

CONFERENCE SCHEDULE

SUNDAY, SEPTEMBER 11

11:00 am	REGISTRATION OPENS – MARKET STREET FOYER		
12:00 pm – 12:30 pm	<p>POTABLE REUSE SUCCESS STORIES</p> <p>SEACLIFF A-C</p> <p>Sponsor: Tetra Tech</p> <p>Moderator: Zakir Hirani, Stantec</p>	<p>PANEL DISCUSSIONS</p> <p>GRAND C</p> <p>Sponsor: North San Diego Water Reuse Coalition</p>	<p>TOUR</p> <p>SILICON VALLEY ADVANCED WATER PURIFICATION CENTER</p> <p>MARKET STREET FOYER</p> <p>Sponsor: El Dorado Irrigation District</p>
1:00 pm – 1:30 pm	<p>Augmenting Groundwater Aquifers through Direct Injection of Advance Treated Stormwater and Urban Runoff</p> <p>Corey Bracken, Alex Waite, Sunny Wang; City of Santa Monica</p>	<p>Implementing California's First Surface Water Augmentation Project: Lessons from San Diego's North City Pure Water Experience</p> <p>John Carroll, City of San Diego Public Utilities Department</p> <p>Sara Katz, Katz and Associates</p> <p>Doug Owen, Stantec</p> <p>Jeffery Pasek, City of San Diego Public Utilities Department</p> <p>Shane Trussell, Trussell Technologies, Inc.</p>	<p>Bus leaves at 12:15 pm.</p> <p>Lunch will be provided at tour site.</p> <p>Return time is estimated.</p>
1:30 pm – 2:00 pm	<p>GWRS Final Expansion – Squeezing Out the Last Drop</p> <p>Mike Markus and Sandy Scott-Roberts, Orange County Water District</p>		
2:00 pm – 2:30 pm	<p>Valley Water's Planned Potable Reuse Project with Phased IPR and DPR</p> <p>Hossein Ashktorab and Nastaran Basiri, Valley Water</p>		
2:30 pm – 3:00 pm	<p>The Success Story of UV/Chlorine AOP Performance and Control for Indirect Potable Reuse at Pure Water Oceanside, CA</p> <p>Mihaela Stefan, Trojan Technologies</p>		

SUNDAY, SEPTEMBER 11

3:00 pm – 3:30 pm **BREAK – GRAND FOYER**
 SPONSORS: SAN DIEGO COUNTY WATER AUTHORITY AND STANTEC

**AGENCY
 COLLABORATION ON
 REUSE PROJECTS**

SEACLIFF A-C

Sponsor:
 Los Angeles County
 Sanitation District

Moderator:
 Melanie Tan,
 Kennedy Jenks

**PANEL
 DISCUSSIONS**

GRAND C

Sponsor:
 Inland Empire
 Utilities Agency

TOUR

**SILICON VALLEY
 ADVANCED WATER
 PURIFICATION
 CENTER**

3:30 return time is
 estimated.

3:30 pm –
 4:00 pm

**DERWA-Central San
 Diversion Project**

Melody LaBella, Central
 Contra Costa Sanitary Dist

Jan Lee, Dublin San
 Ramon Services District

Florence Wedington,
 East Bay Municipal
 Utility District

**Potable Reuse
 Educational Facilities –
 Lessons Learned and
 Best Practices**

Gina Adriano,
 Valley Water

Gina Ayala,
 Orange County
 Water District

Carrie Del Boccio,
 Woodard & Curran

Stephanie Cuevas
 (invited), Water
 Replenishment District

Eric Eckl,
 Water Words That Work

Rebecca Gold Rubin,
 Soquel Creek Water
 District

4:00 pm –
 4:30 pm

**Navigating the
 Complexities of
 Regional Partnerships
 to Achieve Reuse Goals**

Jeff Noelte, East Valley
 Water District

Rosalyn Prickett,
 Woodard & Curran

Michael Thornton,
 San Elijo JPA

4:30 pm –
 5:00 pm

**A Tale of Two Projects:
 When Does Potable
 Reuse Make Sense?**

Fred Gerringer,
 Hazen and Sawyer

5:00 pm –
 5:30 pm

BREAK – GRAND FOYER

5:30 pm –
 7:00 pm

WELCOME RECEPTION – GRAND FOYER
 SPONSORS: ARCADIS, LAS VIRGENES MUNICIPAL WATER DISTRICT,
 TRUSSELL TECHNOLOGIES, AND WATER REPLENISHMENT DISTRICT

