

HEBER PUBLIC UTILITY DISTRICT

REPORT TO BOARD OF DIRECTORS

MEETING DATE: July 19, 2018

FROM: Laura Fischer, General Manager

SUBJECT: Approve Out of State Travel to Attend Tri-State Training in Las Vegas, Nevada

ISSUE:

Shall the Board of Directors approve the out of state travel to Las Vegas, Nevada by the Chief Operator and two additional Water/Wastewater Operators?

GENERAL MANAGER'S RECOMMENDATION:

It is recommended that the Board of Directors approve the out of state travel.

FISCAL IMPACT:

Not to exceed budgeted amount of \$5,400. This amount is included in the FY 2018-19 budget and will not exceed the budgeted amount.

DISCUSSION:

According to the newly adopted Policy Manual, all out of state travel must be approved by the Board of Directors. The FY 2018-19 budget includes funds for staff to attend the Tri-State Training held each year in Las Vegas. This training is an inexpensive training for HPUD operators to earn the necessary continuing education credits required to maintain their Operator Water and Wastewater Certificates.

The Tri-State Seminar provides training and certification classes for safety, water, wastewater and stormwater industry professionals from California, Nevada, and Arizona. Technical sessions and workshops are tailored to help each attendee learn about new techniques, regulations, and advancements within each industry.

CONCLUSION:

As all out of state travel must be approved by the Board of Directors this item is before you. As the training for Tri-State was specifically included in the FY 2018-19 budget this item was placed on the consent agenda.

Respectfully Submitted,

Laura Fischer,
General Manager

2018 TRI-STATE SEMINAR PROGRAM AGENDA

TUESDAY, SEPTEMBER 25, 2018

7:00 A.M. - 7:30 A.M. - JAVA JOLT

11:30 A.M. - 1:00 P.M. - LUNCH

9:20 A.M. - 9:40 A.M. - JAVA JOLT

WASTEWATER TREATMENT LeAnna Risso, Chair		SONOMA C & D	SESSION
7:30-8:20	EXTERNAL CARBON FOR WASTEWATER TREATMENT <i>Rick Allen, BioLynceus Environmental Solutions</i>		1110
8:30-9:20	PIMA COUNTY ADDRESSES P CONCERNS <i>Jerry Bish, Greeley & Hansen</i>		1210
9:40-10:30	CENTRIFUGAL PUMPS- PART 1 <i>Sidney Innerebner, Indigo Water Group</i>		1310
10:40-11:30	CENTRIFUGAL PUMPS- PART 2 <i>Sidney Innerebner, Indigo Water Group</i>		1410
1:00-1:50	THE "TEST" OF A CLARIFIER...IS IN THE 'TESTING'! <i>John Esler, Clarifier Performance Evaluations, Inc.</i>		1510
2:00-2:50	CLOSED VESSEL ULTRAVIOLET TECHNOLOGY FOR MUNICIPAL WW <i>Patrick Bollman, Evoqua Water Technologies</i>		1610
