

ASPELA TIMES

The News of the Los Angeles Chapter of The American Society of Plumbing Engineers

www.aspela.com

September 2023

Volume 23 Issue IV

PRESIDENT'S REPORT

Thura Zin CPD, GPD

President



Our product Show and Technical Seminars event exceeded expectations. Our gratitude extended to all engineers, manufacturers and their representatives and volunteers for their contributions. Special thanks to the Chair, VP Legislation, Ms. Vivian for her hard work. The event has a total of forty-six booths and attendees enjoyed the show. Also, I would like to thank our ASPE Region 4 Director Ms. Gwynne Morrison who came to Los Angeles and attended our show.

97 design engineers registered and attended three technical seminars.

I would like to appreciate the presenters, Mr. Alan Larson – Technical Services Manager and Mr. Clit Williamson – Regional Sale Manager from Reliable Automatic Sprinkler Company for the “Tech Top Five” presentation, Mr. Lee Carnahan – Western District Manager from Preferred Utilities MFG Corporation for “Fuel Oil Handling System Design” presentation, and Me. Matt Blanchart - Sales Engineering at Yardley Pump & Vacuum, Inc. for “Lab and Specialty Gas Design 101” presentation. Attendees enjoyed their seminars and the schedule included breaks, lunch, raffles, and happy hours in the evening.

LA Chapter’s next monthly meeting will be held at the Burbank Courtyard. All members required to register via our LA Chapter website, same as before. We need to RSVP online for headcounts for the venue. Still, we are not accepting online payment.

Another upcoming event is our chapter's annual family picnic. Kook is arranging to get the October 8 date at the Elysian Park’s Old Lodge Picnic Area near Dodger’s Stadium. The city mentions that the date we requested is

September Meeting

Date: September 6, 2023

Time: Check-in will start at 5:30pm. Presentation to begin at 7:00 pm.

Place: Courtyard Marriott
2100 Empire Avenue
Burbank CA 91504

Program: Drinking Fountains and Bottle Fillers in a Post Covid World

Speaker: Mr. Kenyatta Ribeiro
National Specification Manager
OASIS International

Future events include:

- ASPE Picnic: 10-8-23
- Holiday Party! TBD
- Fishing Trip! TBD

See inside for Details...



please continue reading on page 21

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AMERICAN SOCIETY OF PLUMBING ENGINEERS LOS ANGELES CHAPTER

September 6, 2023, Meeting

“Drinking Fountains and Bottle Fillers in a Post Covid World”

By Mr. Kenyatta Ribeiro
National Specification Manager
OASIS International

WHAT YOU WILL LEARN:

The presentation will cover the following topics, with time for questions:

- Impact of Plastic Water Bottles
- Plumbing Code for Drinking Fountains
- Bottle Filler Options
- Filtration
- ADA Compliance
- UVC LED Water Treatment

MEETING LOCATION:

In Person:

*COURTYARD BY MARRIOTT BURBANK
2100 W EMPIRE AVE, BURBANK, CALIFORNIA 91504*

MEETING SCHEDULE:

5:30 pm – Check in.

6:30 pm – 7:30 pm – Presentation

COST: Pay at door only

Meeting Fee:

RSVP - \$55 and Retired BOD: \$30

Without RSVP - \$60

RSVP Online:

[RSVP](#)

By: September 4, 2023

THE SPEAKER:



Kenyatta Ribeiro is the National Specification Manager for Oasis International based out of Chicago, IL. Oasis International is a leading manufacturer of drinking fountains, water coolers, and bottle fillers headquartered out of Columbus, OH. He joined Oasis International in March 2022. He has over 8 years of experience calling on engineers, architects, contractors, and facilities working for various companies.

If you have additional questions or needed information on his presentation, you can reach him at: kribeiro@oasiscoolers.com

For more information, visit our website @www.aspela.com.

