

November 2004

# THE LONG ISLAND SOUNDER



ASHRAE Long Island Chapter, Region 1...*Founded in 1957*

www.ashraeli.org

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

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## President's Message

Welcome to the November issue of "The Sounder", the newsletter of ASHRAE's Long Island Chapter.

I want to tell you that we will be updating our membership list. Please help the colleague that may get in touch with you to verify your contact information. If you want to be proactive, please contact any Officer (refer to phone & email in second page) to identify Long Island members who are not receiving our newsletter, or colleagues that would like to join ASHRAE.



On another note, our chapter is constantly looking for members interested in participating more actively in ASHRAE. If you are, let us know when you attend our next meeting. We may help you to find the area or activity that may interest you. At our chapter level, the Board Meeting is normally conducted an hour before the General Meeting, and you are welcome to attend as an ASHRAE member.

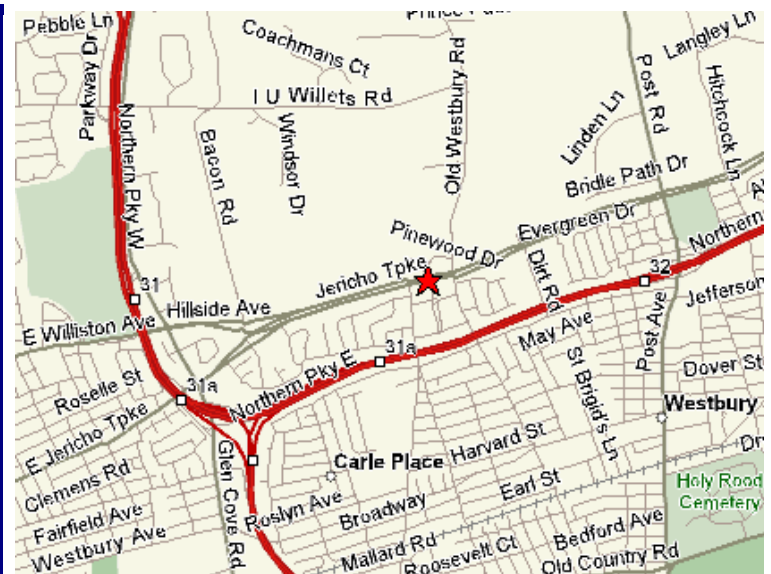
I am pleased to announce that our chapter continues expanding our relationship with other professional organizations in Long Island. The Chapter President of Illuminating Engineering Society (IES LI) - Scott J. Scherrer, LIPA - was our special guest at the October meeting. This month, the Program Director of the US Green Building Council (USGBC LI) - Nicole Lawrence, ECG, Inc - will be our special guest at the November meeting. We are hopeful that these steps will benefit our organization and our mem-

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## CHAPTER MONTHLY MEETING

<b>DATE:</b>	Tuesday, November 9, 2004
<b>TIME:</b>	6:00 PM - Cocktails/Dinner 6:45 PM - Dinner Presentation 9:00 PM - Conclusion
<b>LOCATION:</b>	Westbury Manor ★ South Side of Jericho Tpke. 25 Westbury, NY 11590 - See Map on Right
<b>FEES:</b>	
Members -	\$30.00
Guest -	\$35.00
Student -	\$15.00

*Reservations requested, but not required.  
Call (516) 333-7117*



## Long Island Chapter Officers & Committees

### ASHRAE 2004/2005 OFFICERS

POSITION	NAME	PHONE	FAX	E-MAIL
President	Claudio Darras, P.E.	(212) 354-5656	(212) 354-5668	cdarras@akf-eng.com
President-Elect	Craig D. Marshall P.E.	(203) 261-8100	(203) 261-1981	cmarshall@accuspecinc.com
Vice President	John Nally	(631) 331-0215	(631) 928-4625	jn@atidfny.com
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Secretary	Steven Giammona, P.E.	(631) 592-2678	(631) 630-8883	sgiammona@jameslasala.com
Board of Governors	Richard E. Gerbe	(516) 484-1020	(516) 484-0926	reg@leapc.com
Board of Governors	James Hayes	(201) 247-7286	(718) 228-6721	jhayes@geru-usa.com
Board of Governors	Andrew S. Braum, P.E.	(516) 785-4200	(516) 785-9148	asb@asbengineering.com

