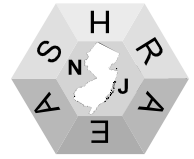




THERMOGRAM



The New Jersey Chapter of ASHRAE Newsletter

WWW. NJASHRAE.COM

FEBRUARY 2006

1-(800)-927-7234

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REFRIGERATION

JIM CASEY

TECHNICAL, ENERGY & GOV. (TEGA)

JUAN MURILLO
609-860-6600

NEWSLETTER ADS

OPEN

NEWSLETTER EDITOR

MARK RICHTER P.E.

MARCH 2, 2006

WOODBIDGE SHERATON
ROUTE 1, GILL LANE, ISELIN, NJ

JOINT MEETING WITH
ILLUMINATING ENGINEERING SOCIETY OF
NEW JERSEY (IESNJ)

COST \$50.00 MEMBERS, \$55.00 GUESTS &
\$5.00 STUDENT

RSVP TO NJASHRAE.COM OR CALL 1-800-927-7234
NO LATER THAN MARCH 1ST

5:00 PRE-TECHNICAL SESSION

BILL LALLY, M.E. & TOM MADONIA, E.E.
"ASHRAE 90.1 – 1999"

5:45 COCKTAIL HOUR

6:45 DINNER AND SPEAKER

SPEAKER: MR. JEFF GRANT P.E., C.E.M., C.E.P.
MACK CALI REALTY CORP.

TOPIC: "BUILDING ENERGY EFFICIENCY"

The presentation topic addresses utilizing building electricity load profiles to improve building operating efficiency. As part of the presentation, the challenges and benefits of bringing tangible understanding of facility electricity use to bear on operating decisions will be illustrated as well as the impacts of electricity tariffs on the bottom line operating decision costs.

INSIDE.... READ INTERVIEW EXCERPTS OF CHAPTER PAST PRESIDENT RUTH GIACOBBE ON HER ACCOMPLISHMENTS AS THE CHAPTER'S FIRST WOMAN PRESIDENT.

**COMMITTEES
(CONTINUED)**

| | |
|-----------------------------------|---|
| NOMINATING | LINDA CAROLAN 908-663-2180 |
| PROGRAM | JORI FAHRENFELD 856-795-2224 |
| SEMINARS | MARK RICHTER P.E. 212-354-5656 |
| ROSTER/DIRECTORY | BRIAN MATHIAS 973-276-2734 |
| TECHNICAL SESSIONS | JORI FAHRENFELD 856-795-2224 |
| SCHOLARSHIP | OPEN |
| CRC 2005 | MIKE CASOLARI (609)860-6600 |
| SPECIAL EVENTS/GOLF OUTING | LINDA CAROLAN 908-663-2180 |
| AUDIT | MIKE GARBARINI 732-695-5077 |
| BUDGET | MARK RICHTER 212-354-5656 |
| HISTORIAN | BOB DALY |
| ATTENDANCE/RECEPTION | MARK MCLEOD 973-633-7730 |
| HONORS & AWARDS | JEFFREY GRANT 908-272-6755 |
| WEB PAGE DESIGN | OPEN |
| CHAPTER BYLAWS | SPENCER MORASCH 732-212-4133 |

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**ASHRAE ATLANTA
TOLL FREE MEMBERSHIP
NUMBER
1-(800)-527-4723**

FEBRUARY DINNER SPEAKER BIOGRAPHY

Jeffrey Grant, PE, CEM, CEP

Director of Corporate Energy
Mack-Cali Realty Corporation
11 Commerce Drive
Cranford, NJ 07016



Mr. Jeffrey Grant is the Director of Corporate Energy with Mack-Cali Realty Corp., a New Jersey based real estate investment trust, where he oversees developing and implementing retail energy procurement programs and other strategic energy efficiency infrastructure programs for new and existing facilities. Mr. Grant has over 25 years of experience in HVAC systems design, energy conversion systems design and energy use analysis. At Mack-Cali, he has implemented a corporate energy program for procuring and managing contracts for over 60 megawatts of power for Mack-Cali's DC, New York and New Jersey office facilities. Also as part of this program he implemented the EPA Energy Star Building benchmarking procedures that resulted in seven Energy Star Building labels for Mack-Cali properties in New York and New Jersey. In addition, he implements methods to reduce energy consumption through opera-

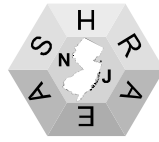
tions best practices and maximizes building efficiency by improving design requirements for new building systems.

