



EDUCATION, AWARENESS, & TECHNOLOGY



Association of Ground Water Agencies

CALIFORNIA GROUNDWATER CONFERENCE

Everything Aquifers and Groundwater Management

February 6 & 7, 2024

Ontario Airport Hotel

700 N. Haven Ave., Ontario, CA 91764

PROGRAM

Groundwater Champions



Welcome to the 2024 California Groundwater Conference!

The objective of American Ground Water Trust conferences is to showcase topical and/or controversial groundwater issues and to facilitate information sharing among landowners, groundwater end-users, regulators, management agencies, scientists, engineers, lawyers, and citizens who have economic or environmental interests in water resources.

Continuing Education

Approved for CA Water Operators -

Two Day Conference - 13 hours, Feb. 6th - 7 hours, Feb. 7th - 6 hours

Certificates are available for all attendees upon completion of CE Form

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Tuesday, February 6

- 7:30-8:20 am **Registration & Refreshments**
- 8:20-8:30 am **Welcome and Overview of the California Conference**
Sara Chudnoff, PG, Executive Director, American Ground Water Trust, Pinetop, AZ
- Moderator** Laura Ramos, Interim Director of Reserach and Education, California Water Institute, California State University, Fresno, CA
- 8:30-9:15 am **Central Valley Hydrogeology, Groundwater Conditions, and SGMA: Groundwater Priorities Around Climate**
Timothy K. Parker, PG, CEG, CHG, Principal Hydrogeologist, Ramboll, Sacramento, CA
- 9:15-9:45 am **Voices of the San Joaquin Valley: What SGMA Means to the SJV's Agricultural Communities**
Kaitlin Palys, Water Resources Scientist, INTERA Incorporated, Torrance, CA
- 9:45-10:15 am **Sustainability in an Otherwise Unstainable Subbasin: Delano-Earlimart Irrigation District's Approach to SGMA**
Eric R. Quinley, General Manager, Delano - Earlimart Irrigation District, Delano, CA
- 10:15-10:45 am **Break and Exhibitor Introductions**
- 10:45-11:15 am **Incentive Frameworks Like Recharge Net Metering (ReNeM) Offer Promise for Cost-Effective Sustainable Groundwater Management**
Molly Bruce, J.D., Research Fellow, Wheeler Water Institute, UC Berkeley's Center for Law, Energy & the Environment, Berkeley, CA
- 11:15-11:45 am **Ag-ASR in the San Joaquin Valley: Westlands Water District's Approach to Aquifer Recharge**
Jesse Scolavino, Associate Water Resource Engineer, Brown and Caldwell, San Diego, CA
- 11:45-1:00 pm **Lunch (provided)**
- Moderator** Tony Morgan, VP and Principal Hydrogeologist, DBS&A and AGWT Board Member
- 1:00-2:00 pm **Keynote**
Pure Water Southern California: A New Sustainable Local Source of Water For Groundwater Replenishment of Water For Groundwater Replenishment and Direct Potable Reuse
John Bednarski, PE, Chief Engineer, Metropolitan Water District of Southern California, Los Angeles, CA and Raymond Tremblay, PE, Department Head, Facilities Planning, Los Angeles County Sanitation District, Whittier, CA
- 2:00-2:30 pm **Reviving the Depths: Triumphs and Trials in Design and Testing of Aquifer Storage and Recovery Well Projects**
Eddy Teasdale, PG, CHG, Principal Hydrogeologist, Luhdorff & Scalmanini Consulting Engineers, Chico, CA
- 2:30-3:00 pm **One Water Approach to Managed Aquifer Recharge: A Focus on Indirect Potable Reuse on California's Central Coast**
Michael Cruikshank, Senior Hydrogeologist, Water Systems Consulting, Rancho Cucamonga, CA

- 3:00-3:30 pm **Break**
- 3:30-4:00 pm **Exploring Managed Aquifer Recharge Viability in an Urban Setting Using Geophysics to Identify Recharge Sites in Southern Orange County**
Michael Blazevic, Hydrogeologist, Santa Margarita Water District, John Jansen, PG, PGp, PhD, Senior Geophysicist & Hydrogeologist and Kristen Marberry, Hydrogeophysicist, Collier Geophysics, Golden, CO
- 4:00-4:30 pm **Keynote**
WRD & The Roadmap to Water Independence Now
Joy Langford, Board President, Director - Division One, Water Replenishment District, Los Angeles County, CA,
- 4:30-5:00 pm **ARCHES: CA Hydrogen Hub Overview**
Adam Weber, Interim Chief Technology Officer, ARCHES H2, California
- 5:00-6:00 pm Reception & Networking Sponsored by Raymond Basin Management Board

