

Annual Conference 2016 Workshops Santa Clara Convention Center					
	W1: Building Trust and Having Strategic Conversations	W2: Collection Systems Bootcamp 201	W3: O&M – Condition Assessments and Repair and Replacement Programs	W4: Climate Extremes The New Normal	W5: Water, Wastewater and Stormwater Rates Everything You Want to Know
Room					
9:00 AM to 4:00 PM	<p>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.</p> <p>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.</p>	<p>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.</p> <p>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.</p>	<p>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.</p> <p>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.</p>	<p>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.</p>	<p>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:</p> <ul style="list-style-type: none"> • 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. <p>Speakers include utility managers, attorneys, and rate practitioners who are currently immersed (no pun intended) in utility rates.</p>

LUNCH IS INCLUDED! JOIN THE TUESDAY EVENING ICE BREAKER SPONSORED BY DUDEK.

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OPENING GENERAL SESSION

Building Extraordinary Results Through Strategic Conversations, Mutuality and Partnerships

 Moderator **Jeff Hurt**, Velvet Chainsaw; Keynote **Kare Anderson**, Author and TED Speaker *Moving From Me to We*

WEDNESDAY AFTERNOON DEEP DIVES

	I Want to be a GM	What Do You Do When a Lawsuit Lands on Your Desk?	Effective Utility Management	Leadership and Succession Planning	Utility of the Future: Building Sustainability
Sponsors	CASA				V&A Consulting Engineers
Room					
1:30 PM to 4:40 PM	<p>The utility of the future wants you! Succession planning is a key focus for wastewater agencies seeking their next generation of leaders. Managing tomorrow's utility will require a particular set of skills, knowledge and abilities that goes 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 wastewater leader.</p>	<p>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.</p>	<p>As regulatory pressures increase, the workforce becomes more diverse, and everyone is encouraged to "do more with less," utility management is becoming an increasingly challenging endeavor. 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.</p>	<p>The last of the Baby Boomers are heading toward retirement, and preparing for their departure is critically important to your organization's continued success. Learn from special invited guest speakers how to avoid "brain drain" and be ready for coming changes by identifying the next generation of leaders and preparing them for continued success.</p>	<p>Building upon the Utility of the Future Deep Dive session from the 2015 conference, this session will focus on sustainability. Learn about how forward-thinking ideas from the private sector are being and can be incorporated into public sector utility operations and management. Hear from WEF President Paul Bowen and other invited speakers about what utilities around the state are doing to be "green."</p>

4:30 PM FREE EXHIBITORS RECEPTION INSIDE THE CALIFORNIA WATER TECHNOLOGY EXHIBITION

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	Water Resource Recovery of the 21st Century	Extreme Weather: El Niño	Communicating with the Public	Addressing Water Quality Issues and Concerns	Environmental Compliance Exams: Updates & Prep	Maintaining the Collection System	Emerging Trends in Biosolids Management	ABCs of Learning: Advancing Learning, The Brain & Competitive Edge	Nutrient Removal
Sponsors									
Room									
8:50 to 9:40 AM	Potable Reuse Regulatory Updates State Water Resources Control Board	El Niño: the Prep, the Reality, and the Aftermath Todd Novacek, Moulton Niguel Water District	Challenges of Advancing Potable Reuse: San Diego's Lessons Learned John Helminski & Brent Eidson, City of San Diego	Understanding Data Qualifiers Bill Ray, William Ray Consulting	Update on the ECI Certification Chris Lundeen & Vivien Malig, CWEA	Flushables: the New "F" Word: A Chronically Clogging Pump Station Case Study Jeff Coyne, MWH Mitigation of Pump Ragging Mark V. Pettit, LACSD	The future of biosolids has many options - which one is right for your facility type, size and risk tolerance? Greg Chung, West Yost Associates	ABCs Of Learning: Advancing Learning, The Brain And The Competitive Edge Jeff Hurt Velvet Chainsaw Consulting	San Francisco Bay Area Nutrient Permit: Streamlining Cost Effective Strategies for Reducing Nutrient Loads David Williams, BACWA
Break	Breaks are sponsored by Brown & Caldwell								
10:00 to 10:50 AM	Leading Edge Research of Direct Potable Water Reuse Andrew Salvesson, Carollo Engineers	Drought and Water Conservation: The Impact on Wastewater Characterization and Plant Performance Michael Falk, HDR	Solutions for Acceptance: Using Education to Reduce the Ick-Factor and Increase Understanding Liz Moody, Cannon	Introduction and the Importance of Reuse/ Recycled Water and Use of Defined Substrate Technology for the Detection of Indicator Bacteria Gil Dichter, Idexx Laboratories	Making the Grade: Simplified Math for ECIs Kent O. McIntosh, Los Angeles County Sanitation Districts	Sewer Maintenance - From Post it Notes to iPads Adrian Tasso, Moulton Niguel Water District	Beginning a Complete Renewal of San Jose's Solids Processing Center Mariana Chavez Vazquez, City of San Jose	Continues...	Operational Experience with Sidestream Nitrogen Treatment Ronald Latimer, Hazen Sawyer Dramatically Reducing Total Phosphorus - The Windsor Story Irene Chu, Hazen Sawyer
Break	Breaks are sponsored by Brown & Caldwell								
11:10 AM to Noon	Adjusting Our Perspective to Potable Reuse Gary Revoir, Tetra Tech	From Drought to El Niño – Managing Climate Impacts on Collection Systems from Low Flows and Water Restrictions to Inflow/ Infiltration Jon Wells, West Yost Associates	Reverse 911 is vital communication during sewer emergencies Don B. Wasko Carlsbad Utilities	Using Microbial Source Tracking in TMDLs, BMP and Stormwater Management Grace Anderson Source Molecular Corporation	Making the Grade: Simplified Math for ECIs Kent O. McIntosh, Los Angeles County Sanitation Districts	Acoustic Testing Program at the City of Santa Barbara Lisa Arroyo, City of Santa Barbara	Thermal Conversion to Energy & Biochar Steve Wirtel, Kore Infrastructure A Public/Private Partnership Model for Success James Dunbar, Lystek International	Continues...	Potable Reuse Demonstration Testing at the Silicon Valley Advanced Water Purification Center Hossein Ashktorab, Santa Clara Valley Water District

FREE BUFFET LUNCH INSIDE THE EXHIBIT HALL Sponsored by Dudek.

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	Water Resource Recovery and Reuse: The Future is Now	The Big Data Challenge Operations and the Future	Operations and the Future	California ELAP: What it Means	P3S Tackling the Many Challenges	Collection System of the Future	Beyond the Basics of Biosolids	Taking the Technicalities out of Technical Presentations	Improving Treatment Processes
Sponsors									
Room									
1:30 to 2:20 PM	Meeting Multiple Recycled Water Challenges from a Limited Site Michael Price, MWH	T.B.D.	From Operator to Manager: Navigating Your Career Steve Swanback, Carollo Engineers	What to Expect from the Reorganized California ELAP Christine Sotelo, State Water Resources Control Board	It's Official: Pretreatment Staff Have to Wear Many Hats Christine Wong & Chuck Durham, Tetra Tech	Collection System of the Future - A Roadmap to Excellence in Wastewater Collection System Management (Part 1) Vivian Housen, V. W. Housen & Associates	High Performance Digesters: Can You Handle It? David Parry, CH2M Digester Gas to Fuel Mike Barnes, Kennedy/Jenks Consultants	How To Be A Bodacious, Wicked, Totally Tubular Technical Presenter And Keep Your Technical Presentations From Suffering From POOH! Jeff Hurt, Velvet Chainsaw	Innovations in Wastewater Disinfection Technologies Kati Bell, MWH
Break	Breaks are sponsored by Brown & Caldwell								
2:40 TO 3:30 pm	A Case Study in Maximizing Recycled Water Use to Reduce Nutrient Loads to the SF Bay Andre Gharagozian, Carollo Engineers	Turning Data Into Action to Drive System Optimization and Performance Jeff Neeman, Black & Veatch	Can You Manage Your Manager? Paul Louis	CA ELAP's QA Requirements: Models for Best Practices Part I Diane Lawver, Quality Assurance Solutions	Case Study: Using Trace Chemistry to Identify Sewage Pollution in Storm Water Jennie Munster & Fred Baker, City of Santa Cruz	Collection System of the Future, Part II – Succession Planning Donna Wies, Donna Wies Consulting	Kenosha's Energy Optimized Resource Recovery Curtis Czamecki, Kenosha Water Utility Innovations in Anaerobic Digesters Rashi Gupta, Carollo Engineers	Continues...	Raking in the Big Stuff at Silicon Valley Aren Hansen, Brown and Caldwell
Break	Breaks are sponsored by Brown & Caldwell								
3:50 to 4:40 PM	Kicking It Downstream: The Effect of Water Treatment Residuals on Wastewater and Recycled Water Paul Friedlander, Carollo Engineers	Mo- Data Less Problems- the use of statistical tools and probability distributions to predict potable reuse water quality Austa Parker, Carollo Engineers	Plant staff readiness for the commissioning of new treatment plant systems Lance Salerno, Brown and Caldwell	CA ELAP's QA Requirements: Models for Best Practices Part II Diane Lawver, Quality Assurance Solutions	Failing Storm System on Cutting Edge of LID? Or Thinking Inside the Box? Robert Englent, City of Modesto	A Vision for the Collection System of the Future and Lessons Learned and Insights From Over 75 Years of Experience Denis Pollak, VA Engineering and Dave Badgley, Consultant	Developing Tools to Predict the Side Effects of Co-Digestion Ganesh Rajagopalan, Kennedy/Jenks Consultants A Comparison of WAS-Only Versus Primary+WAS Thermal Hydrolysis Pretreatment to Mesophilic Anaerobic Digestion Drury Whitlock, CH2M	Continues...	Effects of Flow Equalization on BNR's Energy and Carbon Footprints Nasir Emami, City of LA Mitigating the Proliferation of Snail Growth Within Trickling Filters Margil Jimenez and Nasrin Nasrollahi, OCSD

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	Planning Ahead to Get Ahead: From Condition Assessments to Asset Management	Conquering Challenges in Today's World	A New Era of Water Resource Recovery Takes the Forefront: Potable Reuse	Resource Recovery for the Utility of the Future	Leveraging the Operations and Engineering Nexus	Adapting to the New Normal	Improving Treatment Processes
Sponsors							
Room							
8:50 to 9:40 AM	Capital Planning on a Budget: Risk-Based Collection System Condition Assessment Using State-of-the-Art Technology Christopher Peters, Brown and Caldwell	Prop 1 Regulatory Update Kyle Ochendusko State Water Resources Control Board	Can MBRs Replace MF/UF in Potable Reuse - Implementation Concerns? Dr. Ufuk Erdal, CH2M	Assessing Resource Recovery as a Component of Treatment Plants of the Future Wendell O Khunjar, Hazen and Sawyer	Design-Build at a WWTP? Effectively Incorporating Operations Input (Lessons Learned) Jeff Pelz, West Yost Associates	How to Conduct Your Own Risk Analysis for Prioritizing Sewer CIP Projects Andrew Baldwin, RMC Water and Environment	Re-evaluating State-Point Analysis with Ballasted Mixed Liquor Systems Nathan Antonneau, EVOQUA Dewatering recycles management using existing and new facilities, alternatives evaluation and site planning Dr. Zeynep Erdal, CH2M
Break	Breaks are sponsored by Brown & Caldwell						
10:00 to 10:50 AM	Applied Asset Management: Lessons for Performance-Based Regulatory Compliance Katherine Hayden, Ross Valley Sanitary District	Overcoming Regulatory Challenges Andrew Damron and Jeff Tucker, Napa Sanitary District	Potential Nutrient Discharge Limits: Silver Lining for Potable Reuse? Michael Falk, HDR	Filtration as an advanced primary treatment method to save energy and increase plant capacity Onder Caliskaner, Kennedy/Jenks Consultants	Input to the People – Involving Frontline Staff in \$1+B of Capital Improvement Projects Steve Walker, Carollo Engineers	Impacting your Non-Revenue Water through Water Loss Control Michael Simpson, M.E. Simpson Co.	Mainstream Deammonification Using the ANITA Mox Process Brad Mrdjenovich, Veolia
Break	Breaks are sponsored by Brown & Caldwell						
	Smart Asset Data Management Promotes Smart Operations and Maintenance at Regional San Michael Harrison, Brown and Caldwell	Meeting Water Resource Objectives: One Street at a Time Melanie Mills, Cannon	Framework for Direct Potable Reuse in the San Fernando Valley Mario Acevedo, Los Angeles Department of Water and Power	Take Control of Your Energy Future: How WERF Research, Best Practices and Alternate Delivery combine to accelerate the path to Energy Neutrality Ralph Eschborn, AECOM	T.B.D.	Where's the Rain? Impacts from the Drought on Wastewater Treatment Seppi Henneman, Brown and Caldwell	Biological Nutrient Removal Process Intensification Through Induced Biomass Granulation Julian Sandino, CH2M

CWEA AWARDS LUNCHEON. Sponsored by Dudek.

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