### ASHRAE 2004/2005 COMMITTEES

COMMITTEE	NAME	PHONE	FAX	E-MAIL
Programs and Special Events	<b>Craig D. Marshall, P.E.</b>	(203) 261-8100	(203) 261-1981	cmarshall@accuspecinc.com
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Chapter Technology Transfer	<b>Richard E. Gerbe</b>	(516) 484-1020	(516) 484-0926	reg@leapc.com
Newsletter Editor	<b>Steven Friedman</b> <b>Liset Pena</b>	(212) 643-9055 (212) 643-9055	(212) 643-0503 (212) 643-0503	sfriedman@mgjassociates.com lpena@mgjassociates.com
Resource Promotion	<b>Peter Gerazounis, P.E.</b>	(212) 643-9055	(212) 643-0503	pgerazounis@mgjassociates.com
Historian	<b>John Nally</b>	(631) 331-0215	(631) 928-4625	jn@atidfny.com
Student Activities	<b>John Nally</b>	(631) 331-0215	(631) 928-4625	jn@atidfny.com
Webmaster	<b>James Hayes</b>	(201) 247-7286		jhayes5598@aol.com
Honors, Awards & Publicity	<b>Ray Schmitt</b>	(631) 585-6800	(631) 471-4950	therevrgs@aol.com
Nominating	<b>Michael Gerazounis, P.E.</b>	(516) 482-3207	(516) 482-3790	mgerazounis@mgjassociates.com
CRC General Chair	<b>Alan Goerke, P.E.</b> <b>Frank Morgigno</b>	(631) 331-0215 (631) 331-0215	(631) 928-4625 (631) 928-4625	ag@atidfny.com fm@atidfny.com
Reception and Attendance	<b>Nancy Roman</b> <b>Carolyn Arote</b>	(516) 556-4800 (516) 556-4800	(516) 256-3299 (516) 256-3299	nroman@airdist.com carote@airdist.com
Public Relations & Engineering Joint Council of LI	<b>Richard E. Gerbe</b>	(516) 484-1020	(516) 484-0926	reg@leapc.com
Golf Outing	<b>Alan Goerke, P.E.</b> <b>Craig D. Marshall, P.E.</b>	(631) 331-0215 (203) 261-8100	(631) 928-4625 (203) 261-1981	ag@atidfny.com cmarshall@accuspecinc.com

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## President's Message (Cont'd. from Page 1)


bers. ASHRAE Winter's meeting will be February 5-9, 2005 in Orlando, Florida. If you need further information please go to [www.ASHRAE.org](http://www.ASHRAE.org). We hope to see you there. If you plan to attend, let us know.

Our October meeting featured Ronald J. Wilkinson, P.E. and his presentation called "The Commissioning for Performance and LEED Certification". Our sincere thanks to Ron for an informative and well documented presentation. If you missed it, you may still download it from our website [www.ashraeli.org](http://www.ashraeli.org).

November is our traditional "2004 Joint Meeting" with SMACNA, furthering our relationship with this vibrant organization in Long Island. This year our meeting will feature a fast-paced forum by leading HVAC Long Island Contractors, who will offer their perspective and analysis of current topics (refer to promotional material inside). It will be a great meeting. We hope you can join us then. As usual, you are cordially invited.