Wednesday, February 7

- 7:30-8:25 am Registration
- 8:25-8:30 am **Summary of February 6 Presentations**
Anthony Zampielo, Chairman, Association of Ground Water Agencies, Azusa, CA
- Moderator** Katherine VanZytveld Meussner, Project Manager, BBJ Group, Orange County, CA
- 8:30-9:00 am **A New Concern for a Rising Sea Surface in Coastal Areas: Groundwater Rise and Influence on Contaminant Conditions**
Scott D. Warner, PG, CHG, CEG, Principal Hydrogeologist, BBJ Group and PhD Candidate at the University of Newcastle (Australia), USA, Kristina Hill, Director, Institute for Urban and Regional Development, UC Berkeley, Daniella Hirschfeld, Assistant Professor, Landscape and Environmental Plan, Utah State University, Salt Lake City, Utah, Caroline Lindquist, Landscape Designer, Denver, CO, and Forest Cook, Graduate Research Assistant, Utah State University, Salt Lake City, Utah
- 9:00-9:30 am **Addressing Today's Contaminants of Concern while Planning for Future Emerging Contaminants**
Nicole Blute, PhD, PE, VP, Director of Drinking Water Process Technology, Hazen & Sawyer, Los Angeles, CA
- 9:30-10:00 am **Protecting California's Groundwater**
Eric Lindberg, PG, CHG, Assistant Executive Officer, Santa Ana Regional Water Quality Control Board, Riverside, CA
- 10:00-10:30 am **Break**
- Moderator** Kelsey Beckwith, Business Development Engineer, Aqueousvets, Manhattan Beach, CA
- 10:30-11:00 am **Water Quality Testing and Treatment for Domestic Wells in the San Joaquin Valley**
Travis Wentworth, Water Quality Manager, Self-Help Enterprises, Visalia, CA

11:00-11:30 am **An Affordable ZLD Technology for Small Rural Communities for Removing Arsenic from Groundwater For Drinking**

Siva Bandaru, PhD, Product Development Lead and Senior Research Scientist, Aepnus Technology, Berkeley, CA

11:30-12:00 pm **Hexavalent Chromium in 2024 and Beyond: Regulatory Update, Treatment Options, and Case Studies**

Todd Webster, PhD, PE, VP, Envirogen Technologies, Inc., Rancho Cucamonga, CA

12:00-1:15 pm **Lunch (provided)**

Moderator Tracey O'Reilly, Attorney, Miller & Axline, Sacramento, CA

1:15-2:45 pm **Microplastics in Groundwater**

The topic of microplastics (MP) in groundwater is “new” for most groundwater professionals and water managers. This panel will provide insight into this emerging contaminant, including the following topics:

- MP background/overview
- Latest research findings on MP in groundwater
- General MP groundwater vulnerability concepts
- Update on California drinking water sampling and analysis requirements and timing
- Implications of MP for groundwater management and drinking water supplies
- What can be done to prepare for sampling and results, consumer messaging and ultimate regulation

Moderator: Jon Rohrer, PG, CHg, Principal Hydrogeologist, Roux, Long Beach, CA

Panelists:

- Rachel Maxwell, PG, Senior Scientist, Roux, Oakland, CA
- Jennifer F. Novak, JD, Principal, Law Office of Jennifer F. Novak, Rolling Hill Estates, CA
- Terri Slifko, PhD, Water Quality Manager: Chemistry, Metropolitan Water District of Southern California, Los Angeles, CA

2:45-3:45 pm **When PFAS Rules Change: Calming Customers and Finding Treatment Solutions**

Shawn Harkness, Account Manager, CV Strategies, Phoenix, AZ and Zeki Kayiran, PE, Principal, AKM Consulting Engineers, Irvine, CA

3:45 pm **Door Prize Awards**

Conference Exhibitors

Daniel B. Stephens & Associates (A Geologic Company)

Cotey Chemical Corp.

Johnson Screens

Lidco Inc.

Phibro-Tech

Roux

Yellow Jacket Drilling

Registration Information

2024 California Groundwater Conference - Ontario, CA
February 6 & 7, 2024

Register online at agwt.org/events

Registration Overview

General Registration

2 Day Registration	\$475.00
2 Day Registration AGWT/AGWA Member	\$450.00
2 Day Full-Time Student	\$120.00
1 Day Registration (February 6 or 7)	\$270.00
1 Day Registration AGWTAGWA Member (February 6 or 7)	\$245.00
1 Day Full-Time Student (February 6 or 7)	\$ 80.00

Speaker Registration

Speaker (February 6)	\$ 0.00
Speaker (February 7)	\$ 0.00
Attend - Not Speaker (February 6)	\$100.00
Attend - Not Speaker (February 7)	\$100.00

Moderator Registration

2 Day Registration	\$425.00
1 Day Registration	\$220.00
Download of Presentations in PDF - attendees	\$ 30.00
Download of Presentations in PDF - non-attendees	\$100.00

Sponsor and Exhibit Opportunities - See our event webpage for more information or choose options(s) during on-line registration

Checks should be made payable to AGWT
Mail to: American Ground Water Trust
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Concord, NH 03301

For questions please call: (603) 228-5444