

# WRRC ANNUAL CONFERENCE 2011

## Salinity and Desalination in the Southwest: Challenges and Solutions

Tuesday and Wednesday, April 26-27, 2011

Pivot Point Conference Center/Hilton Garden Inn Yuma  
Yuma, Arizona

## Speaker/Moderator Bios



Water Resources  
Research Center

*WRRC Annual Conference, April 26-27, 2011*

## Angela Adams

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### Research Coordinator- Yuma Area Office U.S. Bureau of Reclamation

Angela Adams serves as the Research Coordinator for Reclamation's Yuma Area Office - home to the Water Quality Improvement Center (WQIC), an advanced water treatment research center, one of six National Centers for Water Treatment Technologies and the only center focused on inland brackish water, both surface and groundwater. The Technology Transfer Act of 1996 makes facilities like the center available to more quickly move advanced water treatment technologies into widespread use.

Adams began her career with Reclamation in 1985 as an editorial clerk in the Public Affairs Office, moving to the position of Special Assistant to the Area Manager in 1993, then to various assignments in the Yuma Area Office water operations and desalting divisions. In 2008, Adams became research coordinator, and under her direction, the program focuses on new technology development, sustainable water treatment technologies, and infrastructure renewal and improvements. Adams holds a Masters of Business Administration from Webster University and a certification in project management from the Project Management Institute.



**Angela Adams**

U.S. Bureau of Reclamation  
7301 Calle Agua Salada  
Yuma, AZ 85364  
928-343-8114  
aadams@usbr.gov

## John E. Balliew

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### Vice-President of Operations & Technical Services El Paso Water Utilities

John Balliew has been with El Paso Water Utilities Public Service Board since April 1983. Under the leadership of Mr. Edward Archuleta, he is responsible for managing the operation of water, wastewater, reclaimed water service, and storm water to the greater El Paso metropolitan area. Mr. Balliew is a registered Professional Engineer in the State of Texas. He earned a BS degree in Chemical Engineering from Texas A&M University. He is on the Board of Directors of the American Membrane Technology Association.



**John E. Balliew**

El Paso Water Utilities  
1154 Hawkins Blvd  
El Paso, TX 79925  
915-594-5595  
jeballiew@EPWU.org

## Ken Burris

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### Principal Consultant, Water and Wastewater WorleyParsons

Ken Burris is a Principal Water-Wastewater Consultant for WorleyParsons, based in Houston, Texas. He is the Water Sector Lead for the United States and Caribbean. Ken has over 34 years of professional experience in industrial water purification and industrial wastewater treatment, many integrating membrane separation. He has experience in brackish and seawater desalination, as well as industrial application using membranes. Ken has extensive experience working on domestic and international projects. His experience includes the broad global issues related to industrial water purification, industrial wastewater treatment, water resource management, recycle/reuse and sustainability.



**Ken Burris**

WorleyParsons  
6330 W. Loop South  
Houston, TX 77401  
713-354-5536  
Cell: 941-661-5546  
ken.burris@worleyparsons.com

## Tom Buschatzke

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### Water Advisor City of Phoenix

As the City of Phoenix' Water Resources Management Advisor since December 2002, Tom Buschatzke is responsible for water resource management policy development and works with City executive staff, the City Manager, the Mayor, and with members of City Council on a variety of water issues. Mr. Buschatzke also serves as the City's liaison with the Salt River Project, the Central Arizona Project and the Arizona Department of Water Resources.

Mr. Buschatzke's career in Arizona water resources began with a 1982 Arizona Department of Water Resources internship in the Phoenix AMA and he ultimately became a Program Manager in the Adjudications Division. He began working for the City of Phoenix in 1988 as a Hydrologist in the Law Department where he provided assistance to City management and attorneys on issues relating to the City's water rights, water use and water supply.

Mr. Buschatzke is on the Board of Director's of the Western Urban Water Coalition and serves as Chair of their Endangered Species Act Committee. He is the Co-Chair of the Statewide Water Resources Development Commission and was on the Governor's Blue Ribbon Panel on Water Sustainability where he served as Co-Chair of the Regulatory and Permitting Group. He is a Commissioner on the Arizona Water Banking Authority and on the Arizona Water Protection Fund. He was Phoenix's representative on the Statewide Water Advisory Group and is on the Governor's Colorado River Advisory Council. He serves on the External Advisory Committees of the University of Arizona's Water Sustainability Program and Water Resources Research Center and the Decision Center for A Desert City at Arizona State University.