*Claudio Darras, P.E.  
President - Long Island Chapter*

## Chapter Monthly Meeting - Program for 2004/2005

<b>September 14, 2004</b> * At Westbury Manor  Dinner Presentation - The Mechanical Engineer's Role in Sustainable Design & The LEED Rating Sys	<b>March 8, 2005</b> <b>FIELD TRIP</b> Island Aire Facility Ronkonkoma, NY PTAC Units & Water Source Heat Pumps
<b>October 12, 2004</b> * At Westbury Manor  <b>ASHRAE DISTINGUISHED LECTURER</b> Dinner Presentation - Buying or Selling, The Nuts & Bolts of Commissioning	<b>April 12, 2005</b> * At Westbury Manor <b>MENTOR NIGHT</b> Dinner Presentation - VAV System Design
<b>November 9, 2004</b> * At Westbury Manor <b>JOINT MEETING WITH SMACNA-LI</b> Dinner Presentation - HVAC Essentials	<b>April 13, 2004</b> * Location TBD ASHRAE Satellite Broadcast - Mold in our Building Environment
<b>December 2004</b> Holiday Event - TBD	<b>May 10, 2005</b> * At Westbury Manor <b>REFRIGERANT NIGHT</b> Dinner Presentation - TBD
<b>January 11, 2005</b> <b>JOINT MEETING WITH ACCA-LI</b> Dinner Presentation - TBD	<b>May 2005</b> <b>ANNUAL CHAPTER GOLF OUTING</b>
<b>January 2005</b> ASHRAE Winter Meeting and Trade Show	<b>June 14, 2004</b> * At Westbury Manor <b>PAST PRESIDENTS &amp; OFFICER INSTALLATION</b> Dinner Presentation - TBD
<b>February 2005</b> Joint Meeting with NYC, Bi-State & NJ Chapters (ASHRAE President Elect 2004-2005)	<b>June 2005</b> ASHRAE Annual Meeting
<b>February 2005</b> <b>NATIONAL ENGINEERS WEEK</b>	
<b>August 2005 - Chapter Regional Conference Region I - New Jersey</b>	

## November Chapter Meeting - Program

*You are cordially invited to our November 2004  
Joint Meeting with SMACNA LI*

### Dinner Presentations

#### **“HVAC ESSENTIALS”** 2004 Professional Forum



*Panel Presenters:*

**Paul Parker, Executive Director SMACNA LI**

**Eli Howard, Director of Technical Services SMACNA, ASHRAE**

**Bill Freese, ITB, SMACNA Board of Directors, T&B Task Force, NEMI Board of Directors**

**Tom Luerseen – ANRON Sheet Metal, Vice President of SMACNA LI**

**Al Sapio – ARLAN Damper Co., SMACNA College of Fellow**

<b>DATE:</b>	<b>TUESDAY, NOVEMBER 9, 2004</b>		
<b>Time:</b>	6:00 PM – Cocktails and Hors D'oeuvres 6:30 PM – Dinner Presentation 8:30 PM – Conclusion	<b>Fee:</b>	\$ 30.00 Member \$ 35.00 Guest \$ 15.00 Student
<b>Location:</b>	<b>WESTBURY MANOR</b> (516) 333-7117 Jericho Tpke (South Side), 3/10 of mile east from Glen Cove Rd., Nassau County, NY. <b>Please Contact Craig Marshall at <a href="mailto:cmarshall@accuspecinc.com">cmarshall@accuspecinc.com</a> for directions.</b> <b>- Reservations requested but not required. Business attire suggested</b>		
<b>Panel Presentation:</b> (Length- 2.0 Hrs)	The following topics will be presented and open to analysis: <ul style="list-style-type: none"> <li>➤ New “NYS Commissioning Law “and its impact on Design Engineers &amp; Contractors (20 min)</li> <li>➤ SMACNA’s “Commissioning Manual”: A technical review (20 min)*</li> <li>➤ TAB &amp; Commissioning: Issues worth knowing (20 min)</li> <li>➤ Duct Construction: What to look for to assure a complete and successful Project (20 min)</li> <li>➤ Fire &amp; smoke dampers – What you must know &amp; what’s new about them (20 min)</li> </ul>		
<b>About our Guest Participants:</b>	Paul Parker - Executive Director LI SMACNA Eli Howard - Director of Technical Services SMACNA, ASHRAE Bill Freese - International Testing and Balancing (ITB), SMACNA Board of Directors and T&B Task Force, NEMI board of Directors, Tom Luerseen - ANRON Sheet Metal, Vice President of SMACNA LI Al Sapio - ARLAN Damper Co., SMACNA College of Fellow.		

\* A complimentary copy of the “SMACNA’s Commissioning Manual” will be available to each attendee.

CHAPTER MAY NOT ACT FOR SOCIETY

An International Organization

ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. - Long Island Chapter

## Board of Governors - Meeting Minutes

Meeting of the Board of Governors was held on 10/12/04 at the Westbury Manor. Present at the meeting were: Claudio Darras, Rich Gerbe, Peter Gerazounis, Steve Friedman, Craig Marshall, Steve Giammona, John Nally and Alan Goerke. Meeting called to order by Claudio Darras at 5:10 PM:

**CRC** - Alan Goerke reviewed final income vs. expenses for CRC. Alan Goerke indicated that CRC operated +\$ 3,000. Half will be given to the region and half to the chapter operating expenses. Peter Gerazounis to settle all account issues (income vs. expenses). A balance sheet must be submitted to Lynn Bellenger. Comments from region were all positive.