STATE-FUNDED CADD/BIM TRAINING (3) SCHEDULE (ACH&T)

Online Live Instructor Interactive

CLASS	DAYS	START	END
Revit Architecture	M W (5:30 to 9:30 pm.)	9/13/23	12/11/23
MEETING DATES: *September-13, 18, 20, 25, 27 *October-2, 4, 9, 11, 16, 18, 23, 25, 30 *November-1, 6, 8, 13, 15, 20, 27, 29 *December-4, 6, 11			
Revit MEP	M W (5:30 to 9:30 pm.)	9/13/23	12/11/23
MEETING DATES: *September-13, 18, 20, 25, 27 *October-2, 4, 9, 11, 16, 18, 23, 25, 30 *November-1, 6, 8, 13, 15, 20, 27, 29 *December-4, 6, 11			
Revit Structure	T TH (5:30 to 9:30 pm.)	9/14/23	12/14/23
MEETING DATES: *September-14, 19, 21, 26, 28 *October-3, 5, 10, 12, 17, 19, 24, 26 *November-2, 7, 9, 14, 16, 21, 28, 30 *December-5, 7, 12, 14			
Civil 3D	T TH (5:30 to 9:30 pm.)	9/14/23	12/21/23
MEETING DATES: *September-14, 19, 21, 26, 28 *October-3, 5, 10, 12, 17, 19, 24, 26 *November-2, 7, 9, 21, 28, 30 *December-5, 7, 12, 14, 19, 21			
Revit Arch. Friday (5:30 to 8:30 pm.) Saturday (8 am. to 1 pm.)		9/15/23	12/15/23
MEETING DATES: *September-15, 16, 22, 23, 29, 30 *October-6, 7, 13, 14, 20, 21, 27, 28 *November-3, 4, 10, 11, 17, 18 *December-1, 2, 8, 9, 15 (5:30 to 9:30 pm.)			
AutoCAD Friday (5:30 to 8:30 pm.) Saturday (8 am. to 1 pm.)		9/15/23	12/15/23
MEETING DATES: *September-15, 16, 22, 23, 29, 30 *October-6, 7, 13, 14, 20, 21, 27, 28 *November-3, 4, 10, 11, 17, 18 *December-1, 2, 8, 9, 15 (5:30 to 9:30 pm.)			

For Enrollment, please contact BARRY barry@ach.edu OR barry@westech.edu OR call 949-393-8866, www.ach.edu click on State-Funded Training Program.

Leak Detection & Water Submetering Solutions



LEED Platinum-Certified Apartment Building Uses Submetering to Dramatically Reduce Water Consumption

PROJECT BACKGROUND

A 32-story, new construction, 500-unit apartment building known as 360 State Street in New Haven, Connecticut, wanted to install an innovative submetering system to track the residents' water & hot-water heating data while providing tenants with an easy-to-use web portal to access and manage their utility data.



H2O Degree delivered a submetering system consisting of a 1,000 dual point-of-entry water meters (hot & cold) and 591 thermostats. The battery-powered wireless water meters communicate with the thermostats. The thermostats act as transceivers, a unique feature of H2O Degree's wireless network, which results in substantial savings compared to using traditional wireless repeater networks. When considering the minimal wiring it took to set up the radios and ZigBee mesh network the system uses, the system was the most cost effective option for the building.



PLUMBING CONFIGURATION

The dual point-of-entry submetering at 360 State Street means that the plumbing is configured so that one riser branches into the apartment for cold water. A second



riser delivers domestic hot water created centrally by recovering heat from a CHP system. Water enters the apartment in the utility closet and there are two water meters in each apartment, one for cold and one for hot water.

WATER & ENERGY CONSERVATION SAVINGS

Typical 1-2 bedroom apartments at 360 State Street average 45 to 55 gallons of water use per day. This is almost half the national average of 70-90 gallons per day. This savings is the result of billing tenants for water and proactive water leak detection. Another energy-savings benefit came from billing tenants for electricity and providing thermostat controls resulting in heating & cooling costs being 10 to 20% below apartments without submetering.



