility will eventually divert over 10,000 tons of food waste from landfills each year, while providing enough electricity to power over 250 homes.

General Tours

Chicago Neighborhoods

Sunday, January 21, 9:00 – 11:00 a.m.
\$65

Chicago Highlights 101

Sunday, January 21, 1:00 – 3:00 p.m.
\$65

Chicago's Southside Hidden Highlights Tour

Monday, January 22, 2:30 – 4:30 p.m.
\$65

Moody Tongue Brewery Tour

Tuesday, January 23, 1:00 – 4:00 p.m.
\$95

Gold Coast Tour

Tuesday, January 23, 1:00 – 3:30 p.m.
\$65

2018 ASHRAE Winter Conference - Chicago, IL - January 20-24, 2018

ASHRAE Learning Institute Courses

Full-Day Professional Development Seminars

By January 2, 2018:
\$510 (\$415 ASHRAE Member)

After January 2, 2018:
\$540 (\$445 ASHRAE Member)

Saturday, January 20, 2018, 8am-3pm

The Commissioning Process in New & Existing Buildings

Complying with Requirements of ASHRAE Standard 62.1-2016

Tuesday, January 23, 2018, 9am-4pm

Humidity Control I and II: Principles & Applications **Updated!**

Optimizing Indoor Environment: Increasing Building Value **NEW!**

Half-Day Short Courses

By January 2, 2018:
\$184 (\$139 ASHRAE Member)

After January 2, 2018:
\$214 (\$169 ASHRAE Member)

Sunday, January 21, 2018, 3:30-6:30pm

Air-to-Air Energy Recovery Applications: Best Practices

Laboratory Design: The Basics and Beyond

New ASHRAE-Classified Refrigerants to Meet Society's Changing Needs

Understanding and Designing Chilled Beam Systems **NEW!**

Monday, January 22, 2018, 8:30-11:30am

Designing High-Performance Healthcare HVAC Systems

Energy Management Best Practices

High-Performance Building Design: Applications & Future Trends

Monday, January 22, 2018, 2:45-5:45pm

ASHRAE Guideline 0 - The Commissioning Process

Design of Affordable and Efficient Ground Source Heat Pump Systems

Successfully Managing the Risk of Legionellosis Using ASHRAE Standard 188-2015

Tuesday, January 23, 2018, 9am-12pm

Variable Refrigerant Flow Systems: Design & Application

Fundamental and Application of Standard 55

Complying with Standard 90.1-2016: HVAC/Mechanical **NEW!**

Tuesday, June 23, 2018, 1-4pm

Complying with Standard 90.1-2016: Appendix G

Designing Toward Net-Zero Energy Commercial Buildings

IT Equipment Design Evolution & Data Center Operation Optimization

Certification Exams

Saturday, Jan. 20 and Wednesday, Jan. 24

Apply by Dec. 20 to sit for an ASHRAE Certification exam in one of these key fields:

Commissioning | Energy Assessment | Energy Modeling | Healthcare Facility Design | High Performance Building Design | Building Operations.

Conference Registrants can include the Certification application fee when registering, and apply by December 20 to sit for the exam. Applications are available at www.ashrae.org/certification.



SOCIAL EVENTS

Welcome Party

Saturday, January 20
6:30 - 8:30 p.m.
Cost: \$55



Catch up with old friends and make new ones as the Conference kicks off with the traditional Welcome Party. The event takes place at the Chicago Cultural Center, a few walkable blocks from the Palmer House Hilton.

Young Engineers in ASHRAE (YEA) Hospitality Suite

Sunday, January 21
4 - 6 p.m.
Palmer House

Young professional members age 35 and younger are invited to visit the YEA Hospitality Suite. The suite offers social and networking opportunities, and light refreshments are served.

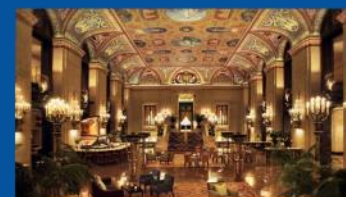
President's Luncheon

Monday, January 22
12 - 2 p.m.
Cost: \$45
Palmer House

2017-18 ASHRAE President Bjarne Olesen provides an update on his presidential theme, "Extend." Major contributors to the ASHRAE RP Campaign also are recognized.

Members' Night Out

Tuesday, January 23
Reception 6:15 - 7:15 p.m.
Dinner 7:15 - 10 p.m.
Cost: \$55
Palmer House



Feeling lucky? Take a chance and join us for an evening of fun with another Chicago "back room" action casino party. Here's the deal, come and test your skills or enjoy being serenaded by a local jazz band.

2018 ASHRAE Winter Conference - Chicago, IL - January 20-24, 2018



www.ashrae.org/chicago

REGISTRATION

Early Bird fees from September 1 through November 2

- \$535 member/\$745 non-member
- \$510 first-time member attendee/\$720 first-time non-member attendee
- \$135 Life Member

Advance fees from November 3 through January 2

- \$560 member/\$770 non-member
- \$535 first-time member attendee/\$745 first-time non-member attendee
- \$145 Life Member

Onsite registration fees from January 3 through 24

- \$695 member/\$900 non-member
- \$670 first-time member attendee/\$875 first-time non-member attendee
- \$270 member one-day fee/\$320 non-member one-day fee
- \$155 Life Member

Registration fees for speakers, student branch advisors and students

- \$135 speaker
- \$25 student branch advisor
- \$25 student member/\$55, full-time student non-member
- \$55 spouse/guest



2018 ASHRAE Winter Conference - Chicago, IL - January 20-24, 2018

FREE PASS



2018 AHR EXPO®

THE WORLD'S LARGEST HVACR MARKETPLACE



CHICAGO MCCORMICK PLACE • JAN 22-24, 2018

FREE PASS TO THE 2018 AHR EXPO COMPLIMENTS OF:

YOUR LOCAL ASHRAE CHAPTER

BE OUR GUEST AT THE 2018 AHR EXPO IN CHICAGO

SAVE \$30 FEE: REGISTER NOW ONLINE AT AHREXPO.COM OR BRING THIS CARD TO THE SHOW FOR FREE EXHIBIT HALL REGISTRATION

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>

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AN AD OR BUSINESS CARD LISTING IS A GREAT WAY TO GET YOUR COMPANY'S NAME IN FRONT OF THE HUNDREDS OF LI CHAPTER MEMEBERS, AND TO HELP SUPPORT THE CHAPTER'S ACTIVITIES.

If you would like to place an advertisement in the Long Island Sounder, please contact our Chapter Financial Secretary, James Hanna @ 718.269.3768 or by email at finsec@ashraeli.org for further details. Thank you.

Rates (includes all issues September-June):

Business Card \$200
Triple Size \$350

Half Page \$500
Full Page \$800