

WATER BOND, CASGEM, ADJUDICATIONS, WATER QUALITY, DROUGHT ISSUES AND SOURCE DIVERSITY

AGWA – AGWT Annual Conference



The “must attend” event for Southern California water professionals: Water Managers, Engineers, Scientists, Attorneys and end-users

Association of Ground Water Agencies – American Ground Water Trust

WATER BOND, CASGEM, ADJUDICATIONS, WATER QUALITY, DROUGHT ISSUES AND SOURCE DIVERSITY

Monday, February 10 and Tuesday February 11, 2014
Ontario Airport Hotel, Ontario, California

PRESENTATIONS AND PRESENTERS – Monday, February 10

8:45 – 9:45 **REGISTRATION, SIGN-IN**

9:45 – 10:00 **WELCOME, OPENING REMARKS**

10:00 – 10:30 **OPENING KEYNOTE PRESENTATION**

Dr. Anthony Rendon, Assembly District 63, South Gate, CA (invited)
HOW TO BRING ACCOUNTABILITY TO THE STATE WATER BOND



Anthony Rendon, Assembly District 63, South Gate, CA

Assembly Member Rendon is the chair of the Water Bond Working Group convened by Assembly Speaker John A. Pérez that has recently completed its work on rebooting the water bond passed by the Legislature in 2009. Dr. Anthony Rendon, 63rd District, includes the communities of Bell, Cudahy, Hawaiian Gardens, Lakewood, Long Beach, Lynwood, Maywood, Paramount and South Gate. He has experience as an educator, children’s non-profit executive director, and environmental leader who has helped pass laws protecting water and air quality.

A resident of Lakewood, Rendon served as the Executive Director of Plaza de la Raza Child Development Services, adjunct professor in the Department of Political Science and Criminal Justice at California State University, Fullerton and as interim Executive Director of the California League of Conservation Voters (CLCV).

As a small businessman, Rendon worked on public transportation projects, coordinating public input, making sure neighbourhood concerns were addressed and helping build community coalitions. While Interim Executive Director of the

California League of Conservation Voters, SB 375 was enacted giving local and state officials the tools to reduce greenhouse gas emissions. He led CLCV through the successful passage of a bill banning substances containing cancer-causing perfluorinated compounds and also helped to protect water quality by working to pass bills that improved regional water and water systems and expanded the authority of the state’s Oil Spill Prevention and Response Program. Rendon attended Cerritos Community College before earning his Bachelors and Masters of Arts Degrees from California State University, Fullerton. A past recipient of a National Endowment for the Humanities Fellowship, he earned his PhD from the University of California, Riverside and completed his post-doctoral work at Boston University.

10:30 – 12:30

Session 1 - CASGEM and BEYOND

Moderator: Kirby Brill, Mojave Water Agency, Apple Valley, CA

10:30 – 11:00 Mary Scruggs, California Department of Water Resources, Sacramento, CA
(California Statewide Groundwater Elevation Monitoring Program)

CASGEM STATUS UPDATE AND FUTURE FUNDING

Mary Scruggs, California Department of Water Resources, Sacramento, CA

Mary Scruggs is a Supervising Engineering Geologist with the Regional Planning Branch of the Division of Integrated Regional Water Management at the California Department of Water Resources (DWR). Mary is the DWR Project Manager for the implementation of SB X7 6, one of the water bills enacted in November 2009. The program is named the California Statewide Groundwater Elevation Monitoring (CASGEM) and it requires monitoring of seasonal groundwater elevations in California’s groundwater basins. Mary has been with DWR since 2003 working on groundwater and integrated regional water

management programs. Prior to joining DWR, Mary worked in both the public and private sector including the California Geological Survey, Board for Geologists and Geophysicists, Department of Toxic Substances Control, US Army Corps of Engineers, and consulting firms. She is a California licensed Professional Geologist and Certified Engineering Geologist. Mary received her BS degree in Geology from UC Davis and a MS in Business Administration from Boston University.

11:00 – 11:30 Eric Oppenheimer, State Water Resources Control Board, Sacramento, CA
THE STATE WATER BOARD'S GROUNDWATER CONCEPT PAPER AND THE ROLE OF GROUNDWATER DATA AND ASSESSMENT

Eric Oppenheimer, State Water Resources Control Board, Sacramento, CA

Eric Oppenheimer is the Director of the State Water Board's Office of Research, Planning and Performance, where he is responsible for overseeing performance management, climate change, economic analysis, scientific peer review, and strategic planning. Eric has almost 20 years of experience in water resources management that has included assignments with two Regional Water Boards and the State Water Board's Division of Water Rights. Prior to his current appointment, Eric served as the Branch Chief overseeing municipal water quality investigations for the Department of Water Resources. He holds bachelor's degrees in economics, and environmental science and ecology.