**Treasury** - Steve Friedman reviewed funds. Accounts show positive flow. He must review with the account final tax forms and submission.

**Programs** - Craig Marshall discussed the programs and indicated that the joint SMACNA meeting is this month. There was a discussion on going to the Cradel of Aviation for a tour in December. This must be reviewed. It was discussed that private tours could be costly. Craig also wants to finalize (CEU) values for meetings. This is still an open issue that must be resolved. He needs to show in the newsletter which program nights will be accredited (Craig Marshall to advise). We discussed a topic for the ACCA joint meeting. Vibration Isolation was a possible topic. This needs to be followed up. The February joint meeting with NYC is set for February and Ron Vallort will be the Distinguished Lecturer.

**Reception** - To issue badges with names, which would indicate that they paid to attend.

**Membership** - Steve Giammona will review the e-mail list with Liset to see if the newsletter distribution could be expanded.

**Newsletter** - Claudio Darras mentioned that database is good source to get email and Addresses of members. Steve Friedman mentioned that Liset Pena would like to get name, address, phone number and email for new members/ newsletter recipients. Steve Friedman asked if anyone has comments on newsletter. Articles for November Newsletter due October 22nd. For all future inserts articles are due at least 3 weeks prior to meeting.

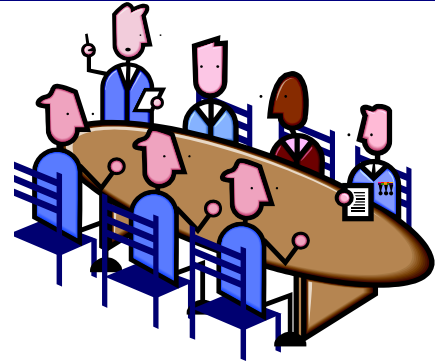
**Resource Promotion** - Claudio Darras mentioned that we must set goals. Peter Gerazounis to put together a summary to reach goals.

**Student Activities** - John Nally visited Stone brook University for engineer's day. The goal was to re-energize the student chapter. Forty (40) students showed interest. It was discussed to add their names to the newsletter distribution. Rich Gerbe will represent ASHRAE LI at the Hofstra engineers award Luncheon. Student nights need to be assigned it was decided to be in November and in May.

**CTTC** - Rich Gerbe will attempt to gain 80-90% of total available points putting together agenda.

**General** - Claudio Darras needs to fill 1 position (Historian). Mike Gerazounis will nominate The Honors & Awards Chairman will be filled by. Andrew Braum. Meeting adjourned at 6:20 pm.

**Steve Giammona - Chapter Secretary**



## Why Belong to an ASHRAE Chapter?

**Grassroots of Society:** Each Chapter is supported by volunteer effort. Chapters are divided into geographic regions to effectively organize Chapter efforts; provide volunteer training; and open a communications channel to the Society's Board of Directors. Each region holds an annual conference that includes a technical program and business session. Nominations for service on many Society-level committees are made at these meetings.

Each of the Society's more than 160 Chapters usually meets for a monthly dinner and technical session featuring a noted speaker. This activity brings the latest in technical information to the local level. Chapters also sponsor seminars and lecture series to provide members with more detailed technical information.

Some Chapters even conduct courses that are not available at local universities for their members and other interested professionals. Public information programs are another important Chapter activity. For example, it is not uncommon for ASHRAE members to hold seminars on energy conservation in the home, or to provide engineering career guidance to young people. In addition, many Chapters sponsor scholarships to students attending college and help organize and support ASHRAE student branches. If you are not a current chapter member and would like further information, please view our website at [www.ashraeli.org](http://www.ashraeli.org).



## History - "A Long Time Ago"

Around the time I was looking forward to my third birthday, a local group of HVAC industry professionals called "Steering Committeemen" were busy collecting petition signatures and new applications. The purpose of the petition was to request authority to organize the beginning of the Long Island Chapter of the American Society of Heating & Air Conditioning Engineers. This was back in the days when there was no "R" for refrigeration in the acronym and Society headquarters was based in New York City.

