



MEETING INFO

Date: January 18, 2011
Location: New York Grill
 Ontario, CA
Board Meeting: 5:00
Social Hour: 6:00-7:00
Chapter Business: 7:00
Dinner and Main Program: 7:15
Cost: \$35

We look forward to seeing you again next meeting. Please e-mail Adam at adam.stadnik@sce.com to reserve your spot for the upcoming meeting. Meeting Location and directions can be found on page 2. We hope to see you all there!

CONTENTS

On the cover: Meeting Location

Business Card Ads... throughout!

ASHRAE Press... throughout!

Partial Roster... pg.6

HAPPY NEW YEAR!

2011 is upon us and we are looking forward to beginning a great new year with Tri-County ASHRAE! Be sure to look for the details on our next meeting in our next issue of Super Heat due out in January! For now, let's celebrate all of the great times that we had in 2010.

MEETING LOCATION



UNITED WE STAND

NOTE:

Statements made in this publication are not the expressions of the Society or of the Tri-County chapter but may not be reproduced without special permission of the Tri-County chapter.

CREDITS

Tri-County Super Heat Editor
 Adam J. Stadnik, PE, LEED AP BD+C, CEM

Southern California Edison
 13796 San Luis Rey Court
 Rancho Cucamonga, CA 91739
 Phone: 909.261.7632
 E-Mail: adam.stadnik@sce.com

We hope that you will be able to make it to the first Tri-County ASHRAE meeting of the new year. New York Grill is located just outside of the Ontario Mills Mall just southwest of 4th Street and the 15 Freeway.

New York Grill
 950 Ontario Mills Drive
 Ontario, CA 91764



Directions from the South

1. From Interstate 15 (near the 15 and 10)
2. Exit on 4th St.
3. Turn right onto 4th St.
4. Take your first left into the Ontario Mills.
5. The New York Grill is on your left.

ASHRAEPRESS

Newest Version of Thermal Comfort Standard Provides New Provisions on Elevated Air Speeds

ATLANTA – New requirements regarding air speeds, analysis and documentation are included in the newly published ASHRAE thermal comfort standard, ANSI/ASHRAE Standard 55–2010, *Thermal Environmental Conditions for Human Occupancy*.

“The standard continues to focus on defining the range of indoor thermal environmental conditions acceptable to a majority of occupants, while also accommodating an ever increasing variety of design solutions intended to provide comfort and to respect today’s imperative for sustainable buildings,” Stephen Turner, of the Standard 55 Committee, said. The standard specifies the combinations of indoor thermal environmental factors and personal factors that will produce thermal environmental conditions acceptable to a majority of the occupants within the space.

Standard 55 incorporates recent research innovations such as the use of elevated air speeds to widen the acceptable range of thermal conditions. The standard previously allowed modest increases in operative temperature beyond the Predicted Mean Vote/Percentage of Persons Dissatisfied (PMV/PPD) limits as a function of air speed and turbulence intensity.

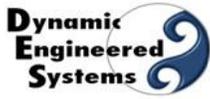
The 2010 standard also includes a new method for determining the cooling effect of air movement above 0.15 m/s (30 fpm). This allows ceiling fans, or other means to elevate airspeed, to provide comfort at higher summer temperatures than were previously permissible. New provisions based on field study research allow elevated air speed to broadly offset the need to cool the air in warm conditions, replacing requirements that originated primarily from climate chamber studies.

Another revision makes clearer the mandatory minimum requirements for analysis and documentation of a design to show that it meets the standard’s requirements. In addition, a compliance form for documentation of design is included in an informative appendix. This compliance template mirrors the United States Green Building Council’s LEED® template for the thermal comfort design credit in LEED New Construction–2009, simplifying the LEED credit template for the designer during a project.

The 2010 version of the standard also includes improved and expanded graphics that better guide users of the standard in simple applications. Improvements to the SI and IP versions of the traditional “comfort zone” chart include enlargement, clarification and notes to aid users of the standard.

Standard 55 combines Standard 55–2004 and the 10 approved and published addenda to the 2004 edition into one easy-to-use, consolidated standard.

The cost of Standard 55 is \$69 (\$59, ASHRAE members). To order, contact ASHRAE Customer Service at 1–800–527–4723 (United States and Canada) or 404–636–8400 (worldwide), fax 404–321–5478, or visit www.ashrae.org/bookstore.



Representing:

- Marley Cooling Tower
- Recold FC/Condensers
- PEP Filtration
- Filtrine Process Chiller
- Griswold Treatment
- Flo Fab Pumps

Dynamic Engineered Systems Inc
 1831 Commerce Street, # 107
 Corona, CA 92880
 951-278-0282 Fax 951-278-0285
www.des-la.com

Joe Sanders
 Sales Engineer
 951-310-3235
joe@des-la.com

ASHRAEPRESS

*Act now! Save
 50% if you apply
 by Jan. 3rd for the
 Feb. 2nd exam.*

Building Energy Assessment Professional Certification

ASHRAE has developed the Building Energy Assessment Professional (BEAP) certification program in collaboration with representatives from ASHRAE's Building Energy Quotient (bEQ) program, IESNA, NIBS, SMACNA, and TABB. The purpose of this program is to certify individuals' ability to audit and analyze residential, commercial, and industrial buildings including determining project scope, collecting data, analyzing building performance, interpreting results, evaluating alternatives, submitting recommendations for energy conservation measures, and assisting with the implementation of these recommendations.

