

Tri-County SUPER HEAT ASHRAE

American Society of Heating, Refrigerating and Air-Conditioning Engineers

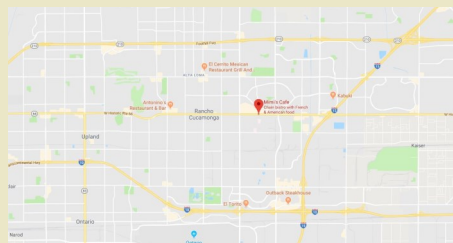
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MEETING INFORMATION

Date: October 15, 2019
Location: Mimi's Cafe
 Rancho Cucamonga, CA
Time: 6:00-8:30 PM
Member Cost: \$45
Non-Member Cost: \$50



We look forward to seeing you again at our next meeting. Our next meeting will be held at Mimi's Cafe located at 10909 E. Foothill Blvd., Rancho Cucamonga, just off of the historic Route 66. Please e-mail Felix Monterroso at

ashraetricounty@gmail.com to reserve your spot for the upcoming meeting.

Mimi's Cafe: 10909 E Foothill Blvd.,
 Rancho Cucamonga, CA 91730

ASHRAE'S CORE VALUES

As we proceed through our 2019-2020 Tri-County ASHRAE season, let's continue to keep ASHRAE's core values in mind...

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 2019-2020 Tri
-County ASHRAE season,
please contact

Felix Monterroso via e-mail
at...

ashraetricounty@gmail.com

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 2019-2020 Tri-County ASHRAE season!

*Now that you're interested, send a *.jpg version of
your business card to ashraetricounty@gmail.com
while sending a check (or cc payment) for \$50
made out to Tri-County ASHRAE.*

*We will let you know where to send the check or
how to pay via cc when you send your business
card file to us at the above e-mail address.*

Felix Monterroso

TCSH Editor

BUSINESSES CARDS



JIM TODA
Sales Engineer

425 W. BONITA AVENUE #106 • SAN DIMAS, CA 91773
Phone (909) 599-9222 FAX (909) 599-4418

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EMAIL: EDELBADO@DAWSONCO.COM

1681 W. SECOND ST.
POMONA, CA 91766

Our ASHRAE Tri-County leaders for the 2019-2020 season!

OFFICERS

President: Felix Monterroso / Willdan Energy Solutions

President Elect: Elyse Johnson / Infrastructure Factor Consulting Inc.

Secretary: Alvah Bickham / Goss Engineering Inc.

Treasurer: Sarah Takhtawala / Goss Engineering Inc.

BOARD OF GOVERNORS

Board Member: Kakeru Fujikawa / Goss Engineering Inc.

Board Member: Erick Delgado / Dawson Co.

Board Member: Ian Villazana / ACCO Engineered Systems

About us!



PAST MEETING

PRESENTATION TOPIC

Chilled-Beam Systems

Chilled-beam systems save on cooling and transport energy by decoupling most or all of the space sensible loads from the air-distribution system and removing them with water, a much more efficient heat transfer medium.

Attendees reviewed HVAC fundamentals as they relate to chilled-beam system design. Attendees understood the system benefit, were able to identify suitable applications, and learned about the design of chilled-beam systems to optimize the energy and operational benefits.

ABOUT THE PRESENTER

Ken Loudermilk, PE, is a senior chief engineer at Titus Products with over three decades of experience in engineering, sales, and marketing management and an extensive knowledge of building systems. His specialties include underfloor air distribution and chilled beam, both technologies that Loudermilk helped advance from their beginnings. In addition to roles in research and design and as a product manager, Loudermilk has worked closely with design professionals in the planning of chilled-beam systems for office buildings, educational facilities, and laboratory applications. He is a member of several ASHRAE committees, the author of numerous ASHRAE Journal articles, and has lectured all over the world.

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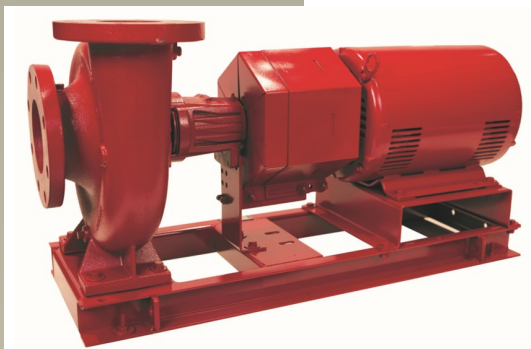
UPCOMING MEETING

PRESENTATION TOPIC

“Let’s Talk about Pumps!”

For this meeting, we will review the following concepts pertaining to HVAC Centrifugal Pumps:

- Pump Types
- What’s a Pumps Do?
- Pump Curve Parameters
- System Curve
- Affinity Laws
- Pump “Troubleshooting”
- Too Much Flow
- Too Little Flow
- Parallel Pumping
- Control Curve Introduction
- Pump Selection Guidelines



[Register Here!!](#)

ABOUT THE PRESENTER

Eric Decker graduated from the University of Illinois at Chicago with a B.S. in Mechanical Engineering. After graduating, he worked for Bell & Gossett in Morton Grove, IL in the Commercial Pumps Marketing Department.