These fellows with a lot of "leg work", remember there were no faxes or e-mails in those days, collected signatures from 21 Society members and completed applications for 26 new members. With petitions and applications in hand, they all met on September 12<sup>th</sup>, 1957 in the auditorium of the Willis Avenue School in Mineola. This was an "organizational meeting" and it was called to order at 8:30 PM by Mr. John Everetts Jr., who was the Society Director of Region 1.

Mr. Everetts went on to speak about the "aims, purposes, benefits and history" of the Society, tracing its growth from the first Chapter in 1906. The Long Island Chapter would become the 70<sup>th</sup> Chapter to be formed. Mr. Everetts also spoke about the various research projects and their impact on the industry. After Mr. Everetts concluded, the meeting was turned over to the new Chairman, Mr. Henry Campbell Jr. who spoke on the purposes and benefits of forming a local chapter. Mr. Campbell went on to ask for volunteers for the necessary committees; Nominating, By-laws, Charter Meeting and Membership. After accepting volunteers, Mr. Campbell asked the Steering Committeemen to turn over the petitions and applications to Mr. Fred Hoffman, Assistant to the Executive Secretary of Society for processing at their next admissions and advancement meeting. The meeting was adjourned at 10:45 PM and there were 52 persons in attendance.

The petitions were received at Society on October 2<sup>nd</sup>, 1957 and on October 12<sup>th</sup> the Charter for the Organization of the "Long Island Chapter of the Heating and Air Conditioning Engineers" was officially issued. So next time your cruising down the highway and see one of those old 1957 Chevy Bellaires with the 283 V8 engine, think of the beginning of our chapter and the people who worked hard for its creation. Who knows, maybe our new Charter rode in that car.

See you at the next meeting.

*John Nally - Chapter Historian*

## Resource Promotion

To date, I have received very little response by our members and annual contributors. November is Resource Promotion & Donor Recognition Night and the Long Island Chapter will be honoring last year's contributors with Distinguished Antique Coins and Plaques. Coupled with a great joint meeting with SMACNA LI, we are expecting a great turn-out.

If you have not done so already, please bring your donation check to the meeting and show your support for ASHRAE and our chapter. On behalf of the Long Island Chapter I would like to thank the following 2004-2005 contributors:

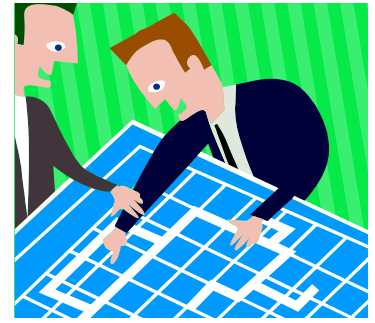
Robert W. Kane Incorporated	Harold C. Smith, Jr.
Peter Gerazounis	Frank D Morgigno
Joseph V. Marino	Control Solutions Group, Inc.
Concessi Engineering	Andrew S. Braum
Michael Gerazounis	Raymond G. Schmitt
Jerome T. Norris	Howard B. Weitzman
John J. Fanneron	Adrian T. Bogart, Jr.
Arthur A. Huebner	Michael O'Rourke
Fred H. Weber	Ronald J. Kilcarr
Robert A. Leventhal	John D. Nally

**Peter Gerazounis, P.E.**  
**Resource Promotion Chair**



## Student Activities

We had an excellent October month with activities happening at Stony Brook and Hofstra Universities. First I would like to thank Mr. Foluso Ladeinde of the Mechanical Engineering Dept. and Ms. Joan Kenny Assistant Dean in the College of Engineering and Applied Sciences at Stony Brook University. Mr. Ladeinde and Ms. Kenny were instrumental in getting us involved in the "Engineers Day" activities at the school. Our student committee members had the opportunity to meet and talk to many of the mechanical engineering students and plant the seeds for ASHRAE membership and participation. Special thanks also to board members Steve Giammona and James Hayes who volunteered their time and efforts to participate with this event. Second I would like to thank Dr. Charles Forsberg and Ms. Lori Castoria from the Dept. of Engineering at Hofstra University for inviting us to their Honors and Awards Convocation.



We had the opportunity to announce the scholarship award given to Brandon Silikowski from our chapter and we were also able to address the engineering student body and put a plug in for ASHRAE. Special thanks also to board member Richard Gerbe who represented us at the event.