Read the full case study on 360 State Street by visiting H2O Degree's website at www.h2odegree.com/aspela.php



To request information on H2O Degree leak protection and submetering solutions contact our local representative Keyline Sales at (562) 904-3910.

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TECHNICAL REPORT

Vahan Margaryan CPD, GPD
V.P. Technical

Hello fellow ASPE LA members. Hope you are doing well. I would like to start my report by expressing my gratitude to Mr. Greg Swafford for conducting a very informative presentation at our June 7th meeting – I’ve received a lot of positive feedback from the attendees highlighting an exceptionally great presentation by Mr. Greg Swafford.

Even though it is still a little gloomy and a bit of overcast with clouds dominating our sky in the early am hours, the summer is upon us. This summer should be pretty promising which will be filled with many activities for ASPE LA fellow members.

2023 Donald F Dickerson ASPE LA Golf Tournament was held at the Brookside Golf Club at The Rose Bowl – such a great event with many of our friends participating. Kudos to ASPE LA Golf committee and especially Bill Siler and Davis Kelly for leading this event. Also, I would like to thank all our sponsors for supporting us – without your sponsorship this event could not have come to fruition – THANK YOU! Another fast-approaching event is the upcoming Product Show and Technical Seminar. I would like to apologize

for some misleading information that I had provided in my previous monthly report – the event will not be conducted in the Los Angeles Marriott Burbank Airport, due to some additional fees and challenges with providing meals to attendees, ASPE LA Board of Directors and Product Show and Technical Seminar committee has decided to book the Quiet Cannon Conference & Event Center at 901 N. Via San Clemente, Montebello, CA 90640, the date will remain unchanged, Wednesday, August 16th, 2023. At least three technical sessions will be offered to our attendees:

1. Lab and specialty gas design
2. Fuel oil handling system design
3. Fire protection system design watchouts

Email blast with technical seminars and product show registration forms will be emailed to all members separately. Another summer event – The Summer picnic is tentatively scheduled for October 8th, 2023. It most probably will be held at Elysian Park. The committee will focus on this event right after the 2023 Donald F Dickerson ASPE LA Golf Tournament.

The International Association of Plumbing and Mechanical Officials (IAPMO®) has published the 2024 editions of the Uniform Plumbing Code® (UPC) and Uniform Mechanical

continued on page 13

AT LAST – IT’S ARRIVED!

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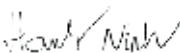



Case Study: Panorama Towers, Las Vegas, NV.

Cost to install: **\$55,000** ✓
Savings over conventional softener in year one: **\$168,000** ✓
Estimated 3-year savings: **\$500,000** ✓
Annual Running Costs: **\$200**



TEST REPORT
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<http://www.iapmort.org>

Report Number: 2536-18001-002	Project No.: 29225
Report Issued: February 26, 2018.	
Client: Aqua-Rex 3301 Spring Mountain Road Ste 18 Las Vegas, NV 89102	Contact: Jonny Secombe
Source of Samples: The samples were shipped to IAPMO R&T Lab from Aqua-Rex, and received in good condition on October 11, 2017.	
Date of Testing: October 25, 2017 through December 15, 2017.	
Sample Description: Scale Prevention Device; model: Aqua-Rex WK1-E.	
Scope of Testing: The purpose of the testing is to determine the efficacy of the Scale Prevention Device per section 5 of IAPMO IGC 335-2018, entitled "Rapid Scaling Test for Scale Prevention Devices".	
CONCLUSION:	When tested per Section 5 of IAPMO IGC 335-2018, Aqua-Rex WK1-E reduced scaling by 83% when applied to Las Vegas water heated to 180°F.
Tested by,	Reviewed by,
 Hanks Ninh, Project Engineer	 Sean Vuu, P.E., Manager, Specialty Projects

Download the Engineer's Specifier Guide from www.aqua-rex.com

Scale Down. Soften Up.