CONFERENCE SCHEDULE

MONDAY, SEPTEMBER 12

7:30 am –
8:30 am

BREAKFAST – GRAND BALLROOM
SPONSOR: DUDEK AND WESTERN MUNICIPAL WATER DISTRICT

8:30 am –
9:30 am

OPENING GENERAL SESSION – GRAND BALLROOM
SPONSORS: CENTRAL CONTRA COSTA SANITARY DISTRICT,
METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA,
MWH CONSTRUCTORS, AND STANTEC
Paul Sciuto, President WateReuse California
Dennis Herrera, General Manager, San Francisco Public Utilities Commission
Dr. David Sedlak, Author, Co-Director of Berkeley Water Center

CONCENTRATE MANAGEMENT

BAYVIEW A

Sponsor:
TORAY
Membrane

Moderator:
Sanjay Reddy,
Carollo

CLIMATE CHANGE RESILIENCY

SEACLIFF AB

Sponsor:
**Central Basin
Municipal Water
District**

Moderator:
Claire Johnson,
Orange County
Water District

EXPANDING & IMPROVING NON-POTABLE REUSE

SEACLIFF CD

Sponsor:
**Woodard &
Curran**

Moderator:
Mark Tetterer,
Irvine Ranch
Water District

PANEL DISCUSSIONS

BAYVIEW B

Sponsor:
Kennedy Jenks

Moderator:
Dawn Taffler,
Kennedy Jenks

9:30 am –
10:00 am

**Collaborative
Approaches
to Find the
Best Available
Technologies
for Concentrate
Management**

Ivy Drexler,
Isle Utilities
Medi Sinaki,
Valley Water

**Quantification of
Carbon for
Potable Reuse in
CA and Potential
Decarbonization
Options**

Gregory Bowden,
Karthick
Narayanaswamy,
and Vijay
Sundaram; AECOM

**Integrating Water
Infrastructure –
Maximize
Existing Assets**

Pedro Hernandez,
Henry Louis, and
Jeff Provenzano;
South Bay Water
Recycling/City of
San José

**Multi-Agency
Potable Reuse:
It's a Marathon,
Not a Sprint**

Negin Ashoori,
BAWSCA
Justin Chapel,
City of Redwood
City
Kim Hackett,
SVCW

10:00 am –
10:30 am

**Climate Modeling
for Concentrate
Management
and Evaporation
Alternatives**

Frederick Tack,
GHD Inc

**Decarbonization,
Sustainability and
Water Reuse:
Managing and
Balancing the
Upstream with
Downstream**

Sandeep
Sathyamoorthy,
Black & Veatch

**LA's Proof-of-
Concept Hyperion
AWPF Informs a
Path for Potable
Reuse**

Christina Becerra
Jones, LA
Sanitation and
Environment
Andrew Lazenby
and Erin Mackey,
Brown and
Caldwell

Azalea Mitch,
City of San Mateo
Marisa Tricas,
Cal Water
Yin Lan Zhang,
SFPUC

MONDAY, SEPTEMBER 12

10:30 am –
11:00 am

BREAK – GRAND FOYER

PLANNING
BAYVIEW A

Sponsor:
PCL
Construction, Inc.