11:30 – 12:00 Roy Herndon, Chief Hydrogeologist at Orange County Water District, Fountain Valley, CA
LOCAL PERSPECTIVE ON GROUNDWATER DATA MANAGEMENT: HOW TO MAKE IT WORK TO SUPPORT LOCAL AND STATE OBJECTIVES

Roy Herndon, Chief Hydrogeologist, Orange County Water District, Fountain Valley, CA

Mr. Herndon is the chief hydrogeologist at the Orange County Water District, the agency responsible for managing the 350-square-mile Orange County groundwater basin in southern California. Mr. Herndon directs the activities of OCWD's Hydrogeology Department, including numerical groundwater flow modeling, performance evaluation and improvement of two seawater intrusion barriers, basinwide and local water level and water quality investigations, and the operation of a comprehensive water resources data management system. He also serves on the Alamos Seawater Barrier Management Committee and the MCAS El Toro Restoration Advisory Board. Current activities include enhanced recharge feasibility studies, VOC plume remediation, basin storage optimization, and coastal salinity monitoring. He holds a B.A. degree in Geology from The Colorado College, a M.S. degree in Hydrology and Water Resources from the University of Arizona, and is a California professional geologist and certified hydrogeologist.

12:00 – 12:30 Kirby Brill, General Manager, Mojave Water Agency, Apple Valley, CA
UPDATE ON ASSOCIATION OF CALIFORNIA WATER AGENCIES WORK ON GROUNDWATER ISSUES

Kirby Brill, General Manager, Mojave Water Agency, Apple Valley, CA

Kirby Brill has served as the General Manager at Mojave Water Agency since October 2000. Mr. Brill has worked in the public and private sectors during his 20 plus years of experience in Water Resources management. Prior to his employment at Mojave Water Agency, Mr. Brill was the Executive Director at San Gabriel Basin Water Quality Authority and also worked for the Orange County Water District. Mr. Brill received his Bachelor of Science degree in Civil Engineering with a minor in Geology, and he also holds a Master of Business Administration. He is a licensed Professional Engineer in the State of California.

12:30 – 1:45 **LUNCH**

1:45 – 3:15

Session 2 REGIONAL ADJUDICATIONS

Moderator: Tony Zampello, Executive Officer, Main San Gabriel Basin Watermaster, Azusa, CA

1:45 – 2:15 William F. Kruse, Lagerlof, Senecal, Gosney & Kruse, LLP, Pasadena, CA
CENTRAL BASIN - ROLE OF NEW GROUNDWATER STORAGE APPROVAL ON MANAGEMENT

William F. Kruse, Lagerlof, Senecal, Gosney & Kruse, LLP, Pasadena, CA

Mr. Kruse is a managing partner of Lagerlof, Senecal, Gosney & Kruse and practices in the areas of municipal, real estate and water law. He is a graduate of the University of Southern California, Bachelor of Science, magna cum laude, in business administration in 1976 and M.B.A. in 1979. He received his J.D. in 1979 from the University of Southern California Gould School of Law. He is admitted to the State Bar of California, the United States District Court for the Central District of California and the United States Tax Court.

Mr. Kruse, has more than 30 years experience in the representation of public water districts and natural resource law, including service as general counsel and special counsel focused on water rights issues. He serves as General Counsel to the Central Basin Water Association, representing the majority of water rights holders in southern Los Angeles County. He is Special Counsel to the City of Long Beach and City of Lakewood in connection with the successful effort to amend the Central Basin Judgment to permit groundwater storage; He is a member of the working group charged with the development of the Framework for Groundwater Storage in the Central and West Coast Basins. He has provided testimony before legislative committees on numerous occasions related to water rights, governance and natural resource issues. He has made appearances before the Regional Water Quality Control Board and other entities regarding the identification, management and remediation of water contamination.

2:15 – 2:45 Frederic A. Fudacz, Nossaman, LLP, Los Angeles, CA (Attorney, Main San Gabriel Basin Watermaster)
MAIN BASIN - ASSESSMENT OF EFFECT OF 2012 CHANGES IN ADJUDICATION

Frederic A. Fudacz, Nossaman, LLP, Los Angeles, CA

Frederic Fudacz is a water lawyer, whose work includes representing water users in complex litigation involving the adjudication of water rights, representing water purveyors with contaminated groundwater supplies, and providing a wide range of legal advice to court appointed Watermasters. With more than three decades of experience, he has significant trial and negotiating skills. Mr. Fudacz has secured nearly \$500 million worth of contamination settlements in largest groundwater perchlorate pollution cases and has represented significant clients in landmark water rights adjudications, has been involved in establishing successful groundwater storage programs, and provides knowledgeable advice to developers on water reliability strategies.

Mr. Fudacz has been an expert witness on water issues in the courtroom and before the State Water Resources Control Board. He is a frequent speaker on water and groundwater contamination issues to key business and water industry groups and has been named a Southern California "Super Lawyer" for Environmental Law in 2005-2013. Mr. Fudacz received his J.D., from Harvard Law School, *cum laude*, in 1971 and his B.A. from Stanford University, *with distinction*, in 1968.

2:45 – 3:15 Tom Bunn, Lagerlof, Senecal, Gosney & Kruse, LLP, Pasadena, CA
ANTELOPE VALLEY ADJUDICATION – UPDATE REPORT ON THE LEGAL PROCESS

Tom Bunn, Lagerlof, Senecal, Gosney & Kruse, LLP, Pasadena, CA

Thomas S. Bunn III has been an attorney with Lagerlof, Senecal, Gosney & Kruse, LLP for over thirty years. He practices business law and business litigation, with emphasis on water and water rights, public agencies, real estate, commercial transactions, and bankruptcy.

In water matters, Mr. Bunn represents both public agencies and private clients, with special expertise in groundwater, water rights and water transfers. He has participated in the negotiation and implementation of groundwater management plans. He represented Western Water Company in a groundbreaking water transfer, marking the first time that the Metropolitan Water District exchanged water with a private company for delivery within its service area. He represents water producers in complex multi-party negotiations, in litigation (including several groundwater basin adjudications), and before the State Water Resources Control Board. He has successfully defended a water district's Urban Water Management Plan against a challenge from environmental groups.

Mr. Bunn represents several public agencies as general counsel, is well-versed in the Brown Act and the Public Records Act, and experienced in working directly with boards of directors. Mr. Bunn serves on the Groundwater Committee of the Association of California Water Agencies (ACWA). He participated in drafting the Groundwater Management Act (AB 3030) which allows for local control and management of groundwater. He was one of the leaders in ACWA's response to the State Water Resources Control Board's effort to classify underground waters. Mr. Bunn received his undergraduate degree from Princeton University and his law degree from U.S.C.

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

As Executive Officer for the Main San Gabriel Basin Watermaster and Raymond Basin Management Board, Mr. Zampielo answers directly to the Board of Directors and oversees groundwater quality and supply management activities as well as administration of the Basin's groundwater adjudication. He directs staff functions associated with basin management as it directly relates to groundwater production, well construction, groundwater treatment and resource planning.

Mr. Zampielo was appointed to the position of Executive Officer for the Main San Gabriel Basin Watermaster in 2012 and to Raymond Basin Management Board in 2002. Including his time with Watermaster, Mr. Zampielo has more than thirty years of water management and resource planning experience in the San Gabriel Valley with local Municipalities and Special Districts.

He holds a Bachelor's Degree in Business Management and is certified by the State of California as a Water Treatment Operator and Water Distribution Operator. Mr. Zampielo is currently President of The Association of Ground Water Agencies (AGWA) and currently serves on the Greater Los Angeles IRWMP as Water Management Area Representative for Groundwater. He is also the Executive Secretary for the San Gabriel Valley Water Association and Central Basin Water Association.

3:15 – 3:30 **BREAK**

3:30 – 5:00

Session 3 - WATER QUALITY CHALLENGES

Moderator: John Rossi, General Manager, Western Municipal Water District, Riverside CA

3:30 – 4:00 Michael Marcus, General Manager, Orange County Water District, Fountain Valley, CA
Orange County's legal battles regarding authority over pollution issues

Michael Marcus, General Manager, Orange County Water District, Fountain Valley, CA

With more than 30 years of experience, Mike is well known for his expertise in construction management, planning and water resource management. He joined OCWD in 1988 as construction manager and for the first 14 years of his career at the District oversaw construction of many of the OCWD water facilities. In 2002 he was given the responsibility to manage the implementation of the \$481 million Groundwater Replenishment System (GWRS) program. The largest of the projects was the \$300 million Advanced Water Purification Facility, a 70 million gallon per day advanced membrane reclamation facility, which utilizes microfiltration, reverse osmosis and ultraviolet light with hydrogen peroxide addition to purify secondary treated wastewater. In 2004, Mike was promoted to assistant general manager overseeing water production and groundwater recharge operations, in addition to serving as program manager for the GWRS.