LEGISLATIVE REPORT*Vivian Enriquez CPD, FASPE**V.P. Legislative*

Hello everyone! By the time you're reading this report, the 2023 ASPE-LA Product Show and Technical Seminars are over. We want to thank the 3 technical speakers, Mr. Matt Blanchart of Yardley Pumps & Vacuum, Inc., who presented "Lab & Specialty Gas Design"; Mr. Lee Carnahan of Preferred Utilities Mfg. Corp., who presented "Fuel Oil Handling System Design"; and Mr. Alan Larson & Mr. Clint Williamson of Reliable Automatic Sprinkler Company, who presented "Beyond the Pipe: Fire Sprinkler System Corrosion", including the 80 engineers and designers that attended the seminars.

We also want to thank the following exhibitors that helped us fill the 51 booths and grace the product show with the latest plumbing trends in plumbing.

- A. O. SMITH
- AIR TREATMENT CORP.
- APOLLO VALVES
- CARHILL COMPANY
- CULLIGAN/HALLS WATER
- DAWSON COMPANY
- DAYBREAK TECHNOLOGIES
- DB SALES & SERVICE
- DELCO SALES
- DELTA Q
- ELMCO-STEWART
- ENVIRO-PRODUCT WEST
- EQUIPMENT CONTROLS
- GUARDIAN EQUIPMENT INTELLIHOT
- JOMAR VALVE
- KEYLINE SALES (OMEGA FLEX)
- LIXIL-AMERICAN STANDARD
- MAINLINE SALES
- MEGA WESTERN SALES
- NIBCO
- NORITZ
- POWEREX, INC.
- PREFERRED UTILITIES
- PUROSERVE WATER SYSTEMS

- RELIABLE AUTOMATIC SPRINKLER COMPANY
- RENCO SALES
- RAYPAK /RHEEM
- SIGNATURE SALES
- SPEARS MANUFACTURING
- SPECIFICATION SALES
- STATE-FUNDED CAD/BIM PROGRAM
- SYMMONS INDUSTRIES
- THE BROWN COMPANY
- VIEGA LLC
- WEIL AQUATRONICS
- YARDLEY PUMP & VACUUM

Special thanks go also to those that have sponsored the raffle prizes. They are the following:

- Culligan/Halls Water
- Curb-O-Let
- Delco Sales
- Delta Q
- Elmco-Stewart
- Enviro-Product West
- Guardian Equipment
- Intellihot
- Jomar Valves
- Keyline Sales
- Lixil-American Standard
- Mainline Sales
- Mega-Western Sales
- Nibco
- Powerex
- Renco Sales
- Raypak/Rheem
- Signature Sales
- Spears Manufacturing
- Specification Sales
- Symmons Industries
- Viega LLC
- Weil Aquatronics
- Yardley Pumps & Vacuum, Inc.

Legislative Report will resume at next month's newsletter.





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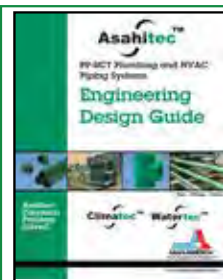
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GENERAL MEETING MINUTES

Jeff Atlas

Administrative Secretary... and your newsletter editor

A big big special **THANK YOU** to our very own



Vivian Enriquez

for taking it upon herself to put on a spectacular product show and technical seminar for all of us!

Participation was great! Were you there?? You should have been!

Our next meeting is titled “Drinking Fountains and Bottle Fillers in a Post Covid World”. Come join us as the presentation will inform you as to what the manufacturer is up against with regulations and what it may mean for you as a specifying engineer.

However, the question is, are we living in a post ‘COVID’ world? Are you aware that mask mandates, etc. are being reinstated? Don’t you just love the word

“mandate”? Let’s see what happens, but the city of Los Angeles has signed onto a whole host of restrictions for you in the not too distant future. We shall see how this all plays out.

One thing to note is that banning natural gas, which only a couple of years ago was touted as the clean green energy by many jurisdictions, and still is, is in the courts being fought against. Yes folks, some people are fighting back. Are we even allowed to offer a diverse and different view? Our industry talks about all of this as though it were fact. We’ll see what happens.

See you all on September 6, 2023?



