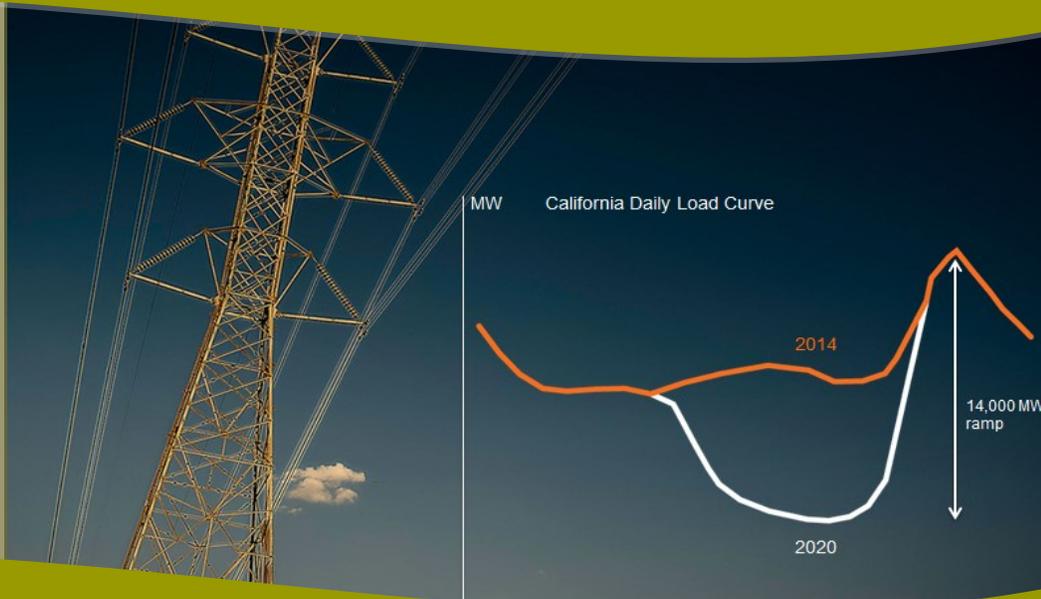


# Tri-County SUPER HEAT ASHRAE

American Society of Heating, Refrigeration, and Air-Conditioning Engineers

## IN THIS ISSUE...

ASHRAE's Core Values	1
Call for Business Cards	2
Meeting Preview	3
'Energy Storage'	
Last month's Meeting	4
Priceless Pictures	5
Job Opportunities	6
Chapter Support	7
Partial Roster	8



## MEETING INFORMATION

**Date:** November 18, 2014  
**Location:** Coco Palm Restaurant, Pomona

**Social Hour:** 6:00-7:00  
**Dinner and Program:** 7:00  
**Cost:** \$40



We look forward to seeing you again at our next meeting. Coco Palm Restaurant is located on Restaurant Drive off of Fairplex Drive, just north of the 10 Freeway. Please e-mail Adam at adam.stadnik@gmail.com to reserve your spot for the upcoming meeting.

Coco Palm Restaurant  
 1600 Fairplex Drive  
 Pomona, CA 91768

## ASHRAE'S CORE VALUES

As we get set to kick off our 2014-2015 Tri-County ASHRAE season, let's take a moment to review ASHRAE's core values...

### **Excellence**

ASHRAE education, technical information and all other activities and products will always reflect the best practices that lead our industry. We strive for continuous improvement and innovation in all our practices and products.

### **Commitment**

ASHRAE and its members are passionate about serving the built environment, creating value, and recognizing the accomplishments of others.

### **Integrity**

ASHRAE is committed to the highest ethical standards. We work transparently, observing essential requirements for due process and peer reviews to assure our members and stakeholders that we do the right things the right way.

### **Collaboration**

ASHRAE seeks and embraces collaborative efforts with organizations, agencies, and individuals sharing our commitment to sustainable built environments.

### **Volunteerism**

Members lead ASHRAE at every level, serving ASHRAE and helping ASHRAE serve society.

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.