**Tom Buschatzke**

City of Phoenix  
City Manager's Office  
200 W. Washington St., 12<sup>th</sup> floor  
Phoenix AZ 85003  
602-261-8532  
tom.buschatzke@phoenix.gov

## Guy Carpenter

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### Vice-President Carollo Engineers

Guy Carpenter is a Vice-President with Carollo Engineers, responsible for water resources and water reuse strategic planning. Guy was born and raised in Arizona, has a bachelor's degree in Chemistry from Northern Arizona University, and is a registered professional civil engineer in Arizona. He was the project manager for a recent study funded by SRP and CAP on determining costs for desalinating Sea of Cortez water and conveying it to the Imperial Dam for possible exchanges on the Colorado River and beneficiaries in Arizona, California, and Mexico.

Carpenter is currently managing a project to evaluate electro dialysis and forward osmosis technologies for the purpose of volume reduction and water recovery associated with brine from reclaimed water that has been treated with RO. His talk will cover information gained from both of these studies, as well as another study that Carollo did for CAP on the technologies and costs associated with brackish groundwater desalination in Arizona.



**Guy Carpenter**

Carollo Engineers  
4600 E. Washington St., Suite 500  
Phoenix, AZ 85034  
Cell: 602-689-2678  
gcarpenter@carollo.com

## Tina Clark

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### Historian and Archeologist Yuma Crossing National Heritage Area

Tina Clark is the Historian/Archaeologist for the City of Yuma tasked to the Yuma Crossing National Area. She also serves as the Director of Programming and Curator for the Yuma Territorial Prison and the Yuma Quarter Master Depot, both within the Yuma Crossing National Historic Landmark. Deeply involved in almost every historic project in the City's Redevelopment Plan, she brings years of experience to her work. A native of San Diego, she has extensive construction and preservation experience and has consulted on large projects in Las Vegas, San Diego, Los Angeles, Phoenix, and Tucson. Her background in historic preservation stems from projects in San Diego's Old Town, the Gas Lamp District, and Balboa Park. She has academic credentials (BA, MA) in History and Archeology and has done field archeology at the San Diego's Mission and Presidio, and remains the curator of the Chinese porcelains found at those sites. She is an active member of the National Trust for Historic Preservation, is on the National Geographic Arizona-Sonora Geo-tourism Council, and is the Yuma Chair of the Anza Trail Coalition and Anza Foundation.



**Tina Clark**

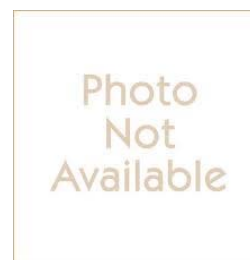
Yuma Crossing National Heritage Area  
180 W. 1<sup>st</sup> Street #E  
Yuma, AZ 85364  
928-373-5194  
Tina.clark@yumaaz.gov

## Shivaji Deshmukh

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### **Assistant General Manager West Basin Municipal Water District**

Shivaji Deshmukh is the Assistant General Manager at West Basin Municipal Water District. Since April 2010, he has overseen recycling operations and engineering, which includes the doubling of West Basin's water recycling production and expansion of its ocean-water desalination program. Mr. Deshmukh comes to West Basin from Orange County Water District where he, most recently, managed the implementation of its Groundwater Replenishment System. He is a licensed engineer with experience managing engineering, finance, planning, and public and government outreach. Deshmukh earned his Bachelor's and Master's degrees in Civil Engineering from the University of California, Los Angeles, and has been active in both WaterReuse and the American Waterworks Association.



### **Shivaji Deshmukh**

West Basin Municipal Water District  
17140 S. Avalon Blvd., #210  
Carson, CA 90746  
310-660-6229  
Shivajid@westbasin.org

## Kira Finkler

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### **Deputy Commissioner, External and Intergovernmental Affairs U.S. Bureau of Reclamation**

Kira Finkler joined Reclamation's executive management team in August 2009, after being named Deputy Commissioner, External and Intergovernmental Affairs by President Barack Obama. She directs Reclamation's Congressional, Legislative and Public Affairs activities, while also managing the agency's interaction among federal and non-federal governments as well as national-level citizen groups. Prior to joining Reclamation, Finkler served as Counsel to the Committee on Energy and Natural Resources in the United States Senate where she provided advice and analysis to Members of the Committee regarding natural resources policy and legislation. She also served as Counsel to the Committee from 1996-2003 and 1993-1994. From 2004 to 2007, Finkler was the Senior Policy Advisor and Government Affairs Director for Trout Unlimited. In this capacity she developed and implemented strategies to secure federal funding and support for several restoration projects nationwide. She also served as Environmental Legislative Assistant in the Office of Senator Dale Bumpers from 1995 to 1996 and Special Assistant to the Director of the Bureau of Land Management in 1995. Finkler received her Juris Doctorate degree from the Washington College of Law at American University in Washington, DC. She also earned a Bachelor of Arts degree in Political Science from the University of Arizona.



