

2023 ANNUAL AGWT-AGWA CALIFORNIA GROUNDWATER ISSUES CONFERENCE

The 24th annual information-exchange program organized by:
American Ground Water Trust and Association of Ground Water Agencies



Tuesday, February 7 and Wednesday, February 8, 2023
Ontario Airport Hotel, 700 N Haven Ave, Ontario, CA 91764



See Registration Form or register online at www.agwt.org/events.



“The AGWT always assembles an impressive selection of presentations.”
“Each year this annual AGWT/AGWA program gives background and insight to state water policy issues.”
“If I can only attend one conference focused on California groundwater - this is the one.”

WHY YOU SHOULD ATTEND

This annual event is an information-exchange and networking opportunity for California’s water agencies, utilities and water districts, water professionals (scientific, engineering, managerial, legal, environmental, and regulatory), water operators, industrial and irrigation end-users of water, academics, and local and state elected officials who are involved with water supply and water policy issues.

CONTINUING EDUCATION

Application to be submitted for **CA Drinking Water Operators**
Certificate of attendance available for all attendees upon completion of CE Form.

For Sponsoring or Exhibiting information, visit www.agwt.org/events and click this event for sponsorship levels and exhibiting details and form. Sponsorship and exhibiting options are also available when registering online. You may also contact the AGWT at 603 228-5444 or trustinfo@agwt.org for further assistance.

Join our Conference Sponsors:



Tuesday, February 7th – AGWT AGWA Annual California Groundwater Conference

7:00 Exhibitor set-up

7:30 Registration open. (Coffee, pastries and visit exhibitors)

8:30 - 8:40 Conference opens

OPENING REMARKS FROM AGWA AND AGWT

Anthony Zampello, Chairman, Association of Ground Water Agencies
Andrew Stone, Executive Director, American Ground Water Trust

8:40 – 10:20 SESSION—Everything You Wanted to Know About Recycled-Water Recharge Projects and Were Too Afraid to Ask

Moderator: Abhishek Singh, PhD, PE, President - Water Supply & Water Resources LOB, INTERA Inc., Torrance, CA

Presentation Panel and discussion topics

THE WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA LEO J. VADER LANS RECHARGE PROJECT STORAGE FOR EXCESS RECYCLED WATER

Brian Partington, PG, GHg, Manager of Hydrogeology, Water Replenishment District, Lakewood, CA

ORANGE COUNTY WATER DISTRICT MID-BASIN INJECTION CENTENNIAL PARK PROJECT

Jason Dadakis, PG, CHG, Executive Director of Water Quality & Technical Resources, Orange County Water District, Fountain Valley, CA

LADWP'S OPERATION "NEXT": TO IMPROVE THE OVERALL WATER SUPPLY RESILIENCY AND RELIABILITY FOR LOS ANGELES

Rafael Villegas, PE, Program Manager, Los Angeles Department of Water & Power, Los Angeles, CA

IEUA'S RECYCLED WATER RECHARGE PROGRAM: A LONG-TERM SOLUTION TO THE WATER SUPPLY AND WATER QUALITY ISSUES FACING THE GREATER CHINO BASIN

Steven Smith, PE, Acting Groundwater Recharge Supervisor, Inland Empire Utility Agency, Chino Hills, CA

10:20 – 10:45 BREAK - includes rapid microphone-time opportunity for exhibitors

10:45 – 11:20

OCEAN WATER DESALINATION: CALIFORNIA COASTAL COMMISSION APPROVED PROJECTS USING SLANT WELL SUBSURFACE INTAKES

Brian A. Villalobos, PG, CHG, CEG Principal Geohydrologist, Geoscience Support Services Inc., La Verne, CA

11:20 – 11:55

CALIFORNIA'S WATER RIGHTS SYSTEM HAS GONE FROM THE "WILD, WILD WEST" TO ONE PERVADED BY EVER GREATER GOVERNMENT CREEP

Valerie C. Kincaid, JD, Partner, Paris Kincaid Wasiewski, Sacramento, CA

11:55 – 12:30 KEYNOTE PRESENTATION

CALIFORNIA STATE WATER SUPPLY STRATEGY

Jonathan Bishop, Chief Deputy Director, California State Water Resources Control Board, Sacramento, CA