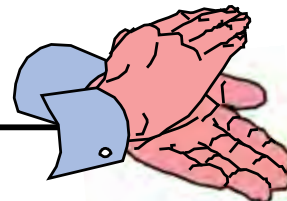
WHO Showed up?

How many vendors showed up?...

The total vendor attendance was

36!

plus our technical speakers!



Jeff Atlas
District Sales Manager
(661) 428-4607 cell
jeff.atlas@raypak.com

2151 Eastman Avenue, Oxnard, CA 93030



Kurt Bramstedt
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continued from page 5

Code® (UMC) in both hardcopy and electronic versions, completing a three-year consensus development cycle accredited by the American National Standards Institute (ANSI) Significant changes to the UPC include:

1. New provisions for tileable shower receptors and kits
2. Provision for temperature-actuated, flow-reduction devices for individual fittings
3. New provisions for all-gender facilities, including fixture count, privacy compartments, and partitions.
4. New requirements for water supply and distribution manifolds.
5. Updated provisions for hot water recirculating systems.
6. New provisions for private well water tanks
7. Updated provisions for appliance condensate drains when serving more than one appliance and connecting to a common indirect waste pipe.
8. Updated minimum water quality provisions for onsite treated nonpotable water systems, and nonpotable water devices and systems for harvested rainwater systems
9. Update water supply fixture unit (WSFU) and drainage fixture unit (DFU) values for bathroom groups in Appendix C
10. New Appendix O providing minimum non-sewered sanitation systems.
11. New Appendix P providing minimum qualifications for inspectors, examiners, service technicians, installers, and administrators relating to systems addressed in the UPC.
12. New Appendix Q addressing plumbing requirements for indoor horticultural facilities.
13. New Appendix R providing minimum plumbing system requirements for tiny houses.
14. New Appendix S with provisions pertaining to onsite stormwater treatment systems



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MEMBERSHIP REPORT

Robert Galaviz CPD
V.P.Membership

Hello ASPE Los Angeles Members!

I hope this update finds you well. Despite not having received the society reports for the past two months, I wanted to provide you with a brief update.

It was a real pleasure to see so many familiar faces at the recent ASPE LA technical seminar & product show. We truly appreciate the support of all the local members and vendors that participated in the event.

It was noted that several attendees were not currently registered as members of our chapter.

I'd like to encourage those folks to sign up and join our chapter.

If you know anyone that was in attendance, please share the following link to the ASPE application.