### **Kira Finkler**

U.S. Bureau of Reclamation  
1849 C Street, NW  
Washington DC 20240  
202-513-7636  
kfinkler@usbr.gov

## Karl Flessa

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**Director  
School of Earth and Environmental Sciences  
Department of Geosciences, University of Arizona**

Karl Flessa is Director of the School of Earth and Environmental Sciences and Professor of Geosciences at the University of Arizona. He also directs the Monitoring Program for the Ciénega de Santa Clara, a binational effort to document the Ciénega's water quality, vegetation and bird life during the trial run of the YDP. He established the National Science Foundation-sponsored Research Coordination Network – Colorado River Delta. The RCN-CRD is a network of natural scientists, social scientists and legal scholars that facilitates interdisciplinary, inter-institutional, and international research on the Colorado River Delta.

Karl Flessa received his undergraduate degree from Lafayette College and his Ph.D. from Brown University. A paleontologist by training and a conservation biologist by choice, he and his students have been working on the Colorado River Delta since 1992. His current research focuses on the use of skeletal remains and stable isotopes in conservation biology, transboundary ecosystem services, and the environmental effects of water diversions. He has authored more than 100 scientific articles and co-edited four books, including *Conservation of Shared Environments: Learning from the United States and Mexico*.



**Karl Flessa**

Department of Geosciences  
University of Arizona  
Tucson, AZ 85721  
520-621-6000  
kflessa@email.arizona.edu

## Charles Flynn

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**Executive Director  
Yuma Crossing National Heritage Area Corporation**

Charles Flynn has served as the Executive Director of the Yuma Crossing National Heritage Area Corporation since its inception in 2000. Under his leadership, the Heritage Area is guiding \$100 million of public and private investment along the Lower Colorado River. Charles Flynn graduated from Stanford University in 1974 with a BA/MA in American History. He worked for Mayor Edward Koch of New York from 1974-1981. From 1981-1993, he served as CEO of a family-owned resort in western Pennsylvania, during which time he also served on City Council in Meadville, Pa. From 1994 to 1999, he led a \$25 million riverfront redevelopment project in Wheeling, West Virginia.



**Charles Flynn**

Yuma Crossing Nat'l Heritage  
Area Corporation  
180 West 1st Street Suite E  
Yuma Arizona  
928-373-5192

## Michael Gabaldon

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### Director, Technical Resources U.S. Bureau of Reclamation

Michael Gabaldon is the Director Technical Resources for the Bureau of Reclamation. The position, located in Denver, Colo., oversees Reclamation's Technical Service Center, Research and Development Office, the Power Resources Office, and the Design Estimates and Construction Office. He began his career with Reclamation in 1982 as a Construction Engineer at the Montrose Projects Office in Colorado where he worked as a construction inspector on Ridgway Dam. In 1989, he relocated to the Durango Projects Office where he was a design engineer on the Anima-La Plata Project. In 1991, Mr. Gabaldon moved to the Bend Construction Office in the Pacific Northwest Region, where he served as Office Engineer. From 1996-98, he served as Reclamation's Pacific Northwest Regional Liaison Officer in Washington, D.C. In 1998, he moved on to be the Area Manager in Albuquerque where he was responsible for Reclamation program activities in the Rio Grande basin, the Pecos River basin, and the Canadian River basin - spanning three states from southeastern Colorado through New Mexico and west Texas. In 2001, Mr. Gabaldon relocated to Washington, D.C, to serve as the Deputy Director of Operations. In this capacity, his responsibilities included program coordination among Reclamation's regional and area offices. In 2003, he was promoted to Director of the Policy, Management, and Technical Services organization in Denver, CO, where he was responsible for the Office of Program and Policy Services, Chief Information Office, Technical Service Center, Research and Development Office, International Affairs, and Management Services Office. He also served as the Secretary's Designee and Chairman of the Glen Canyon Dam Adaptive Management Work Group. A native of New Mexico, Mr. Gabaldon earned a Bachelor of Science degree in Civil Engineering from the University of New Mexico, and holds a degree in Water Technology/Utilities from New Mexico State University. He also completed the Executive Leadership Program at Harvard University's Kennedy School of Government. He is a registered Professional Engineer.



