

AGWA – AGWT Annual Conference

Everything aquifers and groundwater management

Monday, February 9 and Tuesday, February 10, 2015 - Ontario Airport Hotel, Ontario, California



PROGRAM

Presenters and schedule



In cooperation with Groundwater Resources Association and the California Groundwater Coalition

ASSOCIATION OF GROUND WATER AGENCIES



AGWA, was formed in 1994 by a group of Southern California groundwater basin management agencies to provide a unified voice to coordinate efforts and exchange information to enhance the effective management of groundwater resources. AGWA's purpose is to create a forum for the discussion of groundwater issues for entities responsible for management of groundwater basin resources.

AGWA's primary objectives are to promote:

- ◆ More effective means of enhancing management of groundwater basins
- ◆ The reliability of existing groundwater supplies
- ◆ The increase of basin yields and the protection and enhancement of groundwater quality

AMERICAN GROUND WATER TRUST



The AGWT was formed in 1986 as a non-profit education organization with the mission of promoting interest and awareness in groundwater issues. The AGWT's conference and workshop programs and educational materials:

- ◆ Communicate the environmental and economic value of groundwater
- ◆ Showcase ground water science and technology solutions
- ◆ Increase citizen, community and decision-maker awareness
- ◆ Facilitate stakeholder participation in water resource decisions
- ◆ Promote efficient and effective groundwater management

CALIFORNIA GROUNDWATER COALITION



CGC was formed in 2007 as a joint endeavor of the Association of Ground Water Agencies (AGWA), the Ground Water Resources Association of California (GRA) and the American Ground Water Trust (AGWT). The Coalition's principal mission is to educate policy makers about groundwater; and

promote the benefits of comprehensive groundwater management and use in legislative and other water policy arenas.

The Coalition recognizes:

- ◆ Groundwater development, conjunctive use, and groundwater storage have the capability to provide increased water supply reliability for California
- ◆ Groundwater management and monitoring are essential to the successful development and protection of the state's groundwater resources for current and future generations
- ◆ New infrastructure is needed to obtain statewide benefit from groundwater resources utilization and replenishment potential

GROUNDWATER RESOURCES ASSOCIATION OF CALIFORNIA



GRA is dedicated to resource management that protects and improves groundwater supply and quality through education and technical leadership. Its major objectives are to:

- ◆ Promote professional development of scientists, engineers, and others involved in the assessment, development, quality and management of the state's groundwater resources
- ◆ Help formulate statewide policy on the development, management, and protection of the state's groundwater resources, soil and groundwater remediation, and environmental assessments
- ◆ Disseminate scientific and technical information among GRA members and those who influence policy development concerning groundwater resources

Association of Ground Water Agencies – American Ground Water Trust

PRESENTATIONS AND PRESENTERS – Monday, February 9th

9:45 **WELCOME, OPENING REMARKS FROM AGWA AND AGWT**

10:00 – 2:30

Session 1

SUSTAINABLE GROUNDWATER MANAGEMENT ACT

Moderator: Tony Zampiello, Executive Officer, Main San Gabriel Basin Watermaster, Raymond Basin Management Board
Azusa, CA

10:00 – 10:30 **LEGAL FRAMEWORK OF THE SUSTAINABLE GROUNDWATER MANAGEMENT ACT**
Brad Herrema, Attorney, Brownstein Hyatt Farber Schreck, Santa Barbara, CA 93101

KEYNOTE PRESENTATION

10:30 – 11:00 **THE DROUGHT AND THE SUSTAINABLE GROUNDWATER MANAGEMENT ACT**
Felicia Marcus, Chair, State Water Resources Control Board, Sacramento, CA



Felicia Marcus was appointed by Governor Jerry Brown to the State Water Resources Control Board for the State of California in 2012, and designated by the Governor as Chair in April of 2013. The Board implements both federal and state laws regarding drinking water and water quality, and it implements the state's water rights laws. The Board sets statewide water quality, drinking water, and water rights policy, hears appeals of local regional board water quality decisions, decides water rights disputes, and provides financial assistance to communities to upgrade water infrastructure.

Before her appointment to the Water Board, Marcus served in a leadership capacity for several organizations: as the Regional Administrator of the U.S EPA Region IX, as the head of Los Angeles' Department of Public Works, as Western Director for the Natural Resources Defense Council and as Executive VP/COO of the Trust for Public Land. A Harvard University graduate in East Asian Studies, she received a juris doctorate in 1983 from New York University School of Law

11:00 - 11:15 **Break**

11:15 – 11:45 **APPROACHES TO MEETING SGMA REQUIREMENTS: BASIN BOUNDARIES AND CREATION OF SUSTAINABILITY AGENCIES**
Tim Parker, Principal, Parker Ground Water, Sacramento, CA

11:45 – 12:15 **AN INVESTOR-OWNED WATER COMPANY PERSPECTIVE ON THE SUSTAINABLE GROUNDWATER MANAGEMENT ACT**
Toby Moore, Water Resources Manager, Chief Hydrogeologist, Golden State Water Company, Anaheim, CA

12:15 – 12:45 **THE AGRICULTURAL INDUSTRY PERSPECTIVE ON THE LIKELY IMPACTS OF SGMA**
J. Paul Hendrix, General Manager, Tulare Irrigation District, Tulare, CA

12:45 – 2:00 **LUNCH**

Session 1 – (Continued)

SUSTAINABLE GROUNDWATER MANAGEMENT ACT

Moderator: Tony Zampielo, Executive Officer, Main San Gabriel Basin Watermaster, Raymond Basin Management Board
Azusa, CA

KEYNOTE PRESENTATION

2:00 – 2:30 **THE PERSPECTIVE OF CALIFORNIA EPA, AND THE AGENCY'S ROLE IN IMPLEMENTATION OF THE SUSTAINABLE GROUNDWATER MANAGEMENT ACT**

Gordon Burns, Undersecretary, California Environmental Protection Agency, Sacramento, CA



Gordon Burns was appointed Undersecretary for the California EPA by Governor Brown in December 2011. Prior to his appointment, Gordon spent most of his career in the California Attorney General's Office, where he focused on complex natural resources cases, writs, and appellate practice. From 1999 to 2006, he was a Deputy Attorney General in the Land Law Section, representing clients in cases involving regulatory takings, the California Environmental Quality Act, the restoration of the Lower Owens River, and the CALFED Bay-Delta Program. Beginning in 2006, he served as Deputy Solicitor General, supervising all of the State's civil cases in the Supreme Court. From 2010 until his appointment as Undersecretary, Gordon was an attorney at the Resources Law Group, where he led the firm's climate change, land use, and transportation program.

Gordon holds a degree in history from the University of California Los Angeles and a law degree from the University of California Hastings College of the Law.

2:30 – 5:15

Session 2

GROUNDWATER MODELS AND TECHNOLOGY FOR SOUTHERN CALIFORNIA

Moderator: Tim Parker, Principal, Parker Ground Water, Sacramento, CA

2:30 – 3:00 **THE VALUE OF MODELS FOR ASSISTING WATER MANAGEMENT RELATED TO RECENT GROUNDWATER LEGISLATION**

Derrick Williams, President, HydroMetrics, Oakland, CA

3:00– 3:30 **LEVERAGING 21ST CENTURY TECHNOLOGY TO BUILD EFFECTIVE GROUNDWATER MODELS FOR WATER RESOURCES MANAGEMENT IN CA**

Todd Kincaid, Group Leader and Geologic Modeler, GeoHydros, Reno, NV

3:30 – 3:45 **BREAK**

3:45 – 4:15 **MODELS THAT ARE AVAILABLE TO ASSIST WATER MANAGEMENT DECISIONS IN SOUTHERN CALIFORNIA**

Claudia C. Faunt, Supervisory Hydrologist, Program Chief – Groundwater Framework and Applied Modeling, U.S. Geological Survey, San Diego, CA

4:15 – 4:45 **SOLUTIONS TO COMPLYING WITH THE CHROMIUM-6 DRINKING WATER MCL**

Russ Mack, Business Development Manager, Layne, Phoenix, AZ

4:45 – 5:15 **BENEFITS AND SUSTAINABILITY OF SLANT WELL FEEDWATER SYSTEMS FOR OCEAN WATER DESALINATION IN CALIFORNIA**

Dennis Williams, President, Geoscience Support Services, Claremont, CA

5:15 – 6:30 **RECEPTION - CASH-BAR**



PRESENTATIONS AND PRESENTERS – Tuesday, February 10th

8:30– 10:30

Session 3

DROUGHT RESPONSE: MANAGEMENT STRATEGIES FOR THE DECADES AHEAD

Moderator: Adam Hutchinson, Orange County Water District, Fountain Valley, CA

8:30 - 9:00

SOUTHERN CALIFORNIA'S WATER SUPPLY

Robert Harding, Senior Engineer, Water Resources Management Group, Metropolitan Water District, Los Angeles, CA

9:00 – 9:30

SAN GABRIEL BASIN: PLANNING FOR DROUGHT AND REDUCED SUPPLEMENTAL DELIVERIES

Tony Zampielo, Executive Officer, Main San Gabriel Basin Watermaster, Raymond Basin Management Board Azusa, CA

9:30 – 10:00

CAPTURE, CONSERVE, REUSE, AND REMEDIATE: THE LOS ANGELES STRATEGY

Paul Liu, Remediation Manager, Los Angeles Department of Water & Power, Los Angeles, CA

10:00 – 10:30

MANAGING THE ORANGE COUNTY GROUNDWATER BASIN AND DEVELOPING NEW LOCAL WATER SUPPLIES

John Kennedy, Executive Director of Engineering and Local Resources, Orange County Water District, Fountain Valley, CA

10:30 11:00 **BREAK**

11:00 – 12:30

Session 4

GROUNDWATER CONTAMINATION ISSUES IN SOUTHERN CALIFORNIA

Moderator – Anthony Brown, CEO and Principal Hydrologist, Aquilogic Inc., Costa Mesa, CA

11:00 – 11:30

UPDATE ON THE SAN GABRIEL VALLEY SUPERFUND PROJECT

Randy Schoellerman, Assistant Executive Director/Senior Engineer, San Gabriel Basin Water Quality Authority, West Covina, CA

11:30 – 12:00

CONTAMINATION AND WATER QUALITY ISSUES IN THE CENTRAL AND WEST BASINS

Everett Ferguson Jr., Senior Hydrogeologist, Water Replenishment District of Southern California, Lakewood, CA

12:00 – 12:30

AN UPDATE ON WATER QUALITY ISSUES IN THE CHINO BASIN

Steve Elie, Partner, Musick Peeler & Garrett, Los Angeles, CA, and Chairman of the Chino Basin Watermaster Board of Directors

12:30– 1:30 **LUNCH**

1:30 – 3:30

Session 5

WATER SUPPLY OPTIONS AND SUSTAINABILITY MANAGEMENT CHALLENGES

**Moderator: Tony Morgan, Deputy General Manager / Groundwater & Water Resources
United Water Conservation District, Santa Paula, CA**

KEYNOTE PRESENTATION

1:30– 2:00

HOW THE BAY DELTA CONSERVATION PLAN MAY IMPACT WATER DELIVERIES TO SOUTHERN CALIFORNIA

Gary B. Bardini, Deputy Director, Integrated Water Management, Department of Water Resources, Sacramento, CA



Gary Bardini was appointed Deputy Director for Integrated Water Management in August, 2011. He is responsible for leading four divisions and almost 850 employees conducting a variety of programs in support of the 2014 Governor's California Water Action Plan. Some of the services provided under Mr. Bardini's leadership include: statewide water management investigations, analysis and planning tied to the California Water Plan; drought management operations; water use efficiency investigations, outreach and local assistance; sustainable groundwater management; storage investigations; technical and financial assistance to nearly 50 integrated water management groups in the state.

Prior to his current appointment, Mr. Bardini served for two years as Chief of DWR's Division of Flood Management, and was Chief of the Hydrology Branch for five years. Mr. Bardini worked with the CALFED Bay-Delta Program where he managed the Storage and Conveyance Facilities Unit and directed water resource modeling activities. He holds a B.S. degree in civil engineering from California Polytechnic State University at San Luis Obispo with an emphasis in water resources and structures

2:00 -2:30

HOW PUBLIC PRIVATE PARTNERSHIPS (P3s) COULD ACHIEVE TRUE WATER SUPPLY SUSTAINABILITY, LOCAL RELIABILITY, REGIONAL BENEFIT AND MAYBE RATE STABILIZATION

Ken Ortega, Assistant General Manager, Water Replenishment District of Southern CA, Lakewood

2:30 – 3:00

PERILS OF GROUNDWATER MANAGEMENT IN SAN LUIS OBISPO COUNTY – THE PASO ROBLES BASIN EXPERIENCE

Paul Sorensen, Principal Hydrogeologist, Fugro Consultants, Inc., San Luis Obispo, CA
Jeff M. Barry, Principal Hydrogeologist, GSI Water Solutions Inc., Santa Barbara, CA

3:00 – 3:30

HOW USEFUL IS "SUSTAINABILITY" AS A WATER MANAGEMENT CONCEPT?

Andrew Stone, Executive Director, American Ground Water Trust, Concord, NH

3:30 ADJOURN



Program qualifies for 11.0 CA MCLE Credits

Brownstein Hyatt Farber Schreck LLP is the approved MCLE sponsor provider for this conference by the State Bar of California. Attorneys will receive 11.0 General MCLE credits for attending this AGWT/ AGWA Annual Conference. Attorneys should collect an attendance form from the conference organizers.

AGWT – AGWA Conference is endorsed by the IAH Commission: Groundwater for Decision-makers



INTERNATIONAL ASSOCIATION OF HYDROGEOLOGISTS COMMISSION - GROUNDWATER OUTREACH TO DECISION MAKERS

Background to the Commission:

World-wide, ignorance and misunderstanding of groundwater is a major barrier to effective water resources management. Groundwater professionals need to be advocates for sensible water policy to ensure that water allocation decisions are based on hydrologic reality. Science-based knowledge, effectively communicated, can support the dual objectives of sustainably maximizing the use of groundwater for economic, social and environmental benefit while protecting against overdevelopment and contamination. IAH members can contact Andrew Stone, the Commission Director for more information at astone@agwt.org