12:30 – 1:40 LUNCH

1:40 – 2:15

THE INLAND EMPIRE UTILITIES AGENCY INTEGRATED RESOURCE PLAN AND HOW IT WILL MITIGATE DROUGHT AND POTENTIAL STATE WATER PROJECT CUTBACKS

Dan Haddock, PE, Principal Engineer, Intera Inc., Bloomington, IN

2:15 – 2:50

INNOVATIVE APPROACHES FOR GREATER CLIMATE RESILIENCY: BEST PRACTICE AROUND CLIMATE RISK ANALYSIS

Jennifer Warfield, PE, Program Manager – EHS, Sustainability & ESG Services, Tetra Tech, Austin, TX

2:50 – 3:05 BREAK

3:05 – 3:40

WATER PLANNING FOR COACHELLA VALLEY WATER DISTRICT IN TIMES OF UNCERTAINTY ABOUT WATER SUPPLY AVAILABILITY

Zoe Rodriguez del Rey, Water Resources Manager, Coachella Valley Water District, Coachella, CA

3:40 – 4:15

THE HYDROLOGY AND POLITICS OF THE PRESENT AND FUTURE FOR THE SALTON SEA

Patrick O'Dowd, Executive Director, Salton Sea Authority, Indio, CA

4:15 – 4:50

ON-SITE GROUNDWATER AND POLLUTION MONITORING: USE OF IoT SENSORS, MULTIPARAMETER SAMPLING, REALTIME MEASUREMENT OF GROUNDWATER VELOCITY AND AN ONLINE DASHBOARD FOR INTEGRATED GROUNDWATER MANAGEMENT

Jeroen November, Hydrogeology Business Development Manager, and Stephen Anderseon, PhD, Business Development Manager, iFLUX, Niel, Belgium

4:50 – 6:30

RECEPTION (Cash bar)



Wednesday, February 8th AGWT AGWA Annual Groundwater Conference

8:30 – 8:40

Review of Day-one presentations and introduction to Day-two presentations

SESSION – Dealing with PFAS, Desalination and Repurposing Oilfield Brines

Moderator: Andrew Stone, American Ground Water Trust

8:40 – 9:15

A REVIEW OF TECHNOLOGY AND ACCEPTED PRACTICES FOR THE CLEAN-UP AND TREATMENT OF GROUNDWATER CONTAMINATION AND COMPLIANCE WITH REGULATORY REQUIREMENTS FOR THE DISPOSAL OF TOXIC RESIDUALS

AnnieLu DeWitt, Water Filtration & PFAS Product Line Director for North America, Clean Harbors, Poland, ME

Matthew A Scheeline, PG, Business Dvt. Manager - Remediation and Project Services, Clean Harbors, Sacramento, CA

9:15 – 9:40

ECONOMICS OF PFAS TREATMENT OPTIONS FOR WATER SUPPLY

Catherine Swanson, Groundwater Remediation Specialist, Purolite Corporation, Fullerton, CA

9:40 – 10:15

CHALLENGES AND SOLUTIONS: PFAS CONTAMINATION AFFECTING GOLDEN STATE WATER SUPPLY COMPANY OPERATIONS

Samantha Chen, Water Quality Manager, Golden State Water Company, San Dimas, CA

10:15 – 10:35

BREAK

10:35 – 11:10

CASE STUDY: USE OF AN ANALYTICAL CONTAMINATE DASHBOARD TO MANAGE THE IMPACT OF PFAS ON GROUNDWATER

Taire VanScoy, Director of Solutions Architecture & Data Analytics, Tetra Tech, Brunswick, MD

11:10 – 11:45

REPURPOSING OILFIELD WATER AND DESALINATING BRACKISH GROUNDWATER AS PART OF THE "MIX OF FIX" FOR WATER SHORTAGE IN CALIFORNIA

Anthony Brown, CEO & Principal Hydrologist, Aquilogic, Costa Mesa, CA

11:45 – 12:20 KEYNOTE PRESENTATION

HOW THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA IS HELPING THE REGION MEET THE CHALLENGES OF CLIMATE CHANGE AND EXTENDED DROUGHT
Adán Ortega, Board Chairman, Metropolitan Water District of Southern California, Los Angeles, CA