In Fall of 2011, Eric joined Dawson Company's Business Development Group calling on mechanical and plumbing consulting engineers in the Orange County area. In Fall of 2017, he became manager of the department.

Eric is a Registered Professional Mechanical Engineer (P.E.) as well as Certified in Plumbing Design (CPD). He is also past President of the Orange County ASHRAE Chapter.



LOCAL EVENTS



Office of Statewide Health
Planning and Development

Location

Online

[Registration Link!](#)

Title 24 — Part 6 (4 Sessions Available)

**Building Energy Efficiency Standards:
Health Care**

Date(s) and Time(s):

Wed - November 6, 9:00 AM to 11:00 AM
OR 2:00 PM to 4:00 PM

Thurs - November 7, 9:00 AM to 11:00 AM
OR 2:00 PM to 4:00 PM

DESCRIPTION

Gina Rodda of Gabel & Associates, LLC, along with her guest speaker Ted Tiffany of Guttman & Blaevoet Consulting Engineers, want you to join the conversation regarding how healthcare facilities (occupancy 1-2) are now subject to the requirements of Title 24, Part 6 (the Energy Code). Join us as we review how healthcare facilities will need to be designed, documented and verified to show compliance with the 2019 Energy Code, when occupancy 1-2 will no longer be exempt. We will discuss: The format, code triggers and building features associated with the Energy Code; Understanding the exceptions included in the Energy Code specific to healthcare buildings; How to be successful in modeling healthcare facilities using compliance software; and Documenting compliance for OSHPD submittal (Certificate of Compliance), during construction (Certificate of Installation) and for verification (Certificate of Acceptance) applicable to healthcare buildings.

For more information regarding this event, please contact Ryan Nelson at:

Ryan.Nelson@oshpd.ca.gov

[Register Here!](#)

LOCAL EVENTS

[RSVP Here!](#)

What?

ASPE & ASHRAE O.C. Invites you attend Ken Chawkins from Southern California Gas Company with Jon Switalski from Californian's for Balanced Energy presentation on balanced energy solutions. This meeting is our yearly joint meeting with ASHRAE and will be held at their location, the Phoenix Club in Anaheim.

Where?

Phoenix Club
1340 S. Sanderson Ave
Anaheim, Ca 92806

The logo for ASPE (American Society of Plumbing Engineers), featuring the letters 'ASPE' in a large, stylized font with 'American Society of Plumbing Engineers' written below it.

**OCTOBER 2019 JOINT ASHRAE
MEETING:
BALANCED ENERGY
MEETING AT PHOENIX CLUB**

When?

Tuesday, October 22, 2019 @ 5:30 PM

Meeting begins at 5:30PM

Who?

Technical Presentation " The Devil's in the Details - a CEU presentation on what to look out for when installing boiler and water heaters"

Presented by
Bob Woods
Raypak

BIO: Bob graduated from Nasson College, Idaho State University and did his doctorate at the University of Rhode Island. He started in the industry in 1986, has been an ASHRAE member for 24 years and has served as President for two ASHRAE Chapters, So Cal and Orange Empire. Bob is currently serving as the Chapter Treasurer for the Orange County ASPE Chapter. He has been specializing in boiler application, steam and combustion technology since 1995. Bob currently works for Raypak as a Consultant as well as a District Manager.

2019-2020 PARTIAL ROSTER



Officers

President	Felix Monterroso Willdan Energy Solutions — 626-629-9658
President-Elect	Elyse Johnson Infrastructure Factor Consulting Inc. — 951-892-6153
Secretary	Alvah Bickham Goss Engineering, Inc. — 442-242-8522
Treasurer	Sarah Takhtawala Goss Engineering, Inc. — 951-363-4786

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Erick Delgado Dawson Co. — 626-755-3798
Ian Villazana ACCO Engineered Systems — 714-287-8325

Committee Chairs

Historian	Jim Toda Custom Cooling Company — 909-599-9222
Student Activities	Jim Toda Custom Cooling Company — 909-599-9222
Research Promotion	Joe Sanders Dynamic Engineered Systems, Inc — 951-278-0282
Newsletter Editor	Felix Monterroso Willdan Energy Solutions — 626-629-9658
Membership Promotion	Erick Delgado Dawson Company — 626-755-3798
Young Engineers in ASHRAE (YEA)	Felix Monterroso Willdan Energy Solutions — 626-629-9658
Chapter Technology Transfer	Felix Monterroso Willdan Energy Solutions — 626-629-9658



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

Tri-County SUPER HEAT

CELEBRATING YEARS

30 1989-2019

TRI-COUNTY ASHRAE!

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

1988-1989	SUKHDEV MATHAUDHU	2014-2015	RYAN RODRIGUEZ
1989-1990	SUKHDEV MATHAUDHU	2015-2016	SHAW GENTRY
1990-1991	JEFF LEONARD	2016-2017	CHRIS ROBLES
1991-1992	DEL THOMAS	2017-2018	IAN VILLAZANA
1992-1993	TONY PIERCE	2018-2019	KAKERU FUJIKAWA
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		
2010-2011	TIM HALD		
2011-2012	JAIM LOPEZ		
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 more than 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.