Moderator:
Dan Lopez,
Black & Veatch

**ADVANCED
SOURCE
CONTROL**
SEACLIFF AB

Sponsor:
Monterey
One Water

Moderator:
Melody LaBella,
Central San

**PUBLIC
OUTREACH,
EDUCATION, &
COMMUNICATION**
SEACLIFF CD

Sponsor:
Metropolitan
Water District
of Southern
California

Moderator:
Dave Ebersold,
CDM Smith

**PANEL
DISCUSSIONS**
BAYVIEW B

Sponsor:
Black & Veatch

Moderator:
Jeff Neemann,
Black & Veatch

11:00 am –
11:30 am

**Identifying the
Amount of
Wastewater That
Is Available and
Feasible to
Recycle in
California**

Harold Leverenz,
University of
California, Davis

Ryujiro
Tsuchihashi,
Jacobs

**Supporting Water
Reuse through
the Federal
Pretreatment
Program**

Jan Pickrel and
Amelia Whitson,
U.S. EPA

**Comms for All:
A Session with the
WaterReuse
California
Communications
Collaborative
Group**

Rupam Soni,
Metropolitan
Water District
of Southern
California

Patsy Tennyson,
Katz & Associates

**Soup to Nuts of
Delivering IPR/
DPR Projects –
Lessons Learned
and Pun Intended**

Erick Hoek,
UCLA
Department
of Civil and
Environmental
Engineering

Chuck Mitchel,
Black & Veatch

Melanie Mow-
Schumacher,
Soquel Creek
Water District

11:30 am –
12:00 pm

**Show Me
the Money:
Financing Water
Reuse Projects
through the WIFIA
and CA CWSRF
Programs**

Kavita Mak,
U.S. EPA

Nichole Morgan,
State Water
Resources
Control Board

**What Effect Does
PFAS Have on
California Water
Reuse?**

Roshanak Aflaki,
CDM Smith

Lan Wiborg,
Orange County
Sanitation District

**Reaching Out
to Diverse
Communities to
Discuss the Pure
Water Southern
California
Program**

Ivonne Castillo
and Rupam Soni,
Metropolitan
Water District
of Southern
California

Gary Silverman,
Filanc

Kirsten Struve,
Valley Water

CONFERENCE SCHEDULE

MONDAY, SEPTEMBER 12

12:00 pm –
12:30 pm

**The Role of
Recycled Water
in Understanding
Demand
Management**

Katie Evans,
Woodard &
Curran

**A Journey
from Industrial
Pretreatment to
Enhanced Source
Control**

Akin Babtola,
City of Santa Cruz

Melanie Mow-
Schumacher,
Soquel Creek
Water District

Austa Parker,
Brown and
Caldwell

**Building Trust in
Treatment Trains,
including those
with Artificial
Intelligence**

Rupam Soni,
Metropolitan
Water District
of Southern
California

Patsy Tennyson,
Katz & Associates

**Panel Discussion
(continued)**

**Soup to Nuts of
Delivering IPR/
DPR Projects –
Lessons Learned
and Pun Intended**

12:30 pm –
2:00 pm

**AWARDS LUNCHEON – GRAND BALLROOM
PRESENTATION OF CALIFORNIA AWARDS OF EXCELLENCE**

SPONSORS: AECOM, IRVINE RANCH WATER DISTRICT, VALLEY WATER,
AND WOODARD & CURRAN

Craig Lichty, President, WateReuse Association, Black & Veatch

2:00 pm –
2:30 pm

BREAK – GRAND FOYER
SPONSOR: HAZEN AND SAWYER



MONDAY, SEPTEMBER 12

	ADVANCEMENTS IN TREATMENT TECHNOLOGIES BAYVIEW A Sponsor: Trussell Technologies Moderator: Leo Portillo, Black & Veatch	WATER QUALITY ISSUES SEACLIFF AB Sponsor: Orange County Water District Moderator: Alex Franchi, AECOM	REGULATORY, POLICY, & COMPLIANCE ISSUES SEACLIFF CD Sponsor: Irvine Ranch Water District Moderator: Rick Zimmer, Eurofins	PANEL DISCUSSIONS BAYVIEW B Sponsor: Jacobs Moderator: Rich Nagel, Jacobs
2:30 pm – 3:00 pm	Can Recent Advances in Light Scattering Technologies Provide a Viable Surrogate Technology for Virus Monitoring during Potable Reuse? Ganesh Rajagopalan, AECOM	A Proactive Plan to Evaluate Groundwater Leaching for IPR in California Ben Fine, Pismo Beach Damaris Hanson, Morro Bay Rob Morrow, WSC Andrew Salveson, Carollo	REUSExplorer and Synthesis of US State Water Reuse Regulations Rabia Chaudhry and Angela Davis, US EPA	Can Reuse Take the Doubt Out of the Current Drought?! Anselmo Collins, LADWP Shivaji Deshmukh, IEUA Vincent Gin, Valley Water Paula Kehoe, SFPUC Dave Pedersen, LVMWD Paul Sciuto, Monterey One Water
3:00 pm – 3:30 pm	Pilot Evaluation of High Recovery Flow-Reversal RO in Potable Reuse Application Ronit Erlitzki, AdEdge Water Technologies Han Gu and Megan Plumlee, Orange County Water District	Understanding the Potential Implications of California Toxics Rule Compliance for a New Reservoir Water Augmentation Project Jennifer Phillips, Larry Schimmoller, and Paul Swaim; Jacobs David Pederson, Eric Schlateger, Oliver Slosser, and John Zhao; Las Virgenes Municipal Water District	Regulatory Considerations for WRF 4958 to Achieve Greater Pathogen LRVs with RO Membranes Jason Assoulina, Carollo Engineers	