**Michael Gabaldon**

U.S. Bureau of Reclamation  
PO Box 25007  
Denver, CO 80225  
303-445-3750  
mgabaldon@usbr.gov

## Chuck Graf

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### Senior Hydrologist Arizona Department of Environmental Quality

Chuck Graf is currently employed as a Senior Hydrologist in the Water Quality Division of the Arizona Department of Environmental Quality. From 2006-2009, he served as an Associate Director of the Arizona Water Institute. Before that, for eight years, he was the Deputy Director of the Water Quality Division at ADEQ. He received a B.S.E. degree in Engineering Science from Arizona State University and is a Registered Geologist in Arizona. While employed with the Arizona Water Institute, Mr. Graf managed several grants awarded to researchers at Arizona universities to improve the efficiency of desalination technology in arid regions.



**Chuck Graf**

Arizona Dept. of Environmental Quality  
1110 W. Washington St.  
Phoenix, AZ 85007  
602-771-4661  
cgg@azwaterinstitute.org

## Lorri Gray-Lee

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### Lower Colorado Regional Director U.S. Bureau of Reclamation

Lorri J. Gray-Lee was appointed Regional Director of the Bureau of Reclamation's Lower Colorado Region, Headquartered in Boulder City, Nevada, in 2007. The Region encompasses southern Nevada, southern California, most of Arizona, and small portions of Utah and New Mexico. The Region's programs include management of 700 miles of the Colorado River, extending from Lee's Ferry in northern Arizona to the Mexican border. It operates and manages Hoover, Davis and Parker Dams and oversees numerous other facilities originally constructed by Reclamation and still under its ownership. The Region also serves as Water Master of the Lower Colorado River on behalf of the Secretary of the Interior.

In her 25 years of federal service with Reclamation's Lower Colorado Region, Gray-Lee has held several management positions, including Deputy Regional Director and regional liaison in the Office of the Commissioner in Washington D.C. and Program Manager of the Lower Colorado River Multi-Species Program (MSCP) where she was responsible for implementing the MSCP on the lower Colorado River. This multi-agency program provides 50 years of Endangered Species Act compliance for 41 entities in the states of Arizona, California, and Nevada and six federal agencies that manage or utilize the water and power resources of the lower Colorado River. Trained in facilitation and mediation, she has coordinated and collaborated with federal, non-federal, and non-government organizations on Colorado River issues and worked on key regulations affecting management of the lower Colorado River. Gray-Lee received the Superior Service Award and the Meritorious Service Award, two of the Department of the Interior's highest for career employees. She has a Bachelor of Science degree in business administration from the University of Phoenix.



**Lorri Gray-Lee**

U.S. Bureau of Reclamation  
Lower Colorado Regional Office  
P.O. Box 61470  
Boulder City, NV 89006-1470  
702-293-8411  
lgray@usbr.gov

## Bill Hasencamp

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### Colorado River Program Manager Metropolitan Water District of Southern California

Bill Hasencamp is the Manager of Colorado River Resources for the Metropolitan Water District of Southern California, where he develops and manages water supply programs to augment Metropolitan's Colorado River supplies. He has been with Metropolitan for ten years, negotiating water transfer agreements with irrigations districts, water exchange agreements with municipal agencies, and funding new water supply projects which have more than doubled Metropolitan's Colorado River water supplies since 2003. Bill is also one of California's representatives to the Colorado River Salinity Control Forum and serves on the Colorado River Task Force of the Southern California Water Committee. Prior to joining Metropolitan, Bill managed Contra Costa Water District's Los Vaqueros Reservoir project, which was built to improve water quality and reliability for the East San Francisco Bay Area. Before that he developed the Los Angeles Department of Water and Power's environmental restoration plans for the Mono Basin to meet new environmental compliance requirements. Bill's hobbies include long distance bicycle touring, which led him on a three-month bicycle ride across the United States.



**Bill Hasencamp**

Metropolitan Water District of  
Southern California  
PO Box 54153  
Los Angeles, CA 90054-0153  
213-217-6520  
whasencamp@mwdh2o.com



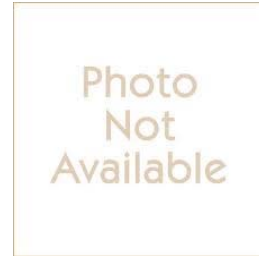
## Michael Irlbeck

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### Director of Business Development Befesa Water USA

Michael Irlbeck directs the business development activities for Befesa Water in the United States. Befesa is a global leader in providing planning, design, construction, and financing services for water-related infrastructure.