The program will launch February 2, 2011 at 9:00 am (candidates must report to the testing room at 8:30) with a pencil & paper examination in conjunction with [ASHRAE's 2011 Winter Conference and AHR Expo in Las Vegas, NV](#). Approximately eight weeks following the pencil and paper administration, the exam will be available on computer at testing centers located throughout the United States and worldwide.

The **pencil and paper administration** of the BEAP exam will be offered at a discounted rate of \$147.50 for ASHRAE members and \$207.50 for non-members.

Drymaxx Air Solutions, LLC

1116 S. Wooster Street # 5
 Los Angeles, CA 90035
 (P) 310-888-8692
 (F) 323-443-3674
 (C) 562-394-3540
aaron@drymaxxair.com
www.drymaxxair.com

Aaron Deutsch
 President

AIR CONDITIONING SPECIALTIES COMPANY



ROBERT MORSE

(562) 694-8543 E-mail: rmorse@acspecialties.com
 (714) 738-7711 FAX (562) 697-6296
 850 East La Habra Blvd. La Habra, California 90631

PLEASE SUPPORT OUR BUSINESS CARD ADVERTISERS LOCATED HERE AND ELSEWHERE IN THIS PUBLICATION...

MAKE AN INVESTMENT IN OUR INDUSTRY'S FUTURE!

If you would like to place a business card ad in Super Heat, please contact Adam Stadnik via e-mail at adam.stadnik@gmail.com!

THANK YOU FOR YOUR SUPPORT!!!



ASHRAEPRESS

ASHRAE: Standard 189.1 Adopted as Part of Army Sustainability Policy

ATLANTA – ASHRAE leaders recently met with U.S. Army officials regarding a new sustainable design and development policy that incorporates requirements of the green building standard developed by the Society, USGBC and IES.

The U.S. Army has made it a matter of policy to promote sustainability and improve green building standards for its facilities. On Oct. 27, 2010, Katherine Hammack, assistant secretary of the Army for installations, energy and the environment (IE&E), issued a policy memorandum that incorporates ANSI/ASHRAE/USGBC/IES Standard 189.1–2009, *Standard for the Design of High-Performance, Green Buildings Except Low-Rise Residential Buildings*.

The Army’s policy sets a new approach to the design and construction of efficient military construction projects and major renovations by using Standard 189.1 as the baseline. The policy requires that facility construction projects follow specified requirements and guidance in the standard. These requirements address siting, energy efficiency, cool roofs, metering, storm water management and indoor and outdoor water consumption.

“After nearly four years of peer review and collaboration with various members of industry, we are extremely pleased that the Army has taken up the initiative to incorporate the standard into its day-to-day practices,” Lynn G. Bellenger, ASHRAE president, said. “The Army is clearly committed to taking the lead within the military to incorporate innovative practices proven by the private sector. Their willingness to adopt this standard speaks volumes about its value and efficacy.”

The net effect of the Army’s sustainable design initiative is likely to be immense. The policy

continued at top...

continued from below...

applies to all construction and renovation of new buildings and structures in the U.S. territories, permanent overseas Active Army installations, Army Reserve Centers, Army National Guard facilities and Armed Forces Reserve Centers. The footprint of the existing Army buildings and structures worldwide covers more than 954 million square feet.

“We are committed to sustainable design and development but our commitment extends far beyond construction and renovation savings,” Hammack said. “We are on a path to integrating energy and sustainability considerations into our fundamental way of thinking as we progress toward net-zero energy, water and waste in buildings and installations.”

ASHRAE leadership and Army officials discussed how the Society could continue development and stringency of Standard 189.1 to provide guidance toward net-zero buildings. Additionally discussed were how ASHRAE can help fulfill the Army’s training needs regarding the standard and how 189.1 fits in to Army’s long-term plans to make their facilities more sustainable

Standard 189.1, published earlier this year by ASHRAE in conjunction with the Illuminating Engineering Society of North America (IES) and the U.S. Green Building Council (USGBC), provides a long-needed green building foundation for those who strive to design, build and operate green buildings.

Standard 189.1 also serves as jurisdictional compliance option to the International Green Construction Code authored by the International Code Council, ASTM International and the American Institute of Architects.



MOREPRESS

ASHRAE Applauds Signing of Federal Buildings Personnel Training Law of 2010

ATLANTA – Federal legislation signed into law this week will provide training for federal building personnel in the areas of building operations and maintenance, energy management, safety and design functions.

