### WEDNESDAY

#### 2:00 - 2:50 PM

**Pump Station Technologies**  
**Moderator:** Mark V. Pettit  
**LACSD**

- What to do with wipes...  
- Pump it?  Grind it? or Screen it?

**Anton Loof**  
**Oratech Controls**

**G. Paul Schuitt**  
**JWC Environmental**

**John Lewis**  
**Huber**

#### 3:00 - 3:50 PM

**Pumps & Energy Efficiency**  
**Moderator:** Mark V. Pettit  
**LACSD**

- Pump efficiency  
- John Mohr  
- Shape Inc.

- Blower efficiency  
- John McNellis  
- Aero–Mod

#### 4:00 - 4:50 PM

**Advanced Treatment Technologies**  
**Moderator:** Brian Villacorta  
**Coombs Hopkins**

- Biogas Utilization Options  
- Adam Klaas, Unison Solutions

- UV-Peroxide or UV-Chlorine: Which AOP is Right for Your Potable Reuse Project?  
- Adam Festger, TrojanUV

### THURSDAY

#### 12:10 - 1:00 PM

**Is California Water Tech on the Fast Track?**  
**PANEL DISCUSSION**

**Moderators:**

- Stephen Stock  
- E.J. Shalaby, West County Wastewater District

- Michael Tooley, MiscoWATER

- Bruce Zimmerman, Coombs Hopkins

#### 1:10 - 2:50 PM

**Cutting Edge Tech for IPR/DPR Monitoring and Brine Management**  
**Moderator:** Bryan Trussell  
**Trussell Technologies**

- Critical Control Points in DPR: Quantifying the Multi-Barrier Approach to Treatment  
- Bryce Danker, Hazen & Sawyer

- Chlorine and Ozone analyser comparison for DPR considerations  
- Brett Faulkner, Trussell Technologies

- Using Today’s Instruments For Verifying Tomorrow’s IPR/DPR Compliance  
- Davey R. Commons,  
- Hach

- Validation of MBRs for Potable Water Reuse  
- Andy Saleson, Carollo

- Minimizing Reverse Osmosis Brine Disposal Volume at the Valencia Water Reclamation Plant Advanced Water Treatment Facility  
- Dr. Bruce Mannell, LACSD

#### 3:10 - 4:30 PM

**Innovation Water Management System: Sustainable Silicon Valley’s Intelligent Water Reuse Program**  
**PANEL DISCUSSION**

**Moderators:**

- Peter Haase  
- Drew Wenzel

- Bob Hitchner  
- Campus Design Technical Specialist, Google

- Bob Hitchner  
- CMO, Nexus eWater

- Dr. Sebastien Tilmans  
- Director of Operations,  
- Codiga Resource Recovery Center

- Stanford University

### Instructions:

In order to receive Contact Hours/CEUs you must stay for the entire time period (i.e. 1:40-2:30PM) and have this form stamped at the end of each 50 minute time period. CWEA Contact Hours are available for Technical Tours. Stamps will be given out at the end of the tour. Stamps will not be given out any other times. Please note Contact Hour forms will not be stamped after the session has ended. Sessions approved for SWRCB WW have a green square. Sessions approved for SWRCB DW have a blue square.
**WEDNESDAY APRIL 27th • OPENING GENERAL SESSION**

**Building Extraordinary Results Through Strategic Conversations, Mutuality and Partnerships**

**WEDNESDAY AFTERNOON DEEP DIVES**

**Break**

Whether you want to be a General Manager, would like to be promoted within your organization, or simply want to be more effective in leading your current team, this session is for you. Managing tomorrow’s utility will require a particular set of skills, knowledge and abilities that go beyond core technical competence. This session will feature general managers, directors and others sharing their experience, advice and insights for the steps you can take today toward your goal to be a keynote leader. Lawsuits challenging public agency compliance with environmental laws are a widespread reality in today’s world. Being a “good actor” is no guarantee that your agency will not be targeted. This session will bring together lawyers, agency staff, and other experts to explain this trend and help attendees understand their roles in defending their agencies—before, during and after a lawsuit is filed. As regulatory pressures increase, the workforce becomes more diverse, and everyone is encouraged to “do more with less,” utility management becomes increasingly challenging. Come learn about cutting-edge management programs and techniques from guest speakers from the Bay Area and beyond, and help make your organization efficient and successful.

**Breaks are sponsored by Brown & Caldwell**

**Key Attributes of Tomorrow’s Leaders**

Dr. Rita Giacalone, Dewpoint Consulting

- **Understanding and Developing Your Leadership Style**
  - Day in the Life of a General Manager
    - Jason Warner, General Manager, Oro Loma Sanitary District
  - What I look for in a General Manager
    - Jean Mariani, President, Board of Directors, Novato Sanitary District

**Engaged Learning and Adult Education for Effective Utility Management**

- **Citizen Suit and State Water Board Enforcement Overview**
  - Nicole Greenfield, Downey Brand: Mayors’ Office of Enforcement, State Water Resources Control Board

**Planning for the Future at OCSD**

- **Rich Spencer, OCSD**

**Risks to Opportunity: Lessons from the Coca-Cola Company Sustainability Journey**

- **Paul Bowen, WEF President**

**Utility of the Future**

- **A Risk Management Approach to Succession Planning**
  - Donna Wies Consulting

**Breaks are sponsored by Brown & Caldwell**

**Continues...**

**Wrap Up & Take Aways**

- **Preventative Maintenance: Spill Reporting & Managing Your System**
  - Mike Sullivan and Ajay Mehta, LCSO

- **Business Performance Management for Utilities of the Future**
  - Elizabeth Lowell, HDR

- **A Risk Management Approach to Succession Planning**
  - Donna Wies Consulting

- **Engaged Learning and Adult Education for the Utility of the Future and Building Sustainability**
  - Jim Fiedler, SCVWD and Jeff Hurt, Velvet Chainsaw

**See schedule on first page.**

**Breaks are sponsored by Brown & Caldwell**

**4:30 PM FREE EXHIBITORS RECEPTION INSIDE THE CALIFORNIA WATER TECHNOLOGY EXHIBITION**
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>10:00 - 11:00 AM</td>
<td>Leading Edge Research of Direct Potable Water Reuse</td>
<td>Andrew Salveson, Carollo Engineers</td>
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<td></td>
<td>Drought and Water Conservation: The Impact on Wastewater Characterization and Plant Performance</td>
<td>Michael Falk, HDR</td>
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<td>Solutions for Acceptance: Using Education to Reduce the Ick-Factor and Increase Understanding</td>
<td>Liz Moody, Cannon</td>
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<td>Introduction and the Importance of Reuse/Recycled Water and Use of Defined Substrate Technology for the Detection of Indicator Bacteria</td>
<td>Gil Dichter, Idexx Laboratories</td>
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<td>Making the Grade: Simplified Math for ECIs</td>
<td>Kent O. McIntosh, Los Angeles County Sanitation Districts</td>
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<td>Sewer Maintenance: From Post It Notes to iPads</td>
<td>Adrain Tasso, Moulton Niguel Water District</td>
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**Break**

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<tr>
<td>11:30 AM to Noon</td>
<td>Adjusting Our Perspective to Potable Reuse</td>
<td>Gary Revoir, tetra tech</td>
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<td>From Drought to El Niño – Managing Climate Impacts on Collection Systems from Low Flows and Water Restrictions to Inflow/Infiltration</td>
<td>Jon Wells, West Yost Associates</td>
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<td>Reverse 911 is Vital Communication During Sewer Emergencies</td>
<td>Don E. Wasko, Carlibled Utilities</td>
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<td>Using Microbial Source Tracking in TMDLs, BMP and Stormwater Management</td>
<td>Grace Anderson, Source-Molecular Corporation</td>
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<td>Acoustic Testing Program at the City of Santa Barbara</td>
<td>Lisa Arroyo, City of Santa Barbara</td>
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<td>Thermal Conversion to Energy &amp; Biochar</td>
<td>Steve Wirtel, Kore Infrastructure</td>
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<td>Public/Private Partnership Model for Success (ames Doroba, Lyondell Basell)</td>
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<td>Potable Reuse Demonstration Testing at the Silicon Valley Advanced Water Purification Center</td>
<td>Hossein Askorbal, Santa Clara Water District</td>
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**FREE BUFFET LUNCH INSIDE THE EXHIBIT HALL**

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<td>11:30 AM</td>
<td>Special Session: The Future is Now Downstream: The San Francisco Bay Michael Price, MWH Andre Gharagozian, Recycled Water A Case Study in on Wastewater Carollo Engineers Paul Friedlander, Water Resource Wes Hartmann, Data Driven: How We Can Kicking It A-B System Optimization Problems – The Use Turning Data Into Leverage Data to Distributions To Predict Potable and the Future Carollo Engineers The Big Data How We Can Use Quality Assurance Solutions Quality Assurance Solutions What to Expect from State Water Resources Mission City Mtg CA ELAP's QA Pretreatment Staff Have to Wear Many Hats Chemistry to Identify Tackling the Many Directions To Predict Potable and the Future Carollo Engineers Steve Swanback, Lance Salerno, Paul Louis Manager?</td>
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As water professionals in drought-stricken California, building trust with all of our stakeholders—agriculture, businesses, citizens, government, institutions, nonprofit organizations, and the public at large—is the first step in moving everyone into shared action. It all starts with our conversations—those inward voices that we often listen to first, then those around us including those on our team, those we work for, and our stakeholders.

Conversations are not what we think they are. We think they are about talking, sharing information, telling people what to do, or telling others what’s on our mind. We now know through cognitive and neurological research, that a conversation goes deeper and is more robust than traditional information sharing.

Building upon the “Collection System Boot Camp 101” workshop presented at the Northern Regional Training Conference in September 2015, this session will help take your collection system maintenance skills to the next level. Delve into the finer points of cleaning and root control, lift station maintenance, and overflow response.

Learn about what happens after CCTV data is collected, how to use PACP ratings to identify capital improvement and repair products, pipeline rehabilitation and construction methods, and much more.

This workshop will focus on how to assess, plan for, and execute a successful condition assessment and rehabilitation program for concrete structures related to wastewater treatment plants and wastewater pump stations. Many municipalities and agencies have aging infrastructure and are faced with trying to determine how best to assess and fix the situation while maintaining a functioning facility.

This presentation will cover how to identify problem areas, assess the severity of the damage, gain an understanding of how much time you have to do something, discuss methods for determining what level of repair is needed, identifying what types of things can be done to improve the structure, and discussing approaches for doing the improvements.

From prolonged drought to El Niño, the "average year" may be a thing of the past. Learn how climate change is affecting wastewater utilities and its potential impacts on design, operations, rates, and more. Be better prepared for weather extremes by becoming more flexible and responsive to changing conditions.

Effective rates for water, wastewater, and stormwater are critical for the overall success and financial stability of a utility. Hear from California’s premier rate experts and lawyers. This one-day multiple session workshop provides a basic outline and update on water, wastewater and stormwater rates. This includes various aspects of developing and adopting new rates:

• How they are prepared
• Key technical components that must be included,
• How they can be used to address infrastructure liabilities,
• Current legal directions based on recent court decisions, and
• Related topics such as advice on how to handle the politics and public outreach.

Speakers include utility managers, attorneys, and rate practitioners who are currently immersed (no pun intended) in utility rates.