Previous to his work with Befesa, Mr. Irlbeck served over 15 years with the U.S. Bureau of Reclamation, directing environmental restoration, construction grant assistance, and water resources planning activities.



#### **Michael Irlbeck**

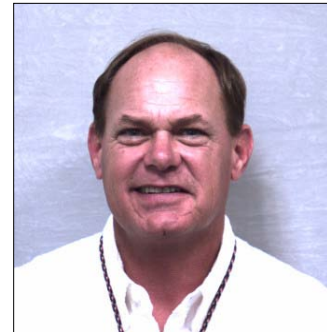
Befesa Water USA  
The Terrace I  
2600 via Fortuna, suite 220  
Austin, TX 78746  
512-236-8500  
Michael.irlbeck@befesa.abengoa.com

## Bob Lotts

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### Water Resource Manager Arizona Public Service Company

Bob Lotts joined APS at the Palo Verde Water Reclamation Facility (WRF) in June 1982. During the next two years the WRF completed the facility's start-up activities and went operational, producing 90 million gallons per day of cooling water for the nation's largest nuclear power plant. During his more than 26 years at the Palo Verde WRF, Bob held various positions including serving as Plant Manager from 2002 to early 2009. In light of the continuing issues within the electric utility industry regarding water needs and power generation, APS created Water Resource Management Department. Lotts assumed the role as the manager of this newly formed department in March 2009.



#### **Bob Lotts**

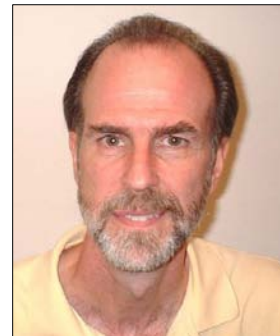
Arizona Public Service Company  
PO Box 52034, MS 9424  
Phoenix, AZ 85072-2034  
620-250-3905  
Robert.lotts@aps.com

## Jim Lozier

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### Vice-President and Technology Fellow CH2M Hill

Jim Lozier serves as CH2M Hill's global leader for Membrane Technologies Practice and as a senior member of the firm's Desalination and Water Reuse Technology Practices. A graduate of the State University of New York at Buffalo and the University of Arizona, he is a registered professional civil engineer in Florida and Arizona. Beginning his career as a research desalting engineer at the Yuma Desalting Test Facility in the early 1980s, Jim has nearly 30 years experience in implementing membrane technologies for brackish and seawater desalination, advanced water reuse for potable and industrial water purposes. Jim has served on the Board of Directors of the American Membrane Technology Association and as past Chair of the American Water Works Association (AWWA) Membrane Processes Committee. He serves currently on the Editorial Board of the Journal Desalination. He has authored over 60 papers on membrane treatment.



**Jim Lozier**

CH2M Hill  
2625 S. Plaza Dr., # 300  
Tempe, AZ 85282  
480-731-6100  
Jim.Lozier@CH2M.com

## Jennifer McCloskey

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### Area Manager- Yuma Area Office U.S. Bureau of Reclamation

Jennifer McCloskey serves as the Area Manager of Reclamation's Yuma Area Office - home to the Yuma Desalting Plant, one of the nation's largest reverse osmosis desalination plants. As manager of the Yuma Area Office, she leads the Office in managing Colorado River water resources effectively in a manner that enhances the quality of life for those who make the Southwest their home. Under McCloskey's leadership, the Yuma Area Office is responsible for scheduling Colorado River water deliveries in Arizona, California, and Mexico serving over 750,000 people and more than 1 million acres of commercial agriculture. The Office has core responsibility for managing the Colorado River from Davis Dam to the border with Mexico and also operates and maintains large-scale well fields to conserve water supply and maintain water tables in the Yuma area. McCloskey began her career in water management with Reclamation in Yuma in 2005 as the Deputy Area Manager. In 2008, she became Area Manager.

Prior to her career in water management, McCloskey served as Deputy Director of Tax Audit with the Department of Treasury in Washington D. C. Prior to public service, she led projects for private sector technology and business services companies in Texas and Florida. She is a Certified Public Accountant and a Project Management Professional with a Bachelor's degree in Political Science from the University of Arizona in Tucson and Master of Business Administration from the American Graduate School of International Management (Thunderbird) in Glendale, Arizona.