3:00-3:50	RARE EARTH TECHNOLOGY FOR P REMOVAL & ENHANCED SLUDGE PROPERTIES <i>Jim Gallman, Neo Materials</i>		1710
INSTRUMENTATION/ELECTRICAL & CONTROL Peter Beaulieu, Chair/Greg Quist, Co-Chair		NAPA A & B	SESSION
7:30-8:20	CALIBRATION OF PROCESS AUTOMAITON INSTRUMENTS <i>Jeffery Blue, Southern Nevada Water System</i>		1114
8:30-9:20	FORM-WOUND MOTOR REPAIR <i>Aaron Hall, CH2M</i>		1214
9:40-10:30	PUTTING THERMAL IMAGING TO WORK FOR YOU <i>Heath Szymanski, Clark County Water Reclamation District</i>		1314
10:40-11:30	ELECTRICAL SAFETY, PREVENTIVE MAINTENANCE & NFPA 70E <i>Tim Rohrer, Exiscan</i>		1414
1:00-1:50	POWER DISTRIBUTION SYSTEM CONCEPTS FOR ARC FLASH HAZARD REDUCTION <i>Heber Torres, Slater Hanifan Group</i>		1514
2:00-2:50	ELECTRICAL POWER QUALITY MONITORING & SUB-METERING <i>Sanjeev Niroula, Electro Industries</i>		1614
3:00-3:50	TODAY'S CRITICAL POWER SYSTEMS IN YOUR PLANT <i>Kurt Richard, RAMTEK, Mission Critical Solutions</i>		1714
BACKFLOW PREVENTION Eugene, Bragazzi, Chair		NAPA C & D	SESSION
7:30-8:20	OPERATING PRINCIPLES OF CROSS CONNECTION CONTROL <i>Jim Purzycki, BAVCO</i>		1101
8:30-9:20	TROUBLESHOOTING BACKFLOW PREVENTION ASSEMBLIES <i>Jim Purzycki, BAVCO</i>		1201
9:40-10:30	REPAIR OR REPLACE? THE WHY AND WHEN <i>Jim Purzycki, BAVCO</i>		1301
10:40-11:30	COMMON FIELD MODIFICATIONS & THEIR EFFECT ON APPROVAL <i>Paul Schwartz, USC FCCC & Hydraulic Research</i>		1401
1:00-1:50	DETECTOR ASSEMBLIES ON FIRE SPRINKLER SYSTEMS <i>Paul Schwartz, USC FCCC & Hydraulic Research</i>		1501
2:00-2:50	LAS VEGAS WATER DISTRICT BACKFLOW RETROFIT PROGRAM <i>Adriana Ventimiglia, LVVWD</i>		1601
3:00-3:50	MANAGING THE MONSTER OF THE BACKFLOW PREVENTION PROGRAM <i>Richard Dalton, City of Tempe, AZ</i>		1701
WATER DISTRIBUTION Ken Snow, Chair/Steve Davis, Co-Chair		GRAND BALLROOM A	SESSION
7:30-8:20	UNDERSTANDING YOUR WATER TANK AND IT'S CONDITION <i>Kevin Barnes, Ferguson Waterworks</i>		1111
8:30-9:20	WATER DISTRIBUTION FIELD MANAGEMENT OPTIMIZATION <i>Dave Tracey and Adam Barnett, LuminUltra Technologies Ltd.</i>		1211
9:40-10:30	UTILITY CIP MANAGEMENT <i>Steve Notch, Town of Gilbert, AZ</i>		1311
10:40-11:30	PRESSURE PIPELINE REHABILITATION TECHNOLOGY <i>Mike Ambroziak, Construction Product Marketing</i>		1411
1:00-1:50	CONNECT AND OPERATIONALIZE ENTERPRISE DATA <i>George Cardenas, Phelan Pinon Hills Community Services District</i>		1511
2:00-2:50	LESS PAPER, MORE INSIGHTS <i>Jamie Persino, Sedaru</i>		1611
3:00-3:50	IMPROVING WATER SYSTEM OPERATIONS & CUSTOMER SERVICE <i>Richard Sanders, Zenner USA</i>		1711