# LOCAL BUSINESSES

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 for the 2014-2015 Tri-County ASHRAE season, please contact Felix Monterroso via e-mail at... [fmonterroso@willdan.com](mailto:fmonterroso@willdan.com)

**THANK YOU FOR YOUR SUPPORT!!!**

*Looking for a unique marketing opportunity?*

*We've got a deal for you!*

*For only \$50 (that's right, only \$50!) you and many more can see your business card appear on THIS PAGE of THIS PUBLICATION for the 2014-2015 Tri-County ASHRAE season!*

*Now that you're interested, send a \*.jpg version of your business card to Felix Monterroso at [fmonterroso@willdan.com](mailto:fmonterroso@willdan.com) while sending a check for \$50 made out to Tri-County ASHRAE.*

*Felix will let you know where to send the check when you send your business card file to him at his e-mail address.*

**FELIX MONTERROSO**

TCSH Editor

<b>J. D. Sales Co.</b>	
ENGINEERED PRODUCTS	
<b>MAHENDRA MISTRY</b>	
3547 VOYAGER STREET, #103 TORRANCE, CA 90503 (310) 214-5155 FAX: (310) 214-5151 E-MAIL: <a href="mailto:Mahendra@jdsalesco.com">Mahendra@jdsalesco.com</a> Web Site: <a href="http://www.JDSalesco.com">www.JDSalesco.com</a>	
<ul style="list-style-type: none"> <li>• NUTECH Valves</li> <li>• NUTECH Piping Packages</li> <li>• ROVANCO Pre-insulated Pipe</li> <li>• VORTISAND Sand Filters</li> <li>• RHINOFLEX Pre-insulated Pipe</li> <li>• FLOWCON "PI" Valves</li> <li>• KEFLEX Flex Connectors</li> <li>• DUO AIRE Hoods</li> <li>• AMERICAN Marsh Pumps</li> <li>• DURAFLEX Hoses</li> <li>• ANMARK Thermostatic Valves</li> <li>• HYDRO-FLOW Flowmeters</li> <li>• UNISOURCE Hoses</li> <li>• DELTA Cooling Towers</li> <li>• VOGT ICE Tes Systems</li> <li>• SUPER RADIATOR CHW HHW DX Coils</li> </ul>	

# NEXT MEETING

## **"Controlling Utility Costs with Intelligent Energy Storage"**

*The Tri-County Chapter cordially invites you to attend the "Storage-Based Optimization" presentation this coming Tuesday November 18, 2014.*

*Our guest speakers, Scott Schumacher and Conner Mulrooney, from smart storage leader Stem will present how on-site energy storage provides a unique opportunity to optimize the load profile at your facility without changing your operations or building systems.*

*Today Stem helps Adobe, Intercontinental Hotels, Kaiser Permanente, and others use advanced energy storage and software to reduce energy costs and improve planning, tracking, and decision-making. In the first full-scale program of its kind, Stem was recently selected by SCE to deploy 85 MW of behind-the-meter energy storage systems at customer locations across the LA Basin in order to meet electric reliability needs. Stem is backed by industry leaders like GE and Constellation, and has been the recipient of numerous technology awards such as a DOE Sun Shot grant, Global Cleantech 100, and others.*

*So don't miss out on this presentation, which will help you answer critical questions about if and when an intelligent energy storage system is right for your buildings."*



## **Cooling Water Conservation:**

***How can we optimize water conservation?***

***With the intent of educating ASHRAE members on how to implement cooling water management strategies to optimize water conservation, the Tri-County Chapter welcomed guest speaker Gavin McWhorter from Economic Alternatives, Inc. (eai) at our October meeting.***

***Gavin began his presentation by explaining the factors that typically limit water conservation (like the saturation of minerals) and how optimizing the cycles of concentration play a role in water conservation. He emphasized on how the main purpose of a cooling tower is to reject heat and thus maintaining water quality with minimal blowdown plays a vital role in its ability to do so effectively.***

***This led to a discussion of maximizing the cycles of concentration while taking into account typical limiting factors like scale, oxidation, and biological growth. Gavin then discussed water treatments to combat such limiting factors such as softening and Non-Chemical Devices (NCD).***

***His presentation was concluded with mention of the typical Southern California water quality and how maximizing the cycles of concentration will reduce water consumption in the area.***



# PRICELESS PICS



**Last month, Tri-County welcomed lecturer Gavin McWhorter who presented on cooling treatment strategies to optimize water conservation. It was a great presentation with great importance as Californians face the drought. It was another great night of learning and networking!**

*Photos courtesy of Jim Toda.*

# JOB OPPORTUNITIES



kW Engineering, Inc. is seeking talented ENGINEERS in Long Beach!

*Are you passionate about saving energy in buildings? Are you driven by the potential lower energy use through smart application of technology and controls? Then we should talk.*

*kW Engineering is just such a community. Our firm is built upon a foundation of integrity - the reason behind our solid reputation among clients and peers in the industry.*

*We are looking for talented Engineers for our office in Long Beach who will have these qualities:*

- *Technical Skills - someone with solid understanding of engineering principles and advanced analytical skills expected of bachelor level engineering degree or above.*
- *Understanding of major building HVAC equipment/lighting/controls technologies with a specialty in at least one area.*
- *Customer service - someone who can interact professionally with clients and on-site staff*
- *Self-Direction - someone who can manage his/her own time and aid others to ensure timeliness and time allocation budgets are met. Someone who can perform QC on standardized analysis.*
- *Shares our core values: Integrity, Judgment, Community, Communication, Creativity, Impact, Curiosity, Passion*

*Please forward your resume, cover letter and salary requirements for immediate consideration.  
adranly@kw-engineering.com  
Rula Adranly | HR Consultant | kW Engineering | 510-834-6420*



Goss Engineering is looking for a license Mechanical Engineer with HVAC design experience.

*GEI is seeking a licensed Mechanical Engineer who will assist on MEP study and design projects, from conceptual design through construction administration. The ideal Mechanical Engineer should have experience performing engineering calculations for airside and waterside projects.*

*The ideal candidate will:*

- *Be a licensed professional engineer (PE) in mechanical engineering*
- *Have, at a minimum, a Bachelor's Degree in Mechanical Engineering*
- *Have, at a minimum, 5 years of project experience in mechanical design*
- *Be proficient with HVAC calculation software, including TRACE 700 and EnergyPro*
- *Be proficient with Microsoft Office Suite*
- *Be proficient with AutoCAD*
- *Have experience preparing bid documents*
- *Have a working knowledge of California codes, including CMC, CBC, and Title 24*
- *Be familiar with HVAC industry standards, including ASHRAE and SMACNA*
- *Be detailed-oriented, with an eye for superior Quality Control / Quality Assurance*
- *Have superb communication skills*

**Contact:**  
**Human Resources**  
**jobs@gossengineering.com**



## **Join ASHRAE San Diego for our 4<sup>th</sup> Annual Day at the Races**

**November 15<sup>th</sup>**

**Gates Open 10:30 a.m.**

**First Post 12:00 p.m.**

**Tickets: \$25**

**Includes: Entry and Seat with Group at Clubhouse Terrace Restaurant  
(Limited to the 40 Attendees)**

**RSVP to Heather Schopplein: [heathers@haldemaninc.com](mailto:heathers@haldemaninc.com) or 619-988-5285**

**The Track will Feature: 9 Races, Reggae Fest with  
Concert by Iration and College Day Tailgate Party**

# 2014-2015 PARTIAL ROSTER

## Officers

<b>President</b>	<b>Ryan Rodriguez</b> Willdan Energy Solutions — 626-260-6623
<b>President-Elect</b>	<b>Shaw Gentry</b> Goss Engineering, Inc. — 951-233-1827
<b>Treasurer</b>	<b>Ian Villazana</b> Willdan Energy Solutions — 714-278-8325
<b>Secretary</b>	<b>Chris Robles</b> DMG — 562-692-1277

## Board of Governors

<b>John Garcia</b> RF MacDonald Company — 714-412-1534
<b>Jaime Lopez</b> Southern California Gas — 951-533-1121
<b>Adam Stadnik</b> Southern California Edison — 909-261-7632

## Committee Chairs

<b>Historian</b>	<b>Jim Toda</b> Custom Cooling Company — 909.599.9222
<b>Resource Promotion</b>	<b>Joe Sanders</b> DMG — 951-310-3235
<b>Student Activities</b>	<b>Mike Lo</b> Southern California Edison — 626.633.3035
<b>Newsletter Editors</b>	<b>Adam Stadnik</b> SCE Business Solutions — 909-261-7632
	<b>Felix Monterroso</b> Willdan Energy Solutions — 626.629.9658
<b>Membership Promotion</b>	<b>Erick Delgado</b> Air Conditioning Specialties Co. —
<b>Home Page Webmaster / Technology Transfer</b>	<b>Kakeru Fujikawa</b> Goss Engineering, Inc. — 714.310.8126



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

# Tri-County SUPER HEAT

1864 Blenheim Street  
Riverside, California 92507

CELEBRATING

PLUS

**25** YEARS

1989-2014

TRI-COUNTY ASHRAE!

## P A S T P R E S I D E N T S

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	LUCASHYMAN
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
2010-2011	TIM HALD
2011-2012	JAIMELopez
2012-2013	ERICK DELGADO
2013-2014	NICOLAS ROSNER

— 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.