**Jennifer McCloskey**

U.S. Bureau of Reclamation  
7301 Calle Agua Salada  
Yuma, AZ 85364  
928-343-8123  
jmccloskey@usbr.gov

## Sharon Megdal

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### Director

### Water Resources Research Center, University of Arizona

Sharon B. Megdal is Director of The University of Arizona Water Resources Research Center and the C.W. and Modene Neely Endowed Professor. She is Professor in the Department of Agricultural and Resource Economics and the Department of Soil, Water, and Environmental Science and serves as Director of The University of Arizona Water Sustainability Program, which is funded by the Technology Research Initiative Fund (TRIF). In 2010, Dr. Megdal was named UA Distinguished Outreach Professor.

Her work focuses on state, regional and transboundary water resources management and policy, on which she writes and frequently speaks. Her work places particular emphasis on how to achieve desired policy objectives in terms of institutional structures and possible changes to them. She authors a water policy column for the WRRC's newsletter. Current projects include water planning and management in growing arid regions; mechanisms to secure water for environmental needs; water pricing; and transboundary aquifer assessment. Megdal teaches the multi-disciplinary graduate course on Arizona water policy. She currently serves as an elected member of the Central Arizona Water Conservation District Board of Directors, which oversees the Central Arizona Project, and has served on numerous state boards and commissions, including the Arizona Corporation Commission, the Arizona State Transportation Board, and the Blue Ribbon Panel on Water Sustainability. She holds a Ph.D. degree in Economics from Princeton University.



**Sharon Megdal**

Water Resources Research Center  
350 N. Campbell Ave.  
Tucson, AZ 85719  
520-621-9591  
smegdal@cals.arizona.edu

## David V. Modeer

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### General Manager

### Central Arizona Project

David V. Modeer joined the Central Arizona Water Conservation District (CAWCD) as General Manager overseeing all Central Arizona Project (CAP) operations in January 2009. CAP manages and delivers the state's largest allocation of Colorado River water to eighty percent of Arizona's population. In addition, CAP operates the Central Arizona Groundwater Replenishment District, is the operating arm of the Arizona Water Bank, and owns and operates six groundwater recharge facilities.

David Modeer has been a leader in water resource management for nearly 40 years and has significant experience in all areas of water system operations, financing, customer service and planning. He has a thorough understanding of political and operational water issues affecting the western United States. Prior to his arrival at CAP, Mr. Modeer was the Director of Water Services for the City of Phoenix and spent 10 years as the Director of Water in Tucson, Arizona. Modeer also has more than 26 years of management experience with American Water Works, Inc. as Vice President of Operations for both the Pennsylvania-American and Western Region divisions. He served six years on the publicly-elected Board of Directors of the CAWCD prior to his selection as General Manager. Modeer is a graduate of the Creighton University in Omaha, Nebraska with a Bachelor of Science degree in Biology and a minor in Chemistry and Philosophy.



**David V. Modeer**

Central Arizona Project  
PO Box 43020  
Phoenix, AZ 85080  
623-869-2333  
dmodeer@cap-az.com

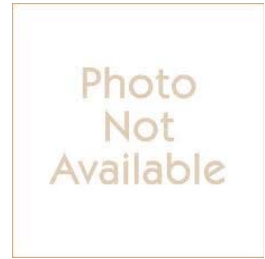
## Bruce Moore

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### Colorado River Project Division Manager Southern Nevada Water Authority

Prior to arriving at the Southern Nevada Water Authority in 2007 Bruce Moore's career spanned 32 years primarily in the Federal Government. Most of that time was spent with the Bureau of Reclamation in three Regional Offices, a Project Office and Headquarters in Washington, DC. While with Reclamation he served more than 20 years as Regional Engineer in both the Upper and Lower Region Offices.

Moore is currently the Manager of the Colorado River Division of SNWA, with responsibilities for Colorado River activities, and National contact for Desalination and Water Reuse



#### **Bruce Moore**

Southern Nevada Water Authority  
100 City Parkway, Ste 700  
Las Vegas, NV 89106  
702-862-7411  
bruce.moore@snwa.com

## Richard Morrison

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### Attorney Salmon, Lewis & Weldon, PLC

Richard Morrison is an attorney at Salmon, Lewis & Weldon, PLC in Phoenix, Arizona. He has practiced law in Arizona since 1978, with emphasis on water law and environmental law. In addition to his practice, he has taught water resources management as a faculty associate at the Morrison School of Agribusiness and Resource Management at Arizona State University. His practice has traditionally involved representation of irrigation districts in Arizona. At present, he is Special Water Counsel to the Town of Gilbert. Much of his work since 1984 has fostered negotiated settlements of Indian water rights claims, including those of the Salt River Pima-Maricopa Indian Community, the Ft. McDowell Indian Community, the San Carlos Apache Tribe, and the Gila River Indian Community. In addition, he has substantial legislative experience on the state and federal levels in dealing with the enabling legislation required to implement Indian water rights settlements.