CONFERENCE SCHEDULE

MONDAY, SEPTEMBER 12

3:30 pm –
4:00 pm

The Last Link in the AWP Chain: Optimization of Lime Post-Treatment for Surface Water Augmentation

Seval Sen,
Padre Dam
Municipal Water
District

Shane Trussell,
Trussell
Technologies, Inc.

**Monitoring Strategies for Chemicals of Emerging Concern (CECs) in California's Aquatic Ecosystems
Recommendations of a Science Advisory Panel**

Paul Anderson,
Arcadis

Nancy Denslow,
University of
Florida

Jörg E. Drewes,
Technical
University of
Munich, Germany

Erica Kalve, State
Water Resources
Control Board

Derek Muir,
Environment and
Climate Change
Canada

Adam Olivieri,
EOA, Inc.

Shane Snyder,
Nanyang Techno-
logical University,
Singapore

Daniel Schlenk,
UC Riverside

The Challenges of Bringing Recycled Water to San Francisco

Barbara Palacios,
SFPUC

Claudia Llerandi,
Kennedy Jenks

Panel Discussions (continued)

Can Reuse Take the Doubt Out of the Current Drought?!

Anselmo Collins,
LADWP

Shivaji Deshmukh,
IEUA

Vincent Gin,
Valley Water

Paula Kehoe,
SFPUC

Dave Pedersen,
LVMWD

Paul Sciuto,
Monterey One
Water

MONDAY, SEPTEMBER 12

				PANEL DISCUSSIONS BAYVIEW B Sponsor: Los Angeles County Sanitation District Moderator: Mark Millan, Data Instincts
4:00 pm – 4:30 pm	Maximizing Virus Log Reduction Above Ground: Strontium and Chloramine Crediting Alison Imamura, Monterey One Water John Kenny, Trussell Technologies, Inc.	East Bayshore Recycled Water Project Water Quality Challenges and Solutions An Bartlett, EBMUD	How to Comply With Non-Existent Objectives? The Need for and Development of a Salt and Nutrient Management Plan in the Upper Temescal Valley Carolina Sanchez, West Yost	Secrets to Realizing a Water Reuse Project Ron Duncan, Soquel Creek WD Juan Guerrero, Pure Water San Diego Mike McCullough, Monterey One Water
4:30 pm – 5:00 pm	“Active” Control of UV and Free Chlorine Promotes Desired Cost for Critical Oxidation Steps Savings Scott Bindner, Trojan Technologies	Successful Conveyance Strategies for Surface Water Augmentation: East County Water Purification Program Seval Sen, Padre Dam Municipal Water District Gregory Watanabe, GHD	Title 22 Engineering Reports Review – A DDW Recycled Water Unit Staff Perspective Faraz Asad and Scott Miller, State Water Resources Control Board	
5:00 pm – 5:30 pm	BREAK – GRAND FOYER			
5:30 pm – 7:00 pm	PRESIDENT’S RECEPTION – WATERFRONT CDE & FOYER SPONSOR: JR FILANC CONSTRUCTION COMPANY, KUBOTA WATER AND ENVIRONMENTAL, MONTEREY ONE WATER			

CONFERENCE SCHEDULE

TUESDAY, SEPTEMBER 13

8:00 am – 9:00 am **CONTINENTAL BREAKFAST WITH THE EXHIBITORS – GRAND FOYER**

9:00 am – 10:00 am **GORDON COLOGNE PLENARY – GRAND BALLROOM**
 SPONSORS: CDM SMITH AND SAN DIEGO COUNTY WATER AUTHORITY
WRCA ANNUAL MEMBERSHIP MEETING
 Celebrate A Quarter Century of Advancing Potable Reuse in California and the Partnerships that Made it Happen

DIRECT POTABLE REUSE
 BAYVIEW A
Sponsor:
AECOM
Moderator:
 Kevin Hardy, NWRI

LESSONS LEARNED PART 1
 SEACLIFF AB
Sponsor:
HDR
Moderator:
 Anita Jain, West Yost