On Tuesday, Dec. 14, President Obama signed the Federal Buildings Personnel Training Act. The Act was introduced in April by Reps. Russ Carnahan (D-Mo.) and Judy Biggert (R-Ill.) and Sen. Tom Carper (D-De.) and Susan Collins (R-Me.). It was supported by more than 33 leading organizations involved in the design, construction, operation and maintenance of buildings, including ASHRAE.

The legislation will help provide federal workers with the necessary training to construct and maintain environmentally sound buildings. Federal workers will be able to be trained in a series of core competencies relating to building operations, maintenance, energy management, and safety and future performance. Workers can take courses and be able to obtain licenses and certification for their efforts.

“This law is a significant advancement for the design, construction, operation and maintenance of our nation’s federal buildings,” Lynn G. Bellenger, ASHRAE president, said. “ASHRAE applauds the federal government for demonstrating what can be accomplished in building and maintaining energy efficient buildings with excellent indoor environmental quality.”




DAWSON CO.
YOUR FLUID TECHNOLOGY RESOURCE
IN BUSINESS SINCE 1948
WWW.DAWSONCO.COM

DAVID HERNANDEZ, P.E.
VICE PRESIDENT
ENGINEERING SERVICES

TEL: 626-797-9710
CELL: 626-429-9306
FAX: 626-798-4659
EMAIL: DHERNANDEZ@DAWSONCO.COM

1681 W SECOND ST.
POMONA, CA 91766



YORK
It's time to get comfortable.

USAirconditioning
DISTRIBUTORS
The world's largest privately owned HVAC equipment distributor

Paul Koss
Commercial Sales Engineer

Cell: 805-748-3744 • Fax 951-786-3524
p.koss@us-ac.com • www.us-ac.com

2100 Chicago Avenue, Riverside, CA 92507



EMERSON
Network Power

Ray Faridnia
Account Executive
Liebert Products & Services
Southern California Sales Office

Emerson Network Power
35 Parker
Irvine, CA 92618

T 949 457 3874
F 949 457 3885
M 949 500 7744
Ray.Faridnia@Emerson.com



ARROWHEAD MECHANICAL, INC.
ARROWHEAD SHEET METAL
HEATING, AIR CONDITIONING & VENTILATING CONTRACTORS
GENERAL SHEET METAL
Contractor's Lic. No. 334422
ROBERT GASTEL

(909) 889-2813
(909) 884-0174
FAX (909) 884-4849

209 N. WATERMAN AVENUE
P.O. BOX 8063
SAN BERNARDINO, CA 92412

Officers

President-Tim Hald... Retrofit Services Company
909.941.3494

Pres-Elect-Jaime Lopez... RF MacDonald Company
714.257.0900

Treasurer-Yung Lin... US Airconditioning
800.937.7222

Secretary-Gilbert Kitching... Energy Inspectors
760.947.5961

Board of Governors

Past President-Robert Morse... Air Conditioning Specialties Co.
714.738.7711

Adam Stadnik... Southern California Edison
909.261.7632

Richard Randall... DMG Corporation
562.692.1277

Committee Chairs

Historian-Jim Toda @ Conditioning Components
562.461.1372

Resource Promotion-Joe Sanders @ DES
951.310.3235

Student Activities-Mike Lo @ SCE Customer Energy Efficiency and Solar Division
626.633.3035

Newsletter Editor-Adam Stadnik @ SCE-SBRO
909.261.7632

Home Page Webmaster-Kyle Landis @ SCE-CTAC
626.261.0879

Technology Transfer-Jim Parker @ Carrier
714.985.5308

Membership Promotion-Erick Delgado @ Air Conditioning Specialties Co.
714.738.7711



Everyone in Tri-County is responsible for building a better tomorrow!

Tri-County
SUPERHEAT

13796 San Luis Rey Court
Rancho Cucamonga, California 91739

CELEBRATING,
20 PLUS
YEARS
1989-2010
TRI-COUNTYASHRAE!

PAST PRESIDENTS

1988-1989	SUKHDEV	MATHAUDHU
1989-1990	SUKHDEV	MATHAUDHU
1990-1991	JEFF	LEONARD
1991-1992	DEL	THOMAS
1992-1993	TONY	PIERCE
1993-1994	GREG	MORIN
1994-1995	TONY	HENKEL
1995-1996	JOHN	HAVILAND
1996-1997	JOEL	CARTER
1997-1998	CHANDRA	CHINDE
1998-1999	JIM	TODA
1999-2000	RICHARD	MCLEOD
2000-2001	KERRY	PARKER
2001-2002	DEBRA	CHAVIRA-SMITH
2002-2003	LUCAS	HYMAN
2003-2004	JOE	SANDERS
2004-2005	BOB	GASTEL
2005-2006	ART	ANDRES
2006-2007	JIM	PARKER
2007-2008	KYLE	LANDIS
2008-2009	RICK	CREED
2009-2010	ROBERT	MORSE

— journal of the tri-county chapter of the —

American Society of Heating, Refrigerating, and Air Conditioning Engineers

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.