Richard Morrison is policy oriented, serving continuously on the Advisory Board of the Morrison Institute of Public Policy at ASU since its founding in 1982. He is also on the Executive Committee of Arizona Town Hall.



#### **Richard Morrison**

Salmon, Lewis & Weldon, PLC  
2850 E. Camelback Rd., #200  
Phoenix AZ 85016  
602-524-5757  
rnmorrison@msn.com

## Jennifer Pitt

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### Colorado River Project Director Environmental Defense Fund

Jennifer Pitt manages the Environmental Defense Fund's efforts on the Colorado River, to protect and restore the delta and reform water policy. She works with water users throughout the Colorado basin to develop practical programs to restore river habitats, and critically, to dedicate water to environmental resources. Her expertise includes the US-Mexico border environmental issues, the legal and policy framework for Colorado River management, the economics of water use and water transfers, and the science of river restoration.



**Jennifer Pitt**

Environmental Defense Fund  
2334 Broadway  
Boulder, Co 80304  
303-447-7209  
Cell: 720-841-5366  
jpitt@edf.org

## Casey Prochaska

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### Chairperson Yuma County Board of Supervisors

The Honorable Kathryn "Casey" Prochaska is a native of Yuma County. She attended Kofa High School and received her Bachelor of Science degree in Pharmacy at the University of Arizona in Tucson. She was elected to the Yuma County Board of Supervisors in May 1993 and served as the Chairperson during all four years of her first term. She was re-elected in November 1996 to a second four year term and served as the Chairperson during 1996 and 1998. She is currently a member on the Executive Board of the Yuma Metropolitan Planning Organization (YMPO), the Arizona Military Preservation Committee, the Colorado River Advisory Task Force, the County Supervisors Association (CSA), the Local Emergency Planning Committee, the Military Base Support Committee, the Transportation Consortium, the Yuma Area Resource Water Management Group, and the Yuma Water Agency. She has also served on the Board of Directors of the Greater Yuma Economic Development Corporation. During her first term she served on the Sheriff's Retirement Board. Ms. Prochaska is a Registered Pharmacist and currently works at a local Pharmacy in Yuma, AZ.



**Casey Prochaska**

Yuma County Board of Supervisors  
198 S. Main St.  
Yuma, AZ 85364  
928-342-5269  
Cell: 928-580-0253  
caseyprochaska@aol.com

## Halla Razak

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### **Colorado River Program Director San Diego County Water Authority**

Halla Razak is the Colorado River Program Director for the San Diego County Water Authority. The Water Authority is the wholesale supplier of water to San Diego County, supplying a safe and reliable water supply to support a \$150 billion economy and way of life for over 3 million residents. Razak joined the Water Authority in 2005. As the Colorado River Program Director, Razak is responsible for administering various aspects of the Quantification Settlement Agreement (QSA). This includes the supervision of the Imperial Irrigation District Water Transfer agreement, oversight of the Water Authority's participation in lining the All-American and Coachella canals, coordination of an Imperial Valley community outreach program, and working closely with federal, state, and other water agencies that are party to, or impacted by the QSA. Prior to joining the Water Authority, Razak worked for 18 years at the city of San Diego, most recently as Chief Deputy Director for the City's Engineering and Capital Projects Department. Razak holds a Bachelor of Science degree in Civil Engineering from the University of Dayton and a Masters degree in Engineering from San Diego State University. She is an active member of the American Water Works Association and the American Public Works Association.



#### **Halla Razak**

San Diego County Water Authority  
4677 Overland Avenue  
San Diego, CA 92123  
858-522-6738  
Cell: 858-882-7353  
hrazak@sdcwa.org

## Michele Robertson

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### **Hydrogeologist/ Environmental and Permitting Specialist Montgomery & Associates**

Michele Robertson, a registered geologist, recently joined Montgomery & Associates as a hydrogeologist with a focus on environmental and permitting programs. Michele was formerly with ADEQ where her responsibilities involved managing a variety of environmental programs and directing the development and implementation of rules and policies. Most recently, she was the Groundwater Section Manager with responsibility for the aquifer protection (APP), reclaimed water and AZPDES (Arizona Pollutant Discharge Elimination System) permitting programs. Michele developed rules to establish cleanup standards for soils and guidance for protection of groundwater quality. Other responsibilities at ADEQ included evaluating the adequacy of remedial actions, directing remedial investigations, and interfacing with other regulatory agencies, including the EPA, to respond to various regulatory initiatives such as coal combustion waste and subsurface injection for carbon sequestration.