<https://www.aspe.org/membership-global-community/join/>



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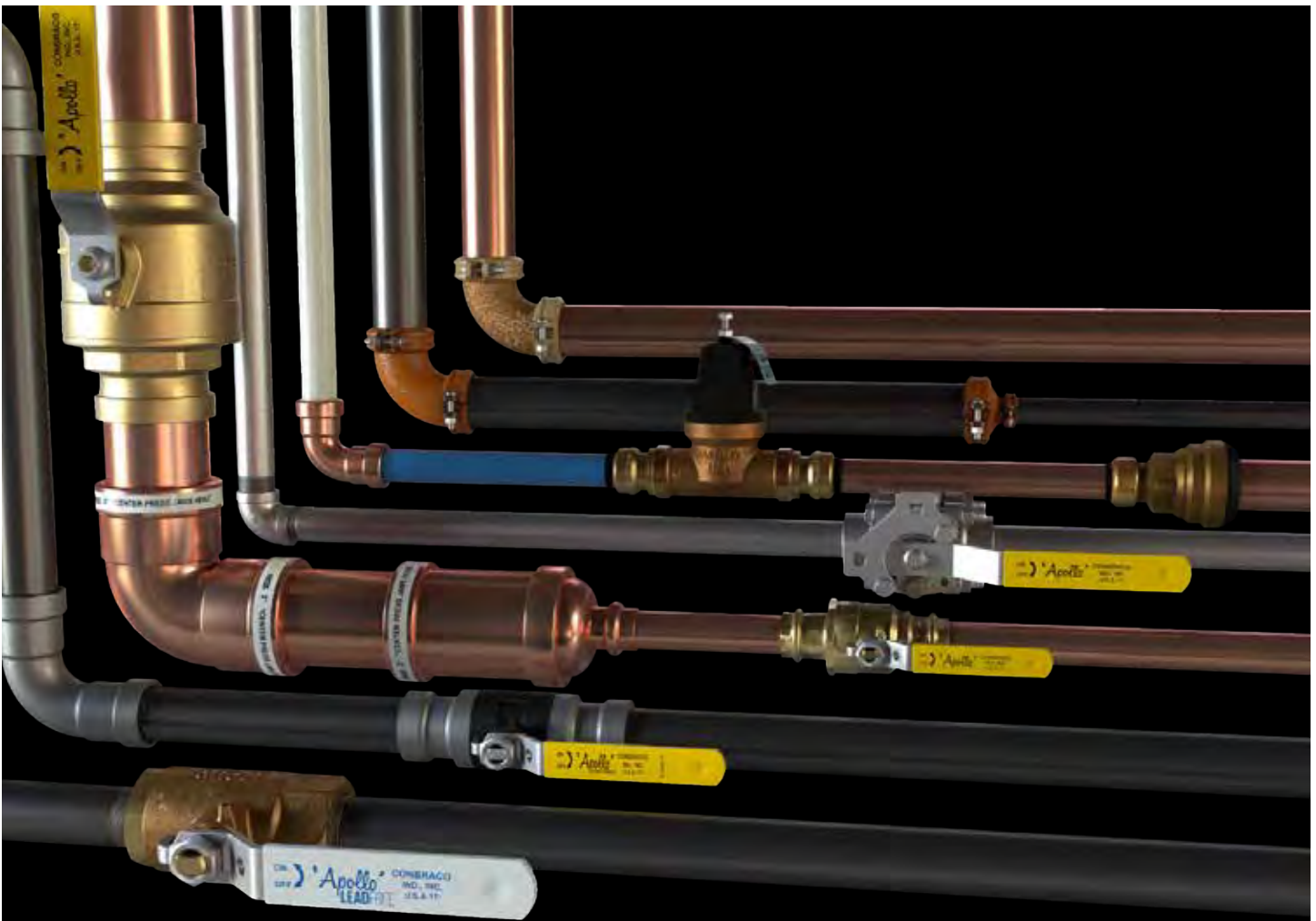


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PRESIDENT: continued from page 1

dependent on the Dodger game schedules. Come and join us. Bring your families and friends. Let us know what kind of activity you all want to do on our picnic day. Please contact Vahan for that event.

If you are planning to attend the 2023 ASPE Technical Symposium, please let us know. We may try to get together. I'll be there between September 28 to October 1, 2023. Come and join us at Bellevue, Washington.

Other chapter events are a fishing trip and annual dinner. But we have not set these dates yet. What we are thinking is at our regular December meeting, for the Holiday Party. For the fishing trip, we still have not decided yet, if any manufacturer wants to sponsor the fishing trip, let us know.

As always, do not hesitate to reach us or any board member for any topics that you may want to see in any of our technical programs. Watch your email for the next meeting invite and I look forward to seeing you all at the next meeting.







2151 Eastman Avenue, Oxnard, CA 93030



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gogetemtiger@juno.com



Editor
JEFF ATLAS
 Raypak
 (661) 478-4565
aspnews@gmail.com



Vice President Technical
VAHAN MARGARYAN CPD, GPD
 ARUP
 (310) 422 7425
vahan.margaryan@arup.com



Treasurer
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Women of ASPE Region 4 Liaison
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Administrative Secretary
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 Raypak
 (661) 478-4565
aspnews@gmail.com



Chapter Affiliate Liaison:
JOHN ZAGORSKI
 Mainline Sales
 (562) 447-4561
jzagorski@mlsalesinc.com



Vice President Membership
ROBERT GALAVIZ CPD
 Raypak
 (626) 2165-1583
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