Students pay attention here. ASHRAE Society has numerous scholarships and grants available. There are (10) one-year undergraduate scholarships for \$ 3,000.00 each, (8) two-year undergraduate scholarships for \$ 5,000.00 per year and (1) one year graduate fellowship for \$21,000.00 available annually. Please log on to the ASHRAE web site [www.ashrae.org](http://www.ashrae.org) and go to the student zone tab for more info. Or you can contact Lois Benedict the Scholarship Administrator for ASHRAE at (404) 636-8400. There is nothing to lose here and everything to gain. Go for it. In addition to the Society scholarships, the Long Island Chapter will be awarding (2) undergraduate scholarships for \$ 1,000.00 each next spring. Please contact myself or any of our board members for details.

We will be hosting two student membership nights at the March and May dinner meetings. This is a great opportunity for students to mingle with our chapter members, participate with the technical discussion and get a free meal. How good is that? More information will be available in the upcoming months.

Finally, at our last dinner meeting I spoke about ASHRAE's interest with student involvement at the K to 12 levels. We have a lot of neat stuff to show the kids and we would welcome the opportunity of an audience. If anyone of our members is involved with K to 12 student activities in or out of school please let us know.

**John Nally - Student Activities Chair**

## CTTC

### Qualifications Based Selection

Back in the 60's, a jet manufacturer was trying to build a jet that would go mach 4 (4 times the speed of sound for you non-aeronautical types). Finally after many years of design, the jet was finished. A test pilot took it out for it's maiden flight. Everyone gathered around ... and the plane went to Mach1 ... Mach2 ... Mach3 ... Mach3.5 ... and the wings ripped off, the plan hit the ground and killed the test pilot.

The engineers went back to the design and spent months re-vamping it. They came out with the new and improved second version, but when they tested it, it had the same disastrous results: the plane's wings ripped off and the pilot was killed in the crash.

The engineers went through 7 iterations, until finally they were about to give up. They decided to contact Bob, a retired engineer with the reputation of being able to fix all problems.

Bob comes in, asks to see all the design figures, charts, and drawings, and takes them home to study them. He calls the next day and says he has discovered a solution to the problem: drill holes vertically through the wings at the exact spot where they attach to the body.

At first everyone argues - the wings are ripping off now, why drill holes to them? But Bob insists that it will work. So eventually, they give in and do it. The jet is tested later that day and not only does it reach Mach4, but it goes to Mach5.3 before the test is declared over and successful. All the engineers rush to Bob and congratulate him for his uncanny ability to discover the solution. "How did you know?" asks one of the engineers.

**Cont'd. on Page 9**

**CTTC (Cont'd. from Page 8)**

"Well, I'll tell you. I was on the toilet, and it occurred to me - toilet paper never tears on the perforations."

Ineptitude in design is as dangerous as Bob the engineer's thumb in the wind design calculation. Engineers have the most input in turning needs and undefined concepts into the reality of detailed construction plans. The skill and performance of the engineering team determines the entire course of a project and has a significant impact on the construction, operation and maintenance cost during a facility's lifetime. So one would think that securing a qualified engineering firm would be the first priority. Through low bid procurement projects often go to the firm offering the lowest price for services not the firm which is most qualified. Engineering fees are only a small fraction of the total project expenditures, so why do those individuals or agencies seeking engineering firms skimp on that cost?

Qualifications Based Selection (QBS) is a process for the selection of design professionals. It is a negotiated procurement process for selection based on qualifications and competence in relation to the work to be performed. Also known as quality-based selection; QBS allows for selection of the most highly qualified firm with the best experience, capabilities, technical approach and quality of personnel, matched to the needs of the project and the agency.

The selection process is relatively simple. First based on a preliminary scope of services public notice of a project is given. Interested engineering firms then submit a submittal of qualifications. The submittals are then reviewed by the agency. Three to five firms are selected from the submittals and then are interviewed. The agency then ranks the firms in order of the most qualified. The firm deemed most qualified is then contacted and a detailed scope of work and fees are negotiated. In the event a successful contract cannot be awarded, the next highest ranking firm is contacted and negotiations begin with them.

Underbudgeting engineering fees can be extremely costly when the life span of a project is considered. Engineering fees are often one percent of a project's total life cycle cost. Ninety-nine percent of the life cycle costs are contributed to operation and maintenance. An engineering firm with the proper expertise and the time during the design phase to examine alternative systems can dramatically reduce operation and maintenance costs.

Not only are the benefits to those procuring engineering services vast, taxpayers, contractors, the community benefit as well. Agencies whom utilize QBS benefit the taxpayers by ensuring that a firm has been hired that can provide a cost-effective design solution at a fair market value. This resulting in lower overall project costs, minimizing delays, cost overruns and litigation, and lowering operating and ownership costs. The community profits through buildings that employ the best design solutions to meet the needs of the public, emphasizing public health, safety and quality of life. Contractors benefit by receiving high-quality plans and specifications, making bidding and completing construction easier.

The QBS benefits to engineering firms are abundant as well. In a world where time is money, the quality of a project is often dictated by the fee negotiated. When a proper fee is obtained, sufficient time can be spent to develop, design and review designs. Designs are not rushed and quality is not compromised. Allowing more time during the design phase ensures mistakes are caught, which means less time lost to redesigns, less construction site visits, less change orders and RFIs, happier clients, and the risk of lawsuits reduced.

Legislative making use of QBS in New York State has been in existence for over 20 years. Successful use of QBS includes use by the federal government, 42 states and hundreds of municipalities.

Services provided by builders or contractors are not included under QBS. Selection of a firm to construct a project and selection of a firm to design a project differ greatly. Engineers take an idea and give it definition, contractors take that definition and turn it into reality. Construction contracts can be safely awarded to the lowest responsible bidder because all contractors submit bids based on design documents that specify all major aspects of the project. In the case of Bob the engineer, a non-qualified engineer's work was acceptable and the results were satisfactory.

But when hiring an engineering firm, why take the risk of hiring a nonqualified firm? The engineering firm is retained at the beginning of a project long before construction, so the additional cost to hire a competent firm at the beginning of a project is negligible when considered over a project's life cycle. As design professionals in the construction business, it is important to learn about QBS and work toward it becoming the standard for the engineering industry. Virtually all engineering societies have information about QBS. Searching the internet will provide numerous sites containing further information and details.

**Richard E. Gerbe**  
**Chapter Technology Transfer Committee Chair**

## Environmental Business Association of NY State



**Environmental**  
**Business Association**  
 OF NEW YORK STATE, INC.



**ASHRAE – Long Island Chapter**  
**Environmental Business Association of New York State, Inc.**  
**USGBC - Long Island Chapter**

Join us for our on-going series:  
 HIGH-PERFORMANCE GREEN BUILDING DESIGN

### **The System Approach to Thermal Performance - Control of Condensation and Mold in Buildings**

Wednesday, December 8, 2004  
 8:00am – 10:00am  
 The Weeping Willow  
 25 Smith St.  
 Farmingdale, NY 11735

Guest Speaker:  
**Mr. Bruce Small, Architect Representative, Icynene Inc.**

*This presentation will highlight the developments in building science with an emphasis on the use of insulation and its relationship to the durability and air quality problems that many buildings seem to be experiencing. In the last 50 years or so little has changed with building science other than having adopted the use of insulation materials in an effort to create a more comfortable indoor environment. It is during this period in building science development that we have begun to experience failures in buildings in the form of moisture accumulation within walls or within the building envelope.*

Affiliate: Building Performance Contractors Association of New York State, Inc. (BPCANYS)

Very truly yours,

Claudio Darras, P.E., President, ASHRAE – Long Island Chapter  
 Peter Caradonna, Chair, USGBC – Long Island Chapter  
 Murray Levi, Chair, EBA/NYS Green Buildings Task Force

**AIA/CES Learning Units – 1HSW credit**  
**CEEP Inc. will be offering 1.5 PDH**

This event is produced by the Center for Economic and Environmental Partnership, Inc.  
 in furtherance of its educational mission.

Additional sponsorship opportunities are available.

Please contact Ed Parker at (518) 432-6400 x227 or email: [ed@eba-nys.org](mailto:ed@eba-nys.org)

**Environmental Business Association of NY State (Cont'd from Page 10)**

**Pre-Registration required by 5:00pm, Monday December 6, 2004**

\$15 for ASHRAE, EBA/NYS and USGBC members, \$25 for non-members, \$30 at the door (not Pre-Registered)

Online: [www.ceepinc.org](http://www.ceepinc.org) Calendar of Events

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Payment is requested in advance. If paying at door, kindly have cash/check (payable to "CEEP, INC") ready in the appropriate amount. Registration for the Green Buildings Salon – Farmingdale, December 8, 2004 (**please complete in full**):

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