12:20 – 1:20 LUNCH

1:20 – 1:55

PROACTIVE WELL MAINTENANCE AS A COST-EFFECTIVE MANAGEMENT STRATEGY TO MAXIMIZE RETURN ON INVESTMENT IN GROUNDWATER SUPPLY INFRASTRUCTURE
Chris Catania, President & CEO, Subsurface Technologies, Marco Island, FL

1:55 – 2:30

MANAGED AQUIFER RECHARGE: THE HOUSTON STORMWATER PROJECT
Gretchen Miller PhD, PE, PG, Hydrogeologist, Collier Consulting, Austin, TX

2:30 - 3:05

THE HYDROLOGY AND ECONOMICS OF RECHARGING GROUNDWATER WHILE KEEPING LAND PRODUCTIVE – TILE RECHARGE
Mike Busby, PG, EIT, Geologist/Engineer, Lidco Inc. Brawley, CA



3:05 – 3:40



DIRECTIONAL DRILLING APPLICATIONS FOR WATER SUPPLY AND GROUNDWATER REMEDIATION IN CALIFORNIA
Jacob Gallagher, Business Development Manager, Ellingson - Directed Technologies Drilling, Bellefonte, PA

3:40 – 3:50

Conference wrap-up
Anthony Zampello, Chairman, Association of Ground Water Agencies

3:50 – 4:00

 **Complete continuing education forms** 

 **Cash/gift certificate door prizes (must be present to win)** 

4:00 ADJOURN

REGISTRATION FORM

2023 AGWT – AGWA Annual CA Groundwater Conference – February 7 & 8, 2022

Ontario Airport Hotel, 700 N Haven Avenue, Ontario, CA

Complete information below or register on-line at www.agwt.org/events

	Feb 7 AND 8	Feb 7 OR 8
YOU MUST CHECK ONE: →	<input type="checkbox"/>	<input type="checkbox"/> or <input type="checkbox"/>
General Registration	<input type="checkbox"/> \$450	<input type="checkbox"/> \$255
AGWT Corp. Member or AGWA Member	<input type="checkbox"/> \$425	<input type="checkbox"/> \$230
Full-Time Student* (ID required at Registration)	<input type="checkbox"/> \$120	<input type="checkbox"/> \$80
Download of presentation ppts (Registrant Price)	<input type="checkbox"/> \$30	

Speaker Registration ONLY:

- Presenting – Feb 7 \$ 0.00
- Presenting – Feb 8 \$ 0.00
- Attending – Not presenting – Feb 7 \$100.00
- Attending – Not presenting – Feb 8 \$100.00

EXHIBITOR: Exhibit Table - Personal registration (above) also required **\$ 300**

SPONSORSHIP:

Sponsor Levels: **\$5,000*** **\$4,000*** **\$3,000*** **\$2,000*** **\$1,000*** **\$500**

*Each \$1,000 of sponsorship has the benefit of one complimentary registration or an exhibit table

Do you plan to exhibit? YES NO

Call the AGWT (800) 423-7748 for registration questions, need an invoice, or to discuss sponsorship of lunch/refreshment breaks.

Registrant/Sponsor/Exhibitor Information:

Attendee Name _____
 Organization Name _____
 Attendee Email _____
 Position/Job Title _____
 Address _____
 City _____ State _____ Zip _____
 Phone _____

✉ MAIL TO:

American Ground Water Trust
 50 Pleasant Street, Suite 2
 Concord, NH 03301-4073

FAX: (603) 228-6557

TEL: (603) 228-5444

E-mail: trustinfo@agwt.org

www.agwt.org/events

Payment Information:

- CHECK [payable to: American Ground Water Trust]
- PO
- CREDIT CARD

Card Number _____ Amount Authorized: \$ _____

Name on Card _____ Expiration Date _____

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The American Ground Water Trust is a non-profit 501(c)(3) membership organization dedicated to providing accurate information about water resources, groundwater and wells to citizens, communities and decision makers.

Register on-line at www.agwt.org/events