PANEL DISCUSSIONS
 BAYVIEW B
Sponsor:
Carollo

10:00 am – 10:30 am **2022 DDW Update on Direct Potable Reuse**
 Brian Bernados,
 State Water Resources Control Board, DDW

Maturing AWWTFs – Lessons Learned
 Jessica Koop,
 Water Replenishment District

S.F.'s Oldest Brewery, Anchor Brewing, Pioneers Innovation in Resource Recovery

10:30 am – 11:00 am **Permitting RWA in a TWA World: Adapting the DPR Criteria for San Diego's RWA Project**
 Anya Kaufmann, Brian Pecson, Shane Trussell, and Rhodes Trussell; Trussell Technologies, Inc.
 Douglas Owen, Stantec
 Jeffery Pasek, City of San Diego

Instructions Subject to Change: Commissioning Lessons from Pure Water Monterey
 Garon Goularte,
 Monterey One Water

Bill Musiak,
 Cambrian Innovations
 Taylor Nokhodian,
 SFPUC
 Brie Post,
 Trussell Technologies
 Matt Silver,
 Cambrian Innovation

11:00 am – 11:30 am **For DPR, Can Advanced Treated Water Be Blended with Surface Water Upstream of a Surface Water Treatment Plant?**
 Madeline Kelsch,
 LADWP
 Giridhar Upadhyaya,
 Carollo Engineers

Supply Chain Solutions
 Steve Friedman,
 HDR

11:30 am – 12:00 pm **Marriage of DPR & Ocean Desal – Doheny Ocean Pure Water Augmentation**
 Bob Ohlund,
 DUDEK

Implementing DPR in Small Communities – Can CA Communities Learn from Cloudcroft, NM?
 Christian Sanders, Jillian Vadegrift, and Greta Zornes; CDM Smith

TUESDAY, SEPTEMBER 13

12:00 pm –
1:30 pm

LUNCH PLENARY – GRAND BALLROOM

SPONSOR: BLACK & VEATCH

Water-Resilient California: How policies, partnerships, regulations, and science can lead the way towards a resilient water supply

1:30 pm –
2:00 pm

BREAK – GRAND FOYER

SPONSOR: CENTRAL CONTRA COSTA WATER DISTRICT AND IRVINE RANCH WATER DISTRICT

ONSITE REUSE

BAYVIEW A

Sponsor:
ARCADIS

Moderator:
Paula Kehoe, SFPUC

LESSONS LEARNED PART 2

SEACLIFF AB

Sponsor:
Brown and Caldwell

Moderator:
Pedro Hernandez,
City of San Jose

PANEL DISCUSSIONS

BAYVIEW B

Sponsor:
San Francisco PUC

Moderator:
Melanie Holmer,
Brown & Caldwell

2:00 pm –
2:30 pm

Onsite Treatment & Reuse of Nonpotable Water Regulations

Brian Bernados,
State Water Resources
Control Board, DDW

Potable Reuse at Oxnard: The Quest for LRVs

Tim Beaman,
City of Oxnard

Adam Zacheis,
Brown and Caldwell

Microplastics – Recycled Water Utility Perspectives on the Next Big Unknown

Amber Baylor,
SOCWA

2:30 pm -
3:00 pm

Incorporating Onsite Water Reuse Research into Plumbing Codes and Standards

Paula Kehoe and Taylor
Nokhoudian, National
Blue Ribbon Commission
for Onsite Non-Potable
Water Systems

Rabia Chaudhry and
William Platten, US EPA

Water Microbiome through Potable Reuse Treatment Train

Rose Kantor and
Kara Nelson,
University of California,
Berkeley

Jorien Favere,
Ghent University

Jordan Damerel,
Fairfield Suisun

Lisa Haney,
Irvine Ranch Water
District

Melody LaBella,
Central San

Diego Rosse,
University of CA Irvine

3:00 pm -
3:30 pm

An Innovative Water Reuse Concept for Data Center Cooling

Ufuk Erdal,
ARCADIS

Jon Liberzon,
Tomorrow Water

Development and Tracer Study Validation of a 3D Model of Miramar Reservoir for Indirect Potable Reuse

Kareem Hannoun,
Water Quality Solutions

Jeffery Pasek,
City of San Diego