7:00 A.M. - 7:30 A.M. - JAVA JOLT

11:30 A.M. - 1:00 P.M. - LUNCH

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2018 TRI-STATE SEMINAR PROGRAM AGENDA

TUESDAY, SEPTEMBER 25, 2018

7:00 A.M. - 7:30 A.M. - JAVA JOLT

11:30 A.M. - 1:00 P.M. - LUNCH

9:20 A.M. - 9:40 A.M. - JAVA JOLT

MAINTENANCE Dave Badgley, Chair/Rick Jesmok, Co-Chair		GRAND BALLROOM B	SESSION
7:30-8:20	BASIC PUMPS <i>Kevin Baughman, RCAC</i>		1106
8:30-9:20	BASICS OF MOTOR TESTING: CUZ THE JOB YOU SAVE COULD BE YOUR OWN! <i>Mike Schneidr, ALL-TEST Pro, LLC</i>		1206
9:40-10:30	SUBMERSIBLE LIFT STATION TROUBLESHOOTING-OPTIMIZING PERFORMANCE <i>Rick Jesmok, FlowNControl</i>		1306
10:40-11:30	WHO'S IN CONTROL...CONTROL STRATEGY & MAINTENANCE OF LIFT STATIONS <i>Troy Hertog, PRIMEX</i>		1406
1:00-1:50	BUILDING AN IN-HOUSE RCM PROGRAM: LESSONS LEARNED <i>Paul Hughes, PinnacleART</i>		1506
2:00-2:50	O&M MANUAL UPDATES: HOW TO OPTIMIZE OPERATIONS & MAINTENANCE		1606
3:00-3:50	THE BEST TOOL IN YOUR TOOL BELT IS YOUR CELL PHONE <i>David Rockacy, DatalinQR</i>		1706
WASTEWATER COLLECTIONS Stephen Johns, Chair/Sal Cruz, Co-Chair		SONOMA A & B	SESSION
7:30-8:20	WINNING THE WAR AGAINST WIPEES <i>Dave Barkley, JWC Environmental, LLC</i>		1102
8:30-9:20	TYPES OF LIFT STATIONS & ASSOCIATED COSTS/A CASE STUDY <i>Michael Tuel, Smith & Loveless, Inc.</i>		1202
9:40-10:30	BEST PRACTICES: USE, CARE & REPAIR OF HIGH PRESSURE SEWER CLEANING HOSE		1302
10:40-11:30	SEWER CLEANING VEHICLES WITH WATER RECYCLING TECHNOLOGY <i>Stefanie Wiedemann, Wiedemann Envirotec GmbH & Co KG</i>		1402
1:00-1:50	COMBINATION MACHINE MAINTENANCE <i>Carey Olcott, Haaker Equipment Company</i>		1502
2:00-2:50	INNOVATIVE OVERFLOW PREVENTION: USING ECHOS FOR DETECTION <i>Paul Mitchell, ADS Environmental Services</i>		1602
3:00-3:50	LATERAL SOLUTIONS <i>Jason Walborn, Pro-Pipe</i>		1702
SAFETY/HEALTH/SECURITY James Taylor, Chair/ Frederick Tack, Co-Chair		BRUNSWICK ROOM	SESSION
7:30-8:20	DOMESTIC TERRORISM AWARENESS - PART 1 <i>Special Agent Jay Beasley, Federal Bureau of Investigation</i>		1108
8:30-9:20	DOMESTIC TERRORISM AWARENESS - PART 2 <i>Special Agent Jay Beasley, Federal Bureau of Investigation</i>		1208
9:40-10:30	CHOOSING THE BEST GAS DETECTOR/CALIBRATION & TESTING REQUIREMENTS <i>Michael Calvo, GfG Instrumentation</i>		1308
10:40-11:30	OSHA SILICA RULE <i>Nick Kato, Town of Gilbert, AZ</i>		1408
1:00-1:50	WATER UTILITY SERVICE GENERAL SAFETY <i>Dale Becker, TTI/MC Consultants Inc.</i>		1508
2:00-2:50	SAFETY AT THE WORKPLACE: ACTIVE SHOOTER - PART 1 <i>Rick Buffington, Riverside Sheriff Department</i>		1608
3:00-3:50	SAFETY AT THE WORKPLACE: ACTIVE SHOOTER - PART 2 <i>Rick Buffington, Riverside Sheriff Department</i>		1708
STORMWATER Jenn Davis, Chair/Nikita Lingenfelter, Co-Chair		BOWLING CENTER SQUAD ROOM	SESSION
7:30-8:20	WQ MANAGEMENT PLANS & ASSOCIATED STORMWATER TREATMENT DEVICES <i>Joseph Rosales, City of Montclair, CA</i>		1113
8:30-9:20	FILL 3 NEEDS WITH 1 BMP <i>Jarrod Miller, WSP</i>		1213
9:40-10:30	TRACING THE STEPS FROM COMPLIANCE THRU POST-IMPLEMENTATION <i>Dawn Petschauer and Seth Carr, LA Sanitation Watershed Protection Division</i>		1313
10:40-11:30	IMPROVING STORMWATER RUNOFF QUALITY THRU ASSET MANAGEMENT <i>Grant Sharp, County of Orange/OC Public Works</i>		1413
1:00-1:50	STORMWATER PROTECTION FOR WATER UTILITIES <i>Steven Ross, Las Vegas Valley Water District</i>		1513
2:00-2:50	THE CREATION OF NDOT'S STORMWATER PROGRAM <i>Dave Gaskin, Nevada Department of Transportation (NDOT)</i>		1613
3:00-3:50	OPTIONS FOR STORMWATER RATE CALCULATIONS <i>Catherine Hansford, Hansford Economic Consulting</i>		1713

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2018 TRI-STATE SEMINAR PROGRAM AGENDA

WEDNESDAY, SEPTEMBER 26, 2018

7:00 A.M. - 7:30 A.M. - JAVA JOLT

11:30 A.M. - 1:00 P.M. - LUNCH

9:20 A.M. - 9:40 A.M. - JAVA JOLT

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MAINTENANCE Dave Badgley, Chair/Rick Jesmok, Co-Chair		GRAND BALLROOM B	SESSION
7:30-8:20	CATHODIC PROTECTION OF MULTIPLE INTERCONNECTED PIPELINES <i>Dale Claassen, Las Vegas Valley Water District</i>		2106
8:30-9:20	OVERVIEW OF CLASSIC & NEW STATE OF THE ART PIPELINE REHAB TECHNOLOGIES <i>Dave Badgley, Performance Pipeline Technology</i>		2206
9:40-10:30	CONDITION ASSESSMENT OF REINFORCED CONCRETE STRUCTURES <i>Bryan Osborne, Clark County Water Reclamation District</i>		2306
10:40-11:30	WE COME FROM DOWN UNDER (AUSTRALIA):WITH SOLUTIONS FOR ODOR & CORROSION PROBLEMS <i>Michael Wheatland, Calx</i>		2406
1:00-1:50	CONFUSIONS AND SOLUTIONS WITH SPECIALITY COATINGS <i>Greg Wallace, Kerneos SewperCoat</i>		2506
2:00-2:50	NOVEL CORROSION-RESISTANT MANHOLE CONSTRUCTION METHODS <i>Jed Friesen, Predl Systems</i>		2606
3:00-3:50	REDUCING INFLOW & INFILTRATION IN MANHOLES AND VAULTS <i>Lee Haessig, Cretex Specialty Products</i>		2706
WASTEWATER TREATMENT LeAnna Rizzo, Chair		SONOMA C & D	SESSION
7:30-8:20	SOLVING NUTRIENTS: HOW TO BIOLOGICALLY DENITRIFY <i>Will McHale, Nexom</i>		2110
8:30-9:20	WATER WORK <i>Pamela Murawski, Office of Water Programs</i>		2210
9:40-10:30	OCCURRENCE OF ANTIOTBIOTIC RESISTANCE IN WWTP <i>Majid Neyestani, Greeley & Hansen</i>		2310
10:40-11:30	10 YRS OF SUCCESSFUL ENHANCED PRIMARY TREATMENT POINT LOMA WWTP <i>Inken Mello, USP Technologies</i>		2410
1:00-1:50	GRIT HAPPENS! YOU DON'T KNOW WHAT YOU ARE MISSING <i>Pat Herrick, Hydro International</i>		2510
2:00-2:50	FINE START! PRIMARY TREATMENT UTILIZING FINE SCREENS AT THE HEADWORKS <i>Jesus Rodriguez, JWC Environmental</i>		2610
3:00-3:50	ONE DIRTY WATER: BRIDGING THE ORGANIZATIONAL GAP <i>Benjamin Marquart, City of San Luis Obispo</i>		2710
ENVIRONMENTAL COMPLIANCE/PRETREATMENT Nicole deMoet, Chair/Nathan Ellis, Co-Chair		NAPA A & B	SESSION
7:30-8:20	INDUSTRIAL BAKERIES, "COTTAGE FOOD" & PRETREATMENT <i>Chelsey Weaver, City of Phoenix, AZ</i>		2107
8:30-9:20	THE BUILDING BLOCKS OF FOG, HOW TO IMPLEMENT A FOG CONTROL PLAN <i>Joseph Jenkins, EEC Environmental</i>		2207
9:40-10:30	WHAT'S THAT SMELL? MANAGING H2S <i>Rick Allen, BioLynceus Environmental Solutions</i>		2307
10:40-11:30	STONE BREWERY - AN INDUSTRIAL BREWING TREATMENT PLANT OVERVIEW <i>Charlie Arnold, Stone Brewing Co</i>		2407
1:00-1:50	2017 - A VINTAGE YEAR FOR FIELD INVESTIGATIONS <i>John Boyd, Los Angeles County Sanitation Districts</i>		2507
2:00-2:50	COMPLIANCE ISSUES FOR CANNABIS CULTIVATION <i>Arthur Deicke and Chris Murray, Environmental Pollution Solutions LLC</i>		2607
3:00-3:50	EPA PRETREATMENT UPDATE <i>Amelia Whitson, U.S. Environmental Protection Agency, Pacific Southwest Region</i>		2707
SURFACE WATER & WATER TREATMENT Raj Chavan, Chair/Blake Gonska, Co-Chair		NAPA C & D	SESSION
7:30-8:20	TURBIDITY - HISTORY, MEASUREMENT, AND CURRENT TECHNOLOGIES <i>Randy Turner, SWAN Analytical USA</i>		2114
8:30-9:20	TECHNIQUES FOR ACCURATE MEASUREMENT OF LOW-LEVEL TURBIDITY SAMPLES <i>Peter Strimple, INFRAMARK</i>		2214
9:40-10:30	HEXAVALENT CHROMIUM REMEDIATION: AFFORDABLE & RELIABLE Cr(VI) TREATMENT <i>Vladimir Dozortsev and Tom Williams, Aqua Metrology Systems</i>		2314
10:40-11:30	FUNDAMENTALS OF DISINFECTION 101 <i>Steven Winfree, Stantec</i>		2414
1:00-1:50	CHEMICAL METERING PUMP AND ACCESSORIES <i>Richard Hopkins, Hopkins Technical Products, Inc.</i>		2514
2:00-2:50	COMPARISON OF LASER TURBIDITY TO PARTICLE COUNTS <i>Roger Sedlacek and Dr. Cary Jackson, HACH</i>		2614
3:00-3:50	USING PARTICLE COUNTERS W/TURBIDIMETERS TO OPTIMIZE PERFORMANCE <i>John Clark, Chemtrac</i>		2714

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STORMWATER Jenn Davis, Chair/Nikita Lingenfelter, Co-Chair		BOWLING CENTER SQUAD ROOM	SESSION
7:30-8:20	STORMWATER MANAGEMENT: IT'S EVERYONES RESPONSIBILITY <i>Scott Mitchell, City of Lake Havasu, AZ</i>		2113
8:30-9:20	MAKING A WET SUBJECT A HOT TOPIC! TRAINING TECHNIQUES THAT MOTIVATE <i>T. Luke Owen, NPDES Stormwater Training Institute</i>		2213
9:40-10:30	WHAT STORMWATER CERTIFICATION DO I NEED? <i>Misti Burkman and Kaelah Chaney, CDM Smith</i>		2313
10:40-11:30	THE NEW FACE OF STORMWATER MANAGEMENT <i>Bill Dean, BCK Programs, LLC</i>		2413
1:00-1:50	WAIT! DIDN'T WE ALREADY DO THAT? A PROGRESSIVE NEED TO PROMOTE SW GOALS <i>Theresa Jones, City of Reno, NV</i>		2513
2:00-2:50	WATER SAMPLING <i>John Cummings, NV5, Inc.</i>		2613
3:00-3:50	CONDUCTING WET WEATHER INSPECTIONS IN AN ARID ENVIRONMENT <i>Misty Burkman and Christina Grijalva, CDM Smith</i>		2713
WASTEWATER COLLECTIONS Stephen Johns, Chair/Sal Cruz, Co-Chair		SONOMA A & B	SESSION
7:30-8:20	CHOOSING THE BEST GAS DETECTOR/CALIBRATION & BUMP TEST <i>Michael Calvo, GfG Instrumentation</i>		2102
8:30-9:20	PUMPS 201 <i>Chris Augustine, Stantec</i>		2202
9:40-10:30	DIGITAL SIDE-SCANNING TECHNOLOGY <i>Matthew Olson, CUES, Inc.</i>		2302
10:40-11:30	VACUUM TRUCK DEWATERING REVOLUTION-WATER RECYCLING <i>David Haynes, Super Products, LLC</i>		2402
1:00-1:50	APPROPRIATE CLEANING PIPE METHODS FOR DIFFERENT SEWER PIPE MATERIALS <i>Jeffrey Boschert, National Clay Pipe Institute</i>		2502
2:00-2:50	WHEN ONE PLUS ONE EQUALS THREE- HOW DATA FUSION MAKES LIFE EASIER <i>Greg Quist, SmartCover Systems and Rincon Water District</i>		2602
3:00-3:50	REDUCING I&I THROUGH MAINLINE CIPP LINING, MANHOLE LINING & LATERAL REPAIRS <i>Travis Fisher, Ojai Valley Sanitary District</i>		2702
SAFETY/HEALTH/SECURITY James Taylor, Chair/ Frederick Tack, Co-Chair		BRUNSWICK ROOM	SESSION
7:30-8:20	SAFETY AT THE WORKPLACE: ACTIVE SHOOTER - PART 1 <i>Rick Buffington, Riverside Sheriff Department</i>		2108
8:30-9:20	SAFETY AT THE WORKPLACE: ACTIVE SHOOTER - PART 2 <i>Rick Buffington, Riverside Sheriff Department</i>		2208
9:40-10:30	ARC FLASH ASSESSMENTS & REQUIREMENTS IN ELECTRICAL SAFETY PROGRAMS <i>Greg Hollingsworth, Masters Compliance Consulting</i>		2308
10:40-11:30	TRENCHING & SHORING AWARENESS AND SAFETY <i>Bret Druesne, United Rentals</i>		2408
1:00-1:50	CONFINED SPACE AWARENESS TRAINING <i>TBD, United Rentals</i>		2508
2:00-2:50	INTERNAL SAFETY AUDITING PROGRAM DEVELOPMENT <i>James Taylor, GHD Inc.</i>		2608
3:00-3:50	HOW TO ESTABLISH INTERNSHIPS AT YOUR UTILITY <i>Steven Chavis, Napa Sanitation District</i>		2708
WATER DISTRIBUTION Ken Snow, Chair/Steve Davis, Co-Chair		GRAND BALLROOM A	SESSION
7:30-8:20	CHLORAMINE RESIDUAL OPTIMIZATION AND MANAGEMENT <i>Kevin Sanner and Andrew Seidel, UGSI Solutions</i>		2111
8:30-9:20	ACTIVE CONTROL OF THM LEVELS IN DRINKING WATER & DISTRIBUTION SYSTEMS <i>Ethan Brooke, PAX Water</i>		2211
9:40-10:30	WATER SYSTEM RESILIENCY DURING SYSTEM UPSET <i>Joseph C. Smith, Jr., Town of Gilbert, AZ</i>		2311
10:40-11:30	WATER LOSS: SAVING WATER & SAVING CAPITAL - IT'S WORTH IT <i>Simon Wick, Matchpoint Water Asset Management</i>		2411
1:00-1:50	PRE-MAINTENANCE EVALUATIONS: THE FIRST STEP <i>Gregory R. "Chip" Stein, Tank Industry Consultants</i>		2511
2:00-2:50	LIFE CYCLE COST ECONOMICS FOR SMALL WATER METER REPLACEMENT <i>Stephen Davis, Metering Technology Consultants</i>		2611
3:00-3:50	TECHNOLOGY OUT OF THIS WORLD: GEOSPATIAL DATA <i>Sarah Christman, Matchpoint Water Asset Management</i>		2711

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LABORATORY Julia Lew, Chair/Dana LaRance, Co-Chair		MONTEREY BAY	SESSION
7:30-8:20	LEGALLY DEFENSIBLE LABORATORY DATA <i>Michelle Wade, Wade Consulting and Solutions</i>		2103
8:30-9:20	LABORATORY TURBIDITY: HOW TO ENSURE ACCURACY & REPEATABILITY <i>Roger Sedlacek, HACH</i>		2203
9:40-10:30	QC & TROUBLESHOOTING FOR pH, DO, CHLORINE & TURBIDITY ANALYSES <i>Peter Strimple, INFRAMARK</i>		2303
10:40-11:30	ONLINE AMPEROMETRIC CHLORINE ANALYZERS - DO THEY WORK? <i>John Clark, Chemtrac</i>		2403
1:00-1:50	MICROSCOPIC BIOLOGICAL SURVEYS (MBS) & WHY THEY ALWAYS MATTER <i>Ken Burgener, NDSD</i>		2503
2:00-2:50	LEGIOLERT: A TOOL TO UNDERSTAND THE RISK OF LEGIONNAIRES' IN WATER SYSTEMS <i>Shawn Dubois, IDEXX</i>		2603
3:00-3:50	CORRELATIONS BETWEEN BOD5 AND TOC IN WASTEWATER <i>Dana LaRance, City of Henderson, NV</i>		2703

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THURSDAY, SEPTEMBER 27, 2018

7:00 A.M. - 7:30 A.M. - JAVA JOLT

11:30 A.M. - 1:00 P.M. - LUNCH

9:20 A.M. - 9:40 A.M. - JAVA JOLT

MAINTENANCE Dave Badgley, Chair/Rick Jesmok, Co-Chair		GRAND BALLROOM B	SESSION
7:30-8:20	GIS UTILITY MANAGEMENT FOR LOCAL GOVERNMENTS <i>Erik Greene, City of Hesperia, CA</i>		3106
8:30-9:20	WHAT OWNERS & ENGINEERS SHOULD KNOW TO ELIMINATE CORROSION ABOVE THE WATER LINE		3206
9:40-10:30	MANAGING WATER STORAGE IN EXTREME ENVIRONMENTS <i>Sharla Gibson, Atkins-Member of the SNC-Lavalin Group</i>		3306
10:40-11:30	CONDITION ASSESSMENT & ASSET MGMT. ALTERNATIVES FOR SMALL AGENCIES <i>David Martin, The PRD Group, Inc.</i>		3406
1:00-1:50	HYDRAULIC AERATION AND ODOR CONTROL <i>Richard St-Aubin, IPEX USA, LLC</i>		3506
2:00-2:50	LADDER SAFETY TRAINING: ONE WRONG STEP CAN KILL <i>Nick Kato, Town of Gilbert, AZ</i>		3606
3:00-3:50	ELECTRICAL SAFETY & MAINTENANCE PER NFPA 70E <i>John Hagstrom, Electrical Reliability Services, Inc.</i>		3706
GROUNDWATER AND RECHARGE Geno Mammini, Chair		SONOMA C	SESSION
7:30-8:20	A BROKEN RECHARGE FACILITY, ANGRY CUSTOMERS, & A CONSTRUCTED SOLUTION <i>Eric Braun, Town of Gilbert, AZ</i>		3104
8:30-9:20	HOW TO WRITE THE PERFECT WATER WELL REDEVELOPMENT SPECIFICATION <i>Michael Bodart, General Pump Company, Inc.</i>		3204
9:40-10:30	THREE Ps FOR EFFECTIVE & RESILIENT WATER WELL REHABILITATION - PART 1 <i>Don Hanson, Clear Creek Assoc. and Todd Eden, HCT, LLC</i>		3304
10:40-11:30	THREE Ps FOR EFFECTIVE & RESILIENT WATER WELL REHABILITATION - PART 2 <i>Don Hanson, Clear Creek Assoc. and Todd Eden, HCT, LLC</i>		3404
1:00-1:50	OPERATING DATA & LESSONS LEARNED FROM MICROVI NITRATE REMOVAL SYSTEM <i>Kirsten Sims, WesTech Engineering</i>		3504
2:00-2:50	SLUG TESTS TO OPTIMIZE GROUNDWATER WELL DESIGN <i>Geno Mammini, Clear Creek Associates</i>		3604
3:00-3:50	MONITORING & REPORTING FOR RECHARGE FACILITIES IN NEW MEXICO <i>Lie Hill, Daniel B. Stephens & Associates</i>		3704
SURFACE WATER & WATER TREATMENT Raj Chavan, Chair/Blake Gonska, Co-Chair		NAPA C & D	SESSION
7:30-8:20	USE OF MIXED OXIDANTS TO IMPROVE WQ IN A DISTRIBUTION SYSTEM <i>Robert Newton, Johnson Matthey - MIOX</i>		3105
8:30-9:20	FILTRATION AT ITS FINEST <i>Regina Dennis and Brittany Radke, Stantec</i>		3205
9:40-10:30	ONLINE INSTRUMENT FOR RAW-WATER THM PRECURSOR ANALYSIS <i>Rick Bacon, Aqua Metrology Systems</i>		3305
10:40-11:30	REMOVAL OF PERFLUORINATED CHEMICALS (PFCs) FROM GROUNDWATER <i>Harsh Ashani, Greeley and Hansen and Onur Apul, UMASS Lowell</i>		3405
1:00-1:50	PASS ON THE PEPTO, WE HAVE UV <i>Patrick Bollman, Evoqua Water Technologies</i>		3505
2:00-2:50	LIQUID IONIC COPPER OFFERS 3-FOR-1 AS DRINKING WATER PRE-TREATMENT <i>David Hammond, Earth Science Labs, Inc.</i>		3605
3:00-3:50	ON-SITE HYPOCHLORITE GENERATION: A DISINFECTION ALTERNATIVE <i>Gunnar Thordarson, UGSI Process Solutions</i>		3705
WATER DISTRIBUTION Ken Snow, Chair/Steve Davis, Co-Chair		GRAND BALLROOM A	SESSION
7:30-8:20	UNDERSTANDING WATER SYSTEM DISINFECTION <i>Lie Hill, Daniel B. Stephens & Associates</i>		3111
8:30-9:20	WHAT IS HAPPENING IN THE WORLD OF AMI? <i>Kevin Barnes, Ferguson Waterworks</i>		3211
9:40-10:30	HOW THE CITY OF ELMHURST ATTACKED UFW <i>Paul Burris, City of Elmhurst, IL and Erin Perry, Siemens</i>		3311
10:40-11:30	THE ROLE OF "SMART TANKS" IN DISTRIBUTION WATER QUALITY MANAGEMENT <i>Kevin Sanner and Andrew Seidel, UGSI Solutions</i>		3411
1:00-1:50	DISTRIBUTION SYSTEM MAINTENANCE <i>Lie Hill, Daniel B. Stephens & Associates</i>		3511
2:00-2:50	ICE PIGGING - CLEANING MAINS WITH ICE <i>Keith Jones and Paul Treloar, Suez-Advanced Solutions</i>		3611
3:00-3:50	AIR IN PIPES: CASE STUDIES <i>Chris MacDonald, CPM</i>		3711

2018 TRI-STATE SEMINAR PROGRAM AGENDA

THURSDAY, SEPTEMBER 27, 2018

7:00 A.M. - 7:30 A.M. - JAVA JOLT

11:30 A.M. - 1:00 P.M. - LUNCH

9:20 A.M. - 9:40 A.M. - JAVA JOLT

RECLAIM/REUSE Michael Hansford, Chair		NAPA A & B	SESSION
7:30-8:20	THE FRAMEWORK FOR POTABLE REUSE IN ARIZONA <i>Timothy Thomure, Tucson Water</i>		3109
8:30-9:20	PIPELINE CHALLENGES IN ENVIRONMENTAL AREAS OF CONCERN <i>Rick Allen, BioLynceus Environmental Solutions</i>		3209
9:40-10:30	TERTIARY FREE CHLORINE DISINFECTION DEMO - CITY OF BRENTWOOD WWTP		3309
10:40-11:30	KEEP CALM & CONSERVE: WATER CONVERSATION IN AN ARID ENVIRONMENT <i>Chris Elliott, USMC 29 Palms Environmental Affairs</i>		3409
1:00-1:50	YUMA DESALTING PLANT: PAST, PRESENT, AND FUTURE <i>Luis Cruzado, Bureau of Reclamation</i>		3509
2:00-2:50	INCREASING INFLUENT FLOWS TO GW REPLENISHMENT SYSTEM - OCSD <i>Umesh Murthy, Orange County Sanitation District</i>		3609
3:00-3:50	TURBIDITY METERS FOR DETERMINING CONTINUOUS MEMBRANE INTEGRITY IN MBRs <i>Dave Commons, HACH and Frasier Speaks, City of North Las Vegas NV</i>		3709
WASTEWATER COLLECTIONS Stephen Johns, Chair/Sal Cruz, Co-Chair		SONOMA A & B	SESSION
7:30-8:20	GOLF COURSE SEWER CLEANING SOLUTION <i>Rusty Nezat, Jigawon, Inc.</i>		3102
8:30-9:20	CONFUSIONS AND SOLUTIONS WITH SPECIALTY COATINGS <i>Gregory Wallace, Kerneos, Inc.</i>		3202
9:40-10:30	GRAVITY SEWER REHABILITATION DESIGN <i>Firat Sever, QuakeWrap, Inc.</i>		3302
10:40-11:30	FATS, OILS, AND GREASE CONTROL THROUGH UP-STREAM TREATMENT <i>John Rowe, Office of Water Programs at Sacramento State</i>		3402
1:00-1:50	USING HYDROXLY RADICALS TO TREAT ODORS <i>Jennifer Kirkpatrick, Vapex Environmental Technologies</i>		3502
2:00-2:50	PRE-TREATMENT OF WW STREAMS BY DO ADDITION & SEWAGE AGITATION <i>Jesse Black, Construction Product Marketing</i>		3602
3:00-3:50	HOW A NOVEL PLANT-BASED DEGREASER & LARGE BUBBLE MIXER REDUCED O&M <i>Patrick Antle, Protein Matrix</i>		3702
WASTEWATER TREATMENT LeAnna Risso, Chair		BRUNSWICK ROOM	SESSION
7:30-8:20	MATH MADE EASY AND OTHER LIES -PART 1 (AREAS) <i>Paul Krauth, Statepoint Engineering</i>		3112
8:30-9:20	MATH MADE EASY AND OTHER LIES -PART 2 (VOLUMES) <i>Paul Krauth, Statepoint Engineering</i>		3212
9:40-10:30	MATH MADE EASY AND OTHER LIES -PART 3 (FLOW RATES) <i>Paul Krauth, Statepoint Engineering</i>		3312
10:40-11:30	MATH MADE EASY AND OTHER LIES -PART 4 (DETENTION TIMES) <i>Paul Krauth, Statepoint Engineering</i>		3412
1:00-1:50	MATH MADE EASY AND OTHER LIES -PART 5 (PUMPING HORSEPOWER) <i>Paul Krauth, Statepoint Engineering</i>		3512
2:00-2:50	MATH MADE EASY AND OTHER LIES -PART 6 (DOSING) <i>Paul Krauth, Statepoint Engineering</i>		3612
3:00-3:50	MATH MADE EASY AND OTHER LIES -PART 7 (PUTTING IT ALL TOGETHER) <i>Paul Krauth, Statepoint Engineering</i>		3712

The workbook used last year will be used again this year. If you bought one last year and plan to attend any of the Math sessions, please bring your book with you. A limited supply of workbooks will be available for purchase at the door for \$10 (cash only)

HANG ONTO YOUR BADGE ONCE THE SEMINAR IS OVER, YOU WILL NEED YOUR CONFIRMATION NUMBER TO RETRIEVE YOUR CEU / PDH CERTIFICATE

SAVE-THE-DATE - 35th Annual Tri-State Seminar: September 24-26, 2019

2018 TRI-STATE SEMINAR OPTIONAL TOURS

TUESDAY, SEPTEMBER 25, 2018

TOURS			SESSION
7:30-2:00	HOOVER DAM TOUR (lunch on your own at Dam) <i>Guided Tour</i> Cost: \$65 per person (limited to 54 people)	Bus Loading - South Point	1901

WEDNESDAY, SEPTEMBER 26, 2018

TOURS			SESSION
8:30-3:00	SPRINGS PRESERVE TOUR (lunch on your own at the Preserve) <i>Guided Tour</i> Cost: \$50 per person (limited to 54 people)	Bus Loading - South Point	2901
1:30-3:50	VENETIAN HOTEL AND CASINO TOUR - Robust Recycling Program <i>Guided Tour</i> Cost: \$30 per person (limited to 20 people)	Bus Loading - South Point	2902

THURSDAY, SEPTEMBER 27, 2018

TOURS			SESSION
9:30-11:50	VENETIAN HOTEL AND CASINO TOUR - Robust Recycling Program <i>Guided Tour</i> Cost: \$30 per person (limited to 20 people)	Bus Loading - South Point	3902

2018 TRI-STATE SEMINAR OPTIONAL WORKSHOPS

MONDAY, SEPTEMBER 24, 2018

WORKSHOP CERTIFICATION			SESSION
7:30-3:50	**1-DAY CLASS** NASSCO PACP RE-CERTIFICATION --\$625 <i>Marilyn Shepard, NASSCO Master Trainer</i>	PALM	0813
1:00-3:50	**1/2-DAY CLASS** MS4 COMPLIANCE AND CODE ENFORCEMENT INSPECTOR RE-CERTIFICATION (CCEI) --\$150 <i>T. Luke Owen, NPDES Stormwater Training Institute</i>	CYPRESS	0814

IMPORTANT PACP POLICY

Certification shall be valid for a period of 3 years from the date of issuance. PACP Users who are not re-certified within this 3-year period shall be afforded a 1-year grace period during which they are eligible to attend a re-certification class. If certification lapses beyond the 1-year grace period, those individuals may only become certified by successfully passing the initial PACP Certification Class.

Note:

1. Individuals who are within the 1-year grace period are NOT considered certified.
2. Individuals who were certified in MACP and LACP, but fail to re-certify in PACP within the 1-year grace period, may only be MACP or LACP certified by successfully passing the initial MACP

TUESDAY, SEPTEMBER 25, 2018

WORKSHOP CERTIFICATION			SESSION
7:30-3:50	**2-DAY CLASS** NASSCO PIPES (PACP) CERTIFICATION ASSESSMENT PROGRAM--\$825 <i>(see Thursday workshop listing for MACP & LACP)</i> <i>Marilyn Shepard, NASSCO Master Trainer</i>	PALM	1815
7:30-3:50	**1.5-DAY CLASS** OSHA 10-HOUR CONSTRUCTION COURSE--\$75 <i>Carlos Paiz - Coachella Valley Water District</i>	JOSHUA	1816
7:30-3:50	MS4 COMPLIANCE & CODE ENFORCEMENT INSPECTOR (CCEI)--\$255 <i>T. Luke Owen, NPDES Stormwater Training Institute</i>	CYPRESS	1817

2018 TRI-STATE SEMINAR OPTIONAL WORKSHOPS

WEDNESDAY, SEPTEMBER 26, 2018

WORKSHOP CERTIFICATION

SESSION

7:30-3:50	**2-DAY CLASS** NASSCO PIPES (PACP) CERTIFICATION ASSESSMENT PROGRAM--\$825 <i>(see Thursday workshop listing for MACP & LACP)</i> <i>Marilyn Shepard, NASSCO Master Trainer</i>	PALM	2815
7:30-11:30	**1.5-DAY CLASS** OSHA 10-HOUR CONSTRUCTION COURSE--\$75 <i>Carlos Paiz - Coachella Valley Water District</i>	JOSHUA	2816

THURSDAY, SEPTEMBER 27, 2018

WORKSHOP CERTIFICATION

SESSION

7:30-11:30	NASSCO MACP CERTIFICATION --\$100 <i>(PACP IS A PRE-REQUISITE FOR THIS CLASS)</i> <i>Marilyn Shepard, NASSCO Master Trainer</i>	PALM	3815
1:00-3:50	NASSCO LACP CERTIFICATION --\$100 <i>(PACP IS A PRE-REQUISITE FOR THIS CLASS)</i> <i>Marilyn Shepard, NASSCO Master Trainer</i>	PALM	3816