Prior to OCWD, Mike spent two years with John Carollo Engineers and eight years with Peter Kiewit Sons' Co. He earned his BS in civil engineering from California State Polytechnic University, Pomona, and a MS in civil engineering from the University of Southern California. He is a registered Civil Engineer in the state of California

4:00 – 4:30 Douglas Headrick, General Manager, San Bernardino Valley Municipal Water District, San Bernardino, CA
Water Quality Challenges for Southern California Water Districts

Douglas Headrick, General Manager, San Bernardino Valley Municipal Water District Mr. Headrick has been involved in California water for over 20 years including management experience at both special districts and a city utility. He specializes in the development and implementation of regional, collaborative projects. He also represents Valley District as a Board member on the State Water Contractors Association and the Southern California Water Committee.

Mr. Headrick holds Bachelor's and Master's Degrees in Civil Engineering from the University of Illinois and a Master's of Business Administration from California State University, San Bernardino, and is a registered Professional Civil Engineer in California.

He is also a volunteer trainer specializing in well drilling and hand pump repair for Lifewater International and travels to developing countries to educate nationals in water resource techniques and transformational development.

4:30 – 5:00 John Rossi, General Manager, Western Municipal Water District, Riverside CA

Santa Ana Watershed's efforts to work with the Santa Ana Regional Board regarding imported water recharge and related emerging constituent issues

John Rossi, General Manager, Western Municipal Water District, Riverside CA

As General Manager of the Western Municipal Water District, John Rossi manages the 527-square mile water resource agency. Mr. Rossi's duties include responsibility for the planning, direction and management of the water, wastewater, nonpotable and recycled water activities and operations of the District. Mr. Rossi is a court-appointed Watermaster for the Santa Ana River Watershed and Western judgments. Western is a member agency of the Metropolitan Water District of Southern California, the Santa Ana Watershed Project Authority (SAWPA) and the Western Riverside Council of Governments (WRCOG). Prior to his employment with Western, Mr. Rossi was the Chief Executive Officer of the Chino Basin Watermaster, and General Manager of the Elsinore Valley Municipal Water District.

John Rossi is a board member with several entities - the WaterReuse Association, the Urban Water Institute, the University of California, Riverside Water Science & Policy Center's Advisory Board and the California Baptist University Board of Visitors. Mr. Rossi previously served as a member of the Board of Directors for the Rancho California Water District in Temecula, California. In 2013, Mr. Rossi was recognized by ACWA with the Excellence in Water Leadership Award for his long history of leadership, problem-solving and numerous other contributions to California water.

Mr. Rossi is a former Board member of the American Ground Water Trust

5:00 – 6:15 **RECEPTION - CASH-BAR**

PRESENTATIONS AND PRESENTERS – Tuesday, February 12

8:30– 10:00

Session 4 - DROUGHT MANAGEMENT DECISIONS - CHALLENGE OF DETERMINING CO-EQUAL GOALS

Moderator: Adán Ortega, AOA Associates, Fullerton, CA

Ron Gastelum, Principal, Water Conservation Partners, Los Angeles, CA

Ben Drake, President, Drake Enterprises, Inc., Temecula, CA

Barry Nelson, Owner, Western Water Strategies, San Francisco, CA

Adán Ortega, AOA Associates, Fullerton, CA

With nearly 30 years of experience spanning 25 U.S. States and 60 U.S. and Canadian cities, AOA founder Adán Ortega is a noted expert in water, agriculture, public accountability and community empowerment. He is well known for helping potential clients identify the help they need when facing public communications challenges. Adán works with partner professionals and as part of in-house leadership teams - thus the term "Associated" - taking responsibility for making things happen *fast*. For over 25 years Adán has specialized in difficult situations innovating his "Quick Start" strategic approach helping the teams with which he works.

Ron Gastelum, Principal, Water Conservation Partners, Los Angeles, COA, Fullerton,

Ron graduated from UCLA Law School in 1971. He has focused on environmental, municipal, and corporate law, with a particular emphasis on water, waste management, and energy.

Mr. Gastelum served as the Chief Executive Officer of the Metropolitan Water District of Southern California managing an annual budget of over \$1 billion, serving the 18 million residents of urban Southern California. Mr. Gastelum led the agency to further diversify the region's water supply sources with the development of new large water transfer, groundwater banking, reclaimed water, and conservation programs. This was during a period of extended drought conditions, a statewide energy crisis, and a major reduction in Southern California's Colorado River water rights. Since retiring from Metropolitan in December 2004, Mr. Gastelum has served in an interim capacity as Executive Vice President of the L.A. Area Chamber of Commerce and as the Interim Executive Director of

the Southern California Water Committee. He is a Principal in Water Conservation Partners, a water supply company that advises various public and private entities on water supply and related energy strategies.

Ben Drake, President, Drake Enterprises, Inc., Temecula, CA

Mr Drake manages 825 acres of avocados and 400 acres of wine grapes in the Temecula Valley. Ben is a 5th generation farmer in Riverside County. He earned his Bachelor of Science degree from Fresno State, and was a member of Class XII of the California Agricultural Leadership Program. He is the Past Chairman of the California PD/GWSS Board and member of the PD/GWSS Task Force, a member of the Agricultural Leadership Associates, a member of UCR Chancellor's Agricultural Advisory Council, on the Board of Directors of the Rancho California Water District, Past President of the Riverside County Farm Bureau, Member of The Riverside County Solid Waste Management Adv. Past Vice President of the USDA Hass Avocado Board, Past President of the Temecula Valley Winegrape Growers Association, Member of the Murrieta/Temecula Group, past Chairman for the California Association of Wine grape Growers, Member of the California Wine grape Grower Foundation Board, and 4H All-Star in Riverside County.

Barry Nelson, Owner, Western Water Strategies, San Francisco, CA

Barry Nelson is the owner of Western Water Strategies, an environmental consulting firm. He is former director of the Natural Resources Defense Council's Western Water Project. Mr. Nelson has been active on California water issues for two decades, with a particular focus on protecting the Bay-Delta Estuary and its tributary rivers, and on advancing sustainable water management policies. He was the chair of the successful campaign for the passage of the Central Valley Project Improvement Act. He has been active in the restoration of the San Joaquin River, the CALFED Bay-Delta Program, the Delta Vision process and many other efforts. He has been a leader in exploring the connections between climate change, energy and water management. Prior to NRDC, Mr. Nelson was on the staff of Save The Bay in Oakland, serving nine of those years as Executive Director. Mr. Nelson is a graduate of the University of California at Berkeley, with a BA in economics and rhetoric and a MA in rhetoric.

10:00 – 10:30 BREAK

10:30 – 11:30 **KEYNOTE PRESENTATION**

Jim Thebaut, President and CEO of The Chronicles Group
THE WATER CRISIS IN SOUTHERN CALIFORNIA

This session will include screening of the movie **The American Southwest: ARE WE RUNNING DRY?** Jim Thebaut's presentation will provide background to the documentary and will outline his perspectives on the water crisis in Southern California.



Jim Thebaut, President and CEO of The Chronicles Group

Jim Thebaut has expertise and extensive achievements as an environmental planner, journalist, Executive Producer of documentaries, educator, world traveler and ambassador of diplomacy and a public policy expert. As Chief Executive Officer, President and Executive Producer of the Chronicles Group, Inc, a nonprofit 501(c)(3) Corporation he's influencing critical public policy about the threat of the evolving global humanitarian water crisis and its dire effect on international security. He has managed multi-disciplinary teams and created the public information education documentary feature projects **The American Southwest: Are We Running Dry?, Running Dry, The Cold War And Beyond** and his most recent video's **The Senator Paul Simon Water For The World Act Of 2011** and **Running Dry: Beyond The Brink**.

He organized Capitol Hill events in 2005 and 2007 which led to the enactment of the Senator Paul Simon Water for the Poor Act which authorizes funding for water and sanitation in developing nations. On Capitol Hill in 2009 he organized a *National Water Policy* event, in 2010 an event focusing on *Drought, Water Scarcity and International Security in the 21st Century* and in 2011, a *Water Education* Event at the United Nations. He has been affiliated with, and produced for CBS, ABC News, HBO, The Arts & Entertainment Network, Public Television and his films have been distributed and broadcast throughout the world.

As President of Jim Thebaut Associates and Vice President, Environmental Services for Northwest Environmental Technology Labs, Thebaut managed multi-disciplinary technical teams through successful execution of complex environmental projects in the Pacific Northwest. He managed teams of scientists, sociologists, economists and other experts and accomplished hundreds of environmental impact statements, energy and regional planning studies which have led to major public policy and a model for groundbreaking environmental analysis. Specifically, he managed the first programmatic environmental impact statement ever accomplished in the United States, THE ENERGY 1990 STUDY which established energy conservation policy in the City of Seattle and Pacific Northwest. Jim Thebaut holds a MS degree from the University of California at Los Angeles, a BA degree from California State University at San Francisco and Bachelors in Landscape Architecture (BLA) from the University of Washington.

The American Southwest: ARE WE RUNNING DRY?

is a definitive look at how the water crisis affects the American Southwest states and its escalating economic toll. It gives audiences an in-depth awareness and education of the water crisis in the United States.

Jane Seymour says, "As in the rest of the world, significant water problems exist in the Southwest states because of severe drought, urban development, agricultural uses and population growth. The overwhelming need to solve these issues in the United States and the world is crucial through education and planning. The severity of the American water crisis cannot be underestimated."

"This film plays a vital role in communicating the seriousness of the challenge in showing people there are solutions and we are addressing those solutions for the future." Tim Brick, Metropolitan Water District. From the White House to the House of Representatives, Jim Thebaut interviews key thought leaders for an intelligent and informed discussion about the evolving water crisis



11:30 - 12:30

Session 5 - ASSURING SUPPLY RELIABILITY BY TREATMENT
Moderator: Andrew Stone, American Ground Water Trust, Concord, NH

11:30 – 12:00 Shivaji Deshmukh Assistant General Manager, West Basin Municipal Water District, Carson, CA
WEST BASIN'S EXPERIENCE WITH OCEAN DESALINATION FOR WATER SUPPLY

Shivaji Deshmukh Assistant General Manager, West Basin Municipal Water District, Carson, CA

Shivaji's Deshmukh has comprehensive experience in water recycling, engineering, operations, public information and budget and finance. Deshmukh oversees West Basin's recycling operations and engineering, and has been involved with the doubling of West Basin's water recycling production and the expansion of its ocean-water desalination program. West Basin aims to increase production of desalinated ocean-water to comprise 10% of the drinking water supplied to customers by 2020

Deshmukh previously was at Orange County Water District where he managed the implementation of its Groundwater Replenishment System that uses membrane treatment to treat water. Deshmukh is a licensed engineer with experience managing design, construction, engineering, operations, finance, procurement, regulatory compliance, planning, and public and government outreach projects. Deshmukh earned his Bachelor's and Master's degrees from the University of California, Los Angeles, and has been active in both WaterReuse and the American Waterworks Association. He has made presentations on water topics in Dubai, Istanbul, Zaragoza (Spain), Greece, Seoul and Stockholm.

12:00 – 12:30 Reymundo Trejo, Asst. General Manager & Chief Engineer, Upper San Gabriel Valley MWD, Monrovia, CA
UPPER DISTRICT'S EXPERIENCE WITH MICROFILTRATION AND INDIRECT REUSE RECHARGE

Reymundo Trejo, Asst. General Manager & Chief Engineer, Upper San Gabriel Valley MWD, Monrovia, CA

Since December 2010, Mr. Reymundo Trejo serves as the Assistant General Manager and Chief Engineer of the Upper District. Mr. Trejo is responsible for managing several large scale water resources projects including a \$52 Million Water Reuse Program, and is in charge of developing a \$100 Million Indirect Reuse Recharge Project in the San Gabriel Valley.

Prior to joining the Upper District, Mr. Trejo's professional experience includes serving as the District Director for AECOM Water, a global engineering consulting firm, where Mr. Trejo provided professional services to several clients including the Los Angeles Department of Water and Power, the Metropolitan Water District, the City of LA's Bureau of Engineering and the Bureau of Sanitation.

Mr. Trejo also brings public experience having worked at the Metropolitan Water District of Southern California, the Long Beach Water Department and the City of Ontario Public Works. Through the span of his career, Mr. Trejo has been responsible for implementing more than \$400 Million in Capital Improvement Programs for regional, coastal and inland agencies in the Western United States. Mr. Trejo graduated from the University of Southern California with a degree in Civil and Environmental Engineering and currently holds a Professional Engineer license in Civil Engineering and a T2 Water Treatment Certification in the state of California.

12:30– 1:30 **LUNCH**

1:30– 3:30

Session 6 PLANNING FOR WATER SUPPLY & DEMAND (State, Regional, Local)

Moderator: Tony Morgan, Groundwater Department Manager, United Water Conservation District, Santa Paula, CA

Michael Floyd, Engineer, California Department of Water Resources, Regional Planning Branch, Sacramento, CA
STRATEGIC PLAN FOR THE FUTURE OF INTEGRATED REGIONAL WATER MANAGEMENT (IRWM) IN CALIFORNIA

Michael Floyd, Engineer, California Department of Water Resources. Mike is the project manager for the Strategic Plan for the Future of IRWM in California and chief of DWR's Regional Partnerships Section for IRWM. Over the years, Mike has held various positions with DWR, the State Water Resources Control Board, and the Central Valley Regional Water Quality Control Board. Before working for the state, Mike was a project manager for two engineering consulting firms and worked on surface water and groundwater resources projects throughout the United States. Prior to consulting, he worked for the University of Arizona, Department of Hydrology and Water Resources developing numerical modeling methods for groundwater. Mike is a hydrologist, Registered Professional Civil Engineer, and is a former planning commissioner for the City of Dixon, California.

Brian Moinz, Senior Engineer, California Department of Water Resources, Southern District Office, Glendale, CA
THE CALIFORNIA WATER PLAN – PLANNING FOR THE FUTURE

Brian Moinz, Senior Engineer, California Department of Water Resources. Brian works in the Division of Integrated Regional Water Management out of the Southern Region Office. He is the Chief of the Special Projects Section, and manages a team of engineers which works on the California Water Plan and the Prop 84 and 1E grant programs. He is the Southern Regional Office Lead for the IRWM Grant Program managing the Prop 84 IRWM Planning and Implementation grants as well as the Prop 1E Stormwater Flood Management grants, and the Local Groundwater Assistance Grants. Moinz is the Regional Coordinator representing the Southern Region Office, and is also the Southern Region Emergency Operations Coordinator.

Danny Merkley, Director of Water Resources, California Farm Bureau Federation, Sacramento, CA
AGRICULTURAL INDUSTRY PERSPECTIVE ON PLANNING FOR FUTURE WATER SUPPLY

Daniel Merkley, Director of Water Resources, California Farm Bureau Federation. Danny Merkley joined the California Farm Bureau Federation as director of water resources in December 2007. He represents Farm Bureau before the state Legislature and regulatory agencies on policy issues related to water development and water quality.

Prior to joining Farm Bureau, Danny was district director for Congressman Dan Lungren, Republican from Gold River. He previously worked as agricultural liaison with the State Water Resources Control Board, where he specialized in water quality issues and carried farmers' and ranchers' concerns to the regional and state water boards. Earlier, he served as agricultural commissioner liaison with the California Department of Pesticide Regulation.

Danny grew up and worked on the family farm in Solano and Yolo counties, is a former member of the Solano County Farm Bureau board of directors and is currently a member of the Yolo County Farm Bureau. He has also been active in a number of other agricultural and community organizations and is a graduate of the California Agricultural Leadership Program.

Tony Morgan, Groundwater Department Manager, United Water Conservation District, Santa Paula, CA
THE UNCERTAINTIES THAT BEDEVIL GROUNDWATER PLANNING AT DISTRICT LEVEL

Tony Morgan, Groundwater Department Manager, United Water Conservation District. Tony Morgan (PG, CHG) holds graduate and undergraduate degrees in Geology from Indiana University and has been with UWCD since 2009; prior to that he was Western Region Manager for Layne Geosciences. The Groundwater Department is responsible for providing hydrogeological expertise to assist the District in managing groundwater resources in eight basins. The department operates an extensive hydrologic data collection system that includes water level measurements (~400 wells), water quality sampling and analysis (~160 wells), and stream gauging on the Santa Clara River and associated tributaries. The department also maintains and updates the regional groundwater flow model, performs field investigations (e.g., surface geophysical surveys) to improve the District's understanding of the controls on groundwater flow, evaluates the impacts of groundwater utilization and conservation options on resource availability and serves as an in-house and County-wide resource on groundwater supply, water quality, and water resource management. Ventura County ranks 14th among all counties in the U.S. in agricultural production, with over 1.5 billion dollars in annual revenues, largely due to reliable water. Since 2008 Tony Morgan has served as a Director on the Board of the American Ground Water Trust and has been the President of the Groundwater Resources Association of CA - Central Coast Branch since 2011.

3:30 ADJOURN

REGISTRATION FORM – ONTARIO, CA – AQUIFER RECHARGE

Registration – 2014 program	Two Day Feb 10 <u>and</u> Feb 11	One Day Feb 10 <u>or</u> Feb 11
YOU MUST CHECK ONE: <i>Registration includes: handouts, breaks and lunch(s)</i>	<input type="checkbox"/>	<input type="checkbox"/> OR <input type="checkbox"/>
General Registration	<input type="checkbox"/> \$350	<input type="checkbox"/> \$190
AGWT, AGWA and GRA members	<input type="checkbox"/> \$300	<input type="checkbox"/> \$160
Government Employee (County, State, Federal)	<input type="checkbox"/> \$300	<input type="checkbox"/> \$160
Full-Time Student (ID required at Registration)	<input type="checkbox"/> \$100	<input type="checkbox"/> \$ 50
CD (Presentation information from speakers mailed Post Event; \$75 for non-registrants)	<input type="checkbox"/> \$30	
Exhibit Table (You must also register to attend.)	<input type="checkbox"/> \$300	
Total for all checked boxes	\$	

PAYMENT TOTAL \$ _____ CHECK [payable: American Ground Water Trust]

AMEX VISA/MC PO # _____

Card # _____ Expiration Date _____

Cardholder Name _____

Registrant Name _____

Registrant E-mail _____ Registrant Phone _____

Professional Training _____ Job Title _____

(Engineer, water operator, geologist, finance, attorney etc.)

Company _____

Address _____

City _____ State _____ Zip _____

CANCELLATION POLICY

- Cancellations received in the AGWT office by 5 pm (ET) 5 days prior to the start of the event will receive a full refund less a \$25 processing fee.
- Cancellation 4 to 2 days prior to the start of the event will receive a 50% registration refund.
- Cancellations one day before the start of the event or on the day of the event are considered "No Shows." Refunds will not be made for "No Shows" (Substitutions gladly accepted).
- The AGWT will not cancel a program because of bad weather conditions. Except that, in the event of an event cancellation resulting from, (but not limited to) circumstances such as a state mandatory evacuation or a fire at the program facility, the AGWT will reschedule the event and honor registrations as payment for the new event.



Register online: www.agwt.org



Mail to: American Ground Water Trust, 50 Pleasant Street, Concord, NH 03301



Phone: (800) 423-7748 (between 9:00 & 4:30 eastern)

Email: trustinfo@agwt.org



Return by fax: (603) 228-6557

HOTEL INFORMATION

Ontario Airport Hotel, 700 North Haven Avenue, Ontario, CA 91764

For conference attendees: Free self-parking. Free wireless internet in guestrooms. Complimentary 24 hours shuttle service to and from Ontario airport, Hotel sleeping room rate of \$89 per night (rate good two days before and after the event). For reservations call - 909-980-0400 tell the reservations clerk you are attending the "water conference." The Hotel is one mile north of the Ontario International Airport. It is located just off the 10 Freeway. Take the Haven Avenue Exit. The hotel is on the southeast corner of Haven Avenue and Inland Empire Blvd. just north of 10 Freeway.

EXHIBIT AND SPONSORSHIP OPPORTUNITIES

Exhibitors: All exhibitors will be recognized in the conference program and will be offered a complimentary full page advertisement in the conference program (black & white). Exhibit tables are 8 feet long and skirted. Conference registration for exhibitors is required. Exhibits will be in the hotel atrium immediately outside the conference room. The atrium will be used for registration, coffee & breaks and the Monday evening reception.

Sponsors: We are pleased to receive event sponsorships. All sponsors will be offered a complimentary full page advertisement in the conference program (black & white). Benefits of sponsoring at the \$500 level include: distribution of company/organization literature to registrants, web-site listing as a sponsor, recognition in the conference program and an electronic participant registration list. Sponsors at the \$1,000 level are also entitled to a complimentary exhibit table. Sponsors above the \$1,000 level, will receive a complimentary registration for every \$500 above \$1,000.

For more details, or for customized sponsorship opportunities (such as sponsoring lunch), call the AGWT office (800 423 7748) .