#### **Michele Robertson**

Montgomery & Associates  
5010 East Shea Blvd, Suite D110  
Scottsdale, AZ 85254  
480-948-7747  
mrobertson@elmontgomery.com

## Adriana Rodriguez

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### Ingeniería y Normas Técnicas, Subdirección General Técnica Comisión Nacional del Agua

Adriana Rodriguez is a civil engineer with a master's degree in hydraulic engineering from University of Mexico. From 1997 to 2006, she worked in the Engineering Institute at University of Mexico developing hydrology and water supply network projects. Since 2008, she has been working in the National Water Commission on Binational Water Issues, especially Baja California and Colorado River



**Adriana Rodriguez**

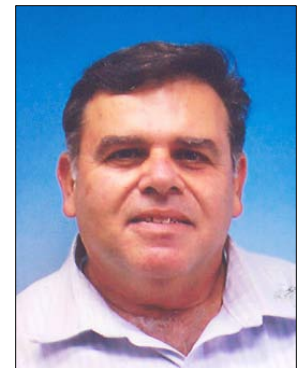
Comisión Nacional del Agua  
Av. Insurgentes Sur 2416 piso 8  
Colonia Copilco El Bajo  
Mexico 04340 D.F.  
55-5174 4000 ext 1633  
adriana.rodriguez@conagua.gob.mx

## Abraham Tenne

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### Director of Desalination Israel Water Authority

Abraham Tenne is the current Chairman of the WDA (Water Desalination Administration) Water Authority, Desalination Division, and Head of the Desalination Division, a position he has held since 2007. From 2005 to 2006 he served as Project Manager for all SWRO Plants in Israel for the Israeli Water Commission, Desalination Division. Prior to that experience he worked for W2W- industrial waste water treatment, as Projects and Marketing manager (2003-2004); Agues Via Israel/MBR Waste water treatment (2002-2003); and Nepro-Negev Projects Ltd., as General Manager and Projects Manager (1987-2002). Earlier he was the Beer Sheba Branch Manager for IDC- Industrial Development Company (1980-1987) and Production Engineer, Projects Manager for Makhteshim Ltd. (1973-1980).



**Abraham Tenne**

Israel Water Authority  
14 Hamasger St., POB 20365  
Tel Aviv-Jaffa, Israel 61203  
Cell: 972-50-6221371  
abrahamt@water.gov.il

# Sid Wilson

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## Retired from Central Arizona Project

Sid Wilson graduated from the University of Arizona in 1965 with a B.S. in Watershed Management, College of Agriculture. He began his water management career at Salt River Project (SRP) as a Watershed Specialist and was promoted through a series of positions culminating in Associate General Manager (GM) for Water and for Planning and Resources. In 1990, He left SRP to assume the position of Vice President with Bookman-Edmonston, a water resource engineering firm. In 1995, he became the second GM in the history of the Central Arizona Water Conservation District (CAWCD), commonly referred to as the Central Arizona Project (CAP). The CAP operates the 336 mile CAP canal that delivers 1.5MAF/yr of Colorado River Water into central Arizona for use by Native Americans, farms, cities and industry. While at CAP, Wilson put together a small stakeholder group that over the course of approximately eight months developed a white paper describing how the Yuma Desalter could be operated to conserve water for Arizona water use while maintaining the environmental values of the Ciénega de Santa Clara.

Sid Wilson retired from CAP in May 2009. During the course of his 40+ year professional career, he performed short duration consulting engagements in Egypt, Uzbekistan and Morocco. He received the UA President's Club Recognition for Excellence (1990), the Alumni Association's Distinguished Citizen Award (1996); the College of Agriculture and Life Sciences Lifetime Achievement Award (2008), the Arizona Capitol Times Leader of the Year in Public Policy Award in 2008, and in 2009 he received the Agri-Business Council of Arizona Water Buffalo Award. He has also served on the Industrial Advisory Council to the College of Engineering & Mines, the External Advisory Committees of the UA Water Resources Research Center and the Water Sustainability Program, and the boards of the Central Arizona Project Association, the U.S. Committee on Irrigation and Drainage, the Western Urban Water Coalition and the Colