

CONFERENCE PROGRAM AND REGISTRATION



WATERREUSE

CALIFORNIA ANNUAL CONFERENCE

REUSE: THE NEW NORMAL



March 13-15, 2016

Hyatt Vineyard Creek
Hotel & Spa
Santa Rosa, CA

WaterReuse.org

Sunday, March 13, 2016

12:00 p.m. - 5:30 p.m.	Registration Open		
1:00 p.m. - 5:00 p.m.	Technical Tour: Salt Marsh Tour and Wine Tasting – Gundlach Bundschu Winery (Additional Fees Apply)		
Technical Sessions	A1: WRF Advancing Research	B1: Surviving and Thriving in Times of Drought	C1: On-Site Reuse
1:00 p.m. - 1:30 p.m.	Confidence When Detection is Most Important: Surrogate Monitoring Performance for Pathogen Removal <i>Jeannine Larabee and Hossein Ashktorab, Santa Clara Valley Water District</i>	One Water, Under the Sun, Raising Fish and Growing Lawns <i>Joshua Reynolds, Water Systems Consulting</i>	Real-World Applications of Sustainable Greywater Reuse <i>Jeff Pringle, Orenco Systems</i>
1:30 p.m. - 2:00 p.m.	Update on the Impacts of Blending Location on Implementing Direct Potable Reuse <i>Andy Salveson, Carollo Engineers</i>	Building Drought Tolerant Reuse Options into Water Supply Plan <i>Erin Mackey, Brown and Caldwell</i>	Panel Discussion: Two Sides of the Same Coin: Onsite and Centralized Water Reuse As cities across California have embraced water recycling, many residents, industries and institutions have begun capturing and treating their own wastewater for use onsite. Panelists representing a cross-section of the profession will discuss how communities can benefit from both centralized and decentralized water reuse.
2:00 p.m. - 2:30 p.m.	Sources of N-Nitrosodimethylamine in Potable Reuse <i>Eric Dickenson, Southern Nevada Water Authority</i>	Potential Nutrient Discharge Limits: Silver Lining for Potable Reuse? <i>Michael Falk, HDR</i>	
2:30 p.m. - 3:00 p.m.	Potable Reuse Reliability Through Enhanced Treatment and Monitoring <i>Shane Trussell, Trussell Technologies</i>	Overcoming Legal and Regulatory Hurdles for Maximizing Water Resources with Reuse Projects <i>Wes Miliband, Stoel Rives LLP</i>	
3:00 p.m. - 3:30 p.m.	Networking Break		

Sunday, March 13, 2016 (continued)

Technical Sessions	A2: The Academic Approach	B2: Reuse in Wine Country	C2: Panel Discussion – The Path to Zero Discharge
3:30 p.m. - 4:00 p.m.	<p>CR2C- A Cutting Edge Facility to Fast-Track Adoption of Resource Recovery Tech</p> <p>Sebastien Tilmans, William and Cloy Codiga Resource Recovery Center, Stanford University</p>	<p>Recycled Water, Essential Element for Addressing Water Management</p> <p>Kevin Booker, Sonoma County Water Agency</p>	<p>Panel Discussion:</p> <p>As the water equation becomes more complex public water utilities must plan for a multitude of potential futures while balancing the needs of all stakeholders. This panel will discuss potential opportunities and challenges of minimizing discharge and meeting ratepayer and recycled water customer needs while maintaining regulatory compliance and climate related resiliency.</p> <p>Mike Prinz, City of Santa Rosa</p> <p>Jennifer Burke, City of Santa Rosa</p>
4:00 p.m. - 4:30 p.m.	<p>Flow Cytometry and Metagenomics in Pilot-DPR: Bacterial Persistence and Regrowth</p> <p>Scott Miller, University of California, Berkeley</p>	<p>From Concept to Reality - Recycled Water for Vines and Residents Comes True!</p> <p>John Stewart, Los Carneros Water District</p>	<p>Urban Reuse Partner</p> <p>Agricultural Reuse Customer</p> <p>Calpine Representative</p>
4:30 p.m. - 5:00 p.m.	<p>Water Reuse Issues, Developments and Challenges in Europe</p> <p>Thomas Wintgens, University of Applied Sciences Northwestern Switzerland</p>	<p>Recycled Water Strategic Planning leads to successful implementation for NSD</p> <p>Andrew Damron, Napa Sanitation District</p>	<p>Urban Reuse Partner</p> <p>Agricultural Reuse Customer</p> <p>Calpine Representative</p>
5:00 p.m. - 6:30 p.m.	Welcome Reception		

Monday, March 14, 2016

7:30 a.m. - 3:30 p.m.	Registration Open		
7:30 a.m. - 3:30 p.m.	Exhibit Hall Open		
7:30 a.m. - 8:30 a.m.	Continental Breakfast		
8:30 a.m. - 9:30 a.m.	Opening Session		
9:30 a.m. - 10:00 a.m.	Networking Break		
9:30 a.m. - 10:00 a.m..	Poster Sessions		
Technical Sessions	A3: Direct Potable Reuse	B3: O&M Headaches and Heartaches	C3: The 123s of CECs
10:00 a.m. - 10:30 a.m.	Status of the NWRI Expert Panel for California on Direct Potable Reuse <i>Jeff Mosher, National Water Research Institute</i>	Building a Framework for Potable Reuse Operator Certification in California <i>Wendy Broley, Brown and Caldwell</i>	The Organics Conundrum: A Strategy to Prioritize and Understand Risks from CECs <i>Rhodes Trussell, Trussell Technologies</i>
10:30 a.m. - 11:00 a.m.	Investigating the Applicability of Decentralized Direct Potable Reuse <i>Sandeep Sathyamoorthy, Black & Veatch</i>	Blinded by the Light: UV Audits Illuminate A Better Way for Reuse UV Implementation <i>Traci Brooks, Carollo Engineers</i>	Panel Discussion: Explaining CECs to the Public: Is it necessary? If so, How and When? Potable reuse projects are on the rise – yet CECs remain a concern for many in the public as well as public officials. How do we acknowledge that CECs are present yet not harmful? This panel will explore; questions being asked, where are we with CECs, what is needed next to best communicate to public.
11:00 a.m. - 11:30 a.m.	The City of Ventura's Journey to Potable Reuse <i>Elisa Garvey, Carollo Engineers</i>	Good Process Control and Monitoring Strategies at WWTPs in DPR Projects <i>Ufuk Erdal, CH2M</i>	
11:30 a.m. - 12:00 p.m.	A Case Study of Potable Reuse in CA: Economic, Environmental, and Social Impacts <i>Ben Stanford, Hazen and Sawyer</i>	Water Purification in Silicon Valley – An Operations and Maintenance Perspective <i>Pam John, Santa Clara Valley Water District</i>	
12:00 p.m. - 1:30 p.m.	Awards Luncheon and Annual Membership Meeting		

Monday, March 14, 2016 (continued)

Technical Sessions	A4: Piloting – Seeing is Believing	B4: Partnerships in Many Forms	C4: Panel Discussion – CEQA Breakdown
1:30 p.m. - 2:00 p.m.	<p>Direct-to-Distribution DPR: Pilot Test Results</p> <p><i>Brent Alspach, ARCADIS</i></p>	<p>Taking on Regulatory & Stakeholder Outreach on a Regional Level</p> <p><i>Maria Mariscal, San Diego County Water Authority</i></p>	<p>Panel Discussion:</p> <p>Every recycled water project in California must run the gauntlet of the environmental review process. Drawing from recent experience on high profile water reuse projects, this panel of five distinguished CEQA/NEPA practitioners will provide insights on successfully navigating this critical part of project implementation. Focus will be on projects with unique engineering and agency coordination issues, including indirect potable reuse, and recent CEQA legislation.</p> <p><i>Valerie Young, Hazen and Sawyer</i></p> <p><i>Pat Collins, GHD</i></p> <p><i>Robin Corr, RMC Water and Environment</i></p> <p><i>Alison Imamura, Denise Duffy & Associates</i></p> <p><i>Alisa Moore, ESA Associates</i></p>
2:00 p.m. - 2:30 p.m.	<p>UV/HOCl for 1,4-dioxane Removal at 1MGD Potable Reuse Demonstration Facility</p> <p><i>Aleks Pisarenko, Trussell Technologies</i></p>	<p>Public-Private Recycled Water Projects – A California Case Example</p> <p><i>Jonathan Keck, California Water Service Company</i></p>	
2:30 p.m. - 3:00 p.m.	<p>Using Short Term SAT for NF/RO Pretreatment to Reduce the Cost of Potable Reuse</p> <p><i>Larry Schimmoller, CH2M</i></p>	<p>One Water LA: Picking Low Hanging Fruit to Ensure Collaboration and Resiliency</p> <p><i>Doug Walters, City of Los Angeles, Bureau of Sanitation</i></p>	
3:00 p.m. - 3:30 p.m.	Networking Break		
3:00 p.m. - 3:30 p.m.	Poster Sessions		

Monday, March 14, 2016 (continued)

Technical Sessions	A5: Surface Water Augmentation	B5: High Tech and High Profile Customers	C5: Panel Discussion – Monterey Story
3:30 p.m. - 4:00 p.m.	<p>Back to Basics: Developing Reservoir Augmentation Regulations Based on the SWTR</p> <p>Alyson Watson, RMC Water and Environment</p>	<p>Dominguez Technology Center - a Mine Field of Issues Converting Recycled Water</p> <p>Joe Walters, West Basin Municipal Water District</p>	<p>Panel Discussion:</p> <p>A reuse project creating potable water for urban users and irrigation supplies for agriculture, Pure Water Monterey relies on a multi-region, multi-agency, multi-benefit framework. This panel focuses why building a stakeholder coalition is crucial to acceptance and how proper strategy can allow your project it's best chance of success</p>
4:00 p.m. - 4:30 p.m.	<p>The Pure Water Program – One Integrated Solution to San Diego's Wastewater and Drinking Water Challenges</p> <p>Halla Razak, Julie Labonte and John Helminski, City of San Diego</p>	<p>Retrofitting Google: An Update Using Recycled Water Hardware</p> <p>Tanner Bennett, Kennedy/Jenks Consultants</p>	
4:30 p.m. - 5:00 p.m.	<p>Dual Pursuit of Surface Water Augmentation and Groundwater Recharge at Padre Dam</p> <p>Brian Pecson, Trussell Technologies</p>	<p>Progression of the Residential Fill Station Phenomena</p> <p>Stefanie Olson, Dublin San Ramon Services District</p>	
5:00 p.m. - 7:00 p.m.	<p>President's Reception - Local Wine Tasting Event</p>		

Tuesday, March 15, 2016

8:00 a.m. - 12:00 p.m.	Registration Open		
8:00 a.m. - 9:30 a.m.	Gordon Cologne Breakfast		
9:30 a.m. - 12:00 p.m.	Exhibit Hall Open		
9:30 a.m. - 10:00 a.m.	Networking Break		
9:30 a.m. - 10:00 a.m..	Poster Sessions		
Technical Sessions	A6: Groundwater Recharge Reuse	B6: Treatment Technology Innovations	C6: Funding and More
10:00 a.m. - 10:30 a.m.	<p>Issues and Enhancements of the expanded 100 mgd Groundwater Replenishment System</p> <p><i>Mehul Patel, Orange County Water District</i></p>	<p>Next Generation Hybrid-Membranes: Changing the Game of Membrane Technologies</p> <p><i>Trevor Shackelford, Anaergia Services</i></p>	<p>Identifying Recycled Water Research Funding Priorities</p> <p><i>Claire Waggoner, State Water Resources Control Board</i></p>
10:30 a.m. - 11:00 a.m.	<p>Recharge Palmdale: The Multiple Benefits of Potable Reuse Water Banking</p> <p><i>Paul Tinhpheng, Kennedy/Jenks Consultants</i></p>	<p>Maximizing Pathogen Removal Credits for NF and RO Systems in Direct Potable Reuse</p> <p><i>Jim Lozier, CH2M</i></p>	<p>Funding for Recycled Water Projects in the Bay Area through the IRWM Program</p> <p><i>Linda Hu, East Bay Municipal Utility District</i></p>
11:00 a.m. - 11:30 a.m.	<p>Purified Water Injection Provides Drought Storage and Environmental Benefits</p> <p><i>Todd Reynolds, Kennedy/Jenks Consultants</i></p>	<p>Low-Cost Wastewater Facility Modifications for More Cost-Effective Potable Reuse</p> <p><i>Michael Falk, HDR</i></p>	<p>MWD to the Rescue! Maximizing the On-Site RW Retrofit Incentives in San Clemente</p> <p><i>Kraig Erickson, RMC Water and Environment</i></p>
11:30 a.m. - 12:00 p.m.	<p>Artificial Sweeteners Sucralose and Ace-K as Compliance Parameters for IPR?</p> <p><i>Ted Johnson, Water Replenishment District of Southern California</i></p>	<p>Novel Control Approach for UV AOPs for Potable Reuse - Dose vs. EED</p> <p><i>Jens Scheideler, Xylem</i></p>	<p>Salt and Nutrient Management Planning in California and The State Water Board's Recycled Water Policy</p> <p><i>Scott Couch, State Water Resources Control Board</i></p>
12:00 p.m. - 2:00 p.m.	Town Hall Plenary Session and Luncheon		
12:00 p.m. - 4:00 p.m.	Technical Tour: Geyser Tour (Additional Fees Apply)		

A high-speed photograph of water being poured from a source at the top left into a clear wine glass. The water is captured in mid-pour, creating a dynamic, curved stream that splashes into the glass, forming numerous bubbles and ripples. The background is plain white, making the blue-tinted water stand out.

POSTER PRESENTATIONS

Appropriate Technology Solutions for Addressing Drinking Water Challenges in Rural India
Prasada Raju

Managing Health Risk using the Critical Control Point Methodology
Troy Walker, Hazen and Sawyer

Recent Advances in the Study of Emerging Contaminants in our Water Supply
Hanoz Santoke, California State University, Bakersfield

Tending Your Living Roof Using Recycled Water
Robert Wilson, City of Petaluma

Tradeoffs in RO Feed Conditioning to Prevent Phosphate Scaling in Potable Reuse
Michael Adelman, MWH

West Basin's Universal Membrane System – PVDF Options Abound.
Don Zylstra, West Basin Municipal Water District

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CONTACT INFORMATION

LAST NAME		FIRST NAME AS IT SHOULD APPEAR ON YOUR BADGE		
TITLE		ORGANIZATION		
ADDRESS	CITY	STATE/PROVINCE	POSTAL/ZIP CODE	COUNTRY
PHONE	FAX	E-MAIL ADDRESS	CC: E-MAIL ADDRESS	

ADDITIONAL INFORMATION

- This is my first California Section Conference
 I have the following dietary restrictions: _____

REGISTRATION FEES: <small>Please circle all fees that apply.</small>	<small>On or before 1/29/16</small>	<small>1/30/16 - 2/26/16</small>	<small>Onsite Registration After 2/26/16</small>
WaterReuse Association Members	\$400	\$450	\$500
Nonmembers	\$500	\$550	\$600
Speaker Registration	\$250	\$300	\$350
One Day Rate – Sunday	\$175	\$225	\$275
One Day Rate – Monday	\$250	\$300	\$350
One Day Rate – Tuesday	\$175	\$225	\$275
Full Time Student – Monday Only*	\$50		
Full Time Student – Tuesday Only*	\$50		

* discounted student fee limited to 50 students

TECHNICAL TOUR

- Salt Marsh Tour and Wine Tasting – Gundlach Bundschu Winery (Sunday) **\$55**
 Geyser Tour (Tuesday) **\$45**

GUEST TICKETS

- Guest at Sunday's Welcome Reception **\$30** _____
GUEST NAME
- Guest at Monday's Awards Luncheon **\$25** _____
GUEST NAME
- Guest at Monday's President's Reception **\$40** _____
GUEST NAME
- Guest at Tuesday's Gordon Cologne Breakfast **\$20** _____
GUEST NAME

PAYMENT

Full payment must accompany your advance registration form. Your signature below authorizes WaterReuse to charge your credit card the total payment and acknowledges there are no refunds after February 26, 2016.

- Check (payable to WaterReuse)
 Visa
 MasterCard
 AMEX

CARD NUMBER	EXPIRATION DATE	SECURITY CODE		
BILLING ADDRESS	CITY	STATE/PROVINCE	POSTAL/ZIP CODE	COUNTRY
PRINT CARDHOLDER NAME	TOTAL DUE			
SIGNATURE	DATE			

E-mail: ctharpe@watereuse.org
 Scan your registration form and e-mail it to the address above.

Fax to: 703-548-5085
 Faxed registration must be accompanied by full payment.

Mail to: WaterReuse
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WATER REUSE

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