Prior to joining Mack-Cali, Mr. Grant directed the Utilities Management Services group of RG Vanderweil Engineers, Inc.'s Princeton office, where he implemented an energy master plan and negotiated an off-tariff rate agreement with the local utility company for Sprint's headquarters in Overland Park, Kansas. Prior to this he managed his consulting engineering practice that focused on providing energy analysis and engineering services for commercial, industrial and utility clients.

Mr. Grant is a past president of Energy Expo, Inc., the not-for-profit organization that produced energy related programs for the tri-state region; past president of the North Jersey Chapter of the American Society of Heating Refrigeration and Air Conditioning Engineers; and member of the New Jersey chapters of NAIOP, BOMA and the Association of Energy Engineers.

He has a BS in mechanical engineering from Tulane University and an MBA from Rutgers University. He is a professional engineer, a certified energy manager (CEM), and a certified energy procurement professional (CEP).

*Mark Richter, P.E.
Newsletter Editor*



NJ ASHRAE
2005 – 2006 DINNER MEETING SCHEDULE*

APRIL 6TH
STUDENT NIGHT
SPEAKER TO BE ANNOUNCED
SYSTEM INTEGRATION

MAY 4TH
INSTALLATION OF CHAPTER OFFICERS
& BOARD OF GOVERNORS

“APPLYING AIR TO AIR ENERGY RECOVERY”

JUNE 8TH
SPOUSE’S NIGHT

** Speakers and topics subject to change. Refer to monthly newsletter announcements for available PDH credits for dinner speaking sessions.*

HELP WANTED

HVAC Manufacturers Representative:

Long Island based HVAC/Plumbing manufacturers' representative is opening an office in northern N.J. and seeks experienced 3-Phase ups/switchgear sales people to cover northern New Jersey. Candidates must possess 5 to 10 years experience in the sales/specification of 3-phase ups, switch gear, gensets, racks, PDU's CRAC's etc. Must possess a strong customer base of engineers, contractors VAR's and end-users.

If you are looking for the career opportunity of a lifetime with excellent salary, commission and benefit package look no further. Extensive factory training included.

Frank D. Morgigno
Applied Technologies of NY, Inc.

Drafter/Estimator/Designer

A well established New Jersey family-owned Design-Build Mechanical Contracting & Service company is seeking a highly qualified Drafter / Designer / Estimator to join their expanding commercial and institutional contracting business.

Job Purpose:

Candidate will work closely with owners in preparing mechanical drawings, estimating material/equipment/sub-contracting costs, and designing new construction projects.

Minimal Requirements:

10-15 years in commercial/industrial HVAC industry, non-smoker, college degree, experience with CADD, project design, estimating & organizational skills for multiple projects, ability to work independently meeting specific time deadlines.

Duties:

- Prepares rough sketches and final as-built drawings.
- Onsite observations to validate mechanical layout.
- Organize and prioritize multiple projects.
- Solicit vendors and accurately make comparisons for material cost take-offs.
- Design drawings for new design/build projects.
- Maintains reliable data base on current and future work.

Skills/Qualifications:

CADD, Microsoft office suite, scheduling, self-motivated, vendor relationships, deadline-oriented, U.S. citizen, excellent teamwork, focused concentration, emotionally resilient, pleasant attitude.

Salary/Benefits: Competitive salary, comprehensive medical/dental/401k plan

Ken Celiano, Psy.D.
Dir. Personnel & Organizational Development
AJ Celiano, Inc. 460 Ludlow Ave
Cranford, NJ 07016 847-338-2199 (mobile)
www.ajceliano.com - kceliano@ajceliano.com

CHAPTER HISTORY.... BY BOB DALY P.E.

Ruth Giacobbe was the first female to be elected New Jersey Chapter president in our history. It has been fifteen years since she was elected. I interviewed Ruth and was surprised with the road that took her there. The following are excerpts of my interview with Ruth, in Ruth's own words of turning points in her career and her accomplishments as a Chapter President. Ruth continues to be a very active member of the chapter as well as the Chapter Administrator.

Bob Daly P.E.
NJ Chapter Historian

Ruth Giacobbe

"My daughter Donna started in high school and I was tired of sewing (I did dressmaking and taught sewing in adult school for about 15 years.) In 1975, I went back to work and decided and also to go back to school. I wanted to get a business degree. In 1978, I took a position with a mechanical contractor who did design/build. I became very interested in HVAC and Middlesex County College was offering HVAC Technology Courses, with credits. I changed my courses and after a day's work went to school three nights a week at two different buildings in different towns, for two years. I finished my degree in Liberal Arts. No one was offering an engineering degree at night unless I went to Wayne or Newark N.J.. No thanks, not after working all day.

The HVAC instructor was a very interesting man. His name was Joe Pennesi, a portly Italian man who was very knowledgeable and expressed strong values. He got his P.E. License before he completed his college degree. He had served in the India/Burma theater during WWII and swore he would never be hot again. After the service, he went to work for Grumman Engineering designing air conditioning systems for spacecraft. The sun only shines on one side of the craft so they only needed Air Conditioning on one side. As I said he was very interesting. He worked for a variety of engineering companies in NYC and NJ and knew every building in NYC by it's HVAC system.

Joe was very much an ASHRAE member. He had been president of the NY chapter and was constantly pushing ASHRAE to his students. He held student meetings at lunchtime and provided lunch. Joe encouraged his class to join as students but told me to join as a member.

The program was excellent and the reason it worked was Joe's dedication as the instructor. That was where I first saw but can't say I actually met Lou Kelter, Past President of North Jersey Chapter and ASHRAE Life Member. He was a speaker at one of the meetings. After Joe Pennesi left Middlesex CC, the program collapsed.

I have served on various committees at both the Region 1 level and at society level. I don't think you see what makes ASHRAE special if you are "only" a chapter member or meeting attendee. At Region 1 level, I have traveled the northeast. The Kelter's invited me to join them at my first Chapter Regional Conference in Twin Tiers. I have now enjoyed CRC's in every chapter's area. I have attended society meetings around the country. I was able to combine business and pleasure with friends.

ASHRAE is a very diverse organization and sets the standard for our industry. I recall a story of one member who was very active on the Society level, however was not involved in engineering at all. She was in textiles and she tells the story of how she got involved. It had to do with window treatments and blocking heat gain through windows. ASHRAE Research funded a project she was working on.

Cont'd next page

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CHAPTER HISTORY.... CONT'D

Ruth Giacobbe—cont'd

Today, Students say they are interested in the environment but do not realize that HVAC sets our environment. It's not just about cleaning up rivers and saving trees. Where would we be today without refrigerators, heating systems, air conditioning and controls in all buildings, including schools. No school is being built without these systems. I can remember going into grocery stores in the wintertime and people commenting because the "air conditioning" was on. How things have changed, but people outside the industry still do not understand it.

I do have a sense of accomplishment during my past term as Chapter President. During my tenure, the chapter established a Scholarship Fund. It was started with only \$2,500 because that was the least Dreyfus would accept. It is now over \$35,000. While I was president, the List of Permanent Motions was prepared, known as MOPs. This became our MOP, after Society decided each chapter should have a plan. We had a head start on the MOPs because of our list of member. In particular, Spencer Morasch, Past Chapter President and current Board member, has been the backbone of the development of the MOPs ever since it was started. In 1995, I put together a Directory of Products and Services. I got companies to list themselves, collected the money, entered all the data and everything else that needed to be done. The first one was published in 1996 and continued annually through 2003. I continue to get calls from people looking for the latest copy but have to tell them we no longer have a directory. I think that I led the way for other women to attend ASHRAE meetings and assume leadership positions. There were many times when I had to stand up for myself after hearing insensitive remarks made at all levels of Society. I have mentored many Chapter Presidents that followed me. They felt comfortable asking and valued my opinion on all sorts of issues.

A major disappointment for me, is the current lack of interest and attendance at meetings, technical tours and seminars. Where is everybody? What are they doing? Do they all know it all and don't need anymore education? Where should ASHRAE be moving? I don't know. After attending Society meetings I know the leaders have the same concerns that I do about where people are. They are implementing all kinds of strategies and it doesn't seem to be kindling the interest. I wish I had the answer.

Looking forward, I now spend as much time as possible with a new grandson. He is a wonderful addition to my family. Just ask me and I will bring out the photos. In a way, many ASHRAE members are also part of my extended family. The key to my joining was the encouragement of a single ASHRAE member, the late Joe Pennesi. I believe that I have and will continue to work with ASHRAE members to encourage them to enjoy the level of accomplishment that I feel."

XXX

PLEASE VISIT OUR NEW WEBSITE
NJASHRAE.COM

Reminder

Go to www.njashrae.com to update your personal information. Keeping your information current helps us to find you. Please add e-mail, phone number, fax number, address correction, etc.

If you wish to contribute articles in this years 2005-2006 issues of the
Thermogram

E-mail articles to: MRichter@AKF-ENG.com or fax article to 212-354-5668

SOCIETY NEWS.....

Contact: Jodi Dunlop
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1791 Tullie Circle NE
Atlanta, GA 30329

ASHRAE's Most Used Standards Available on One CD

ATLANTA - ASHRAE's "greatest hits" - its 12 top selling standards and guidelines - are now available on one CD.

Design Essentials: ASHRAE's Most Referenced Standards and Guidelines contains a library of documents that can be easily searched and printed with copy and paste features for text and graphics. The standards and guidelines address design or system operations, and most are code-intended standards.

"Because ASHRAE standards/guidelines often refer to requirements in other standards, our documents need to be used together in order to understand the means for compliance with any one of them," Rick Hermans, chair of ASHRAE's Standards Committee, said. "The Design Essentials CD is intended to make that process simpler for the user."

Hermans noted that the standards and guidelines included in the CD serve as the basis for HVAC&R design and some of them are referenced in building codes.

Included are:

ANSI/ASHRAE Standard 15-2004, Safety Standard for Refrigeration Systems; ANSI/ASHRAE Standard 34-2004, Designation and Safety Classification of Refrigerants; ANSI/ASHRAE Standard 52.2-1999, Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size; ANSI/ASHRAE Standard 55-2004, Thermal Environmental Conditions for Human Occupancy; ANSI/ASHRAE Standard 62.1-2004, Ventilation for Acceptable Indoor Air Quality; ANSI/ASHRAE Standard 62.2-2004, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings; ANSI/ASHRAE/IESNA Standard 90.1-2004, Energy Standard for Buildings Except Low-Rise Residential Buildings (I-P edition); ANSI/ASHRAE Standard 90.2-2004, Energy-Efficient Design of Low-Rise Residential Buildings; ANSI/ASHRAE Standard 135-2004, BACnet®: A Data Communication Protocol for Building Automation and Control Networks; ASHRAE Guideline 0-2005, The Commissioning Process; ASHRAE Guideline 1-1996, The HVAC Commissioning Process; ASHRAE Guideline 13-2000, Specifying Direct Digital Control System.

The cost of the single-user version of Design Essentials: ASHRAE's Most Referenced Standards and Guidelines is \$499 (\$429, ASHRAE members). Annual renewal fee for access to updates after the first year is \$290 (\$220, ASHRAE members).

A network version also is available for organizations so multiple users can have simultaneous access.

To order, contact ASHRAE Customer Service at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 404-321-5478, by mail at 1791 Tullie Circle NE, Atlanta, GA 30329, or visit the ASHRAE.org Bookstore at www.ashrae.org/bookstore.

ASHRAE, founded in 1894, is an international organization of 55,000 persons. Its sole objective is to advance through research, standards writing, publishing and continuing education the arts and sciences of heating, ventilation, air conditioning and refrigeration to serve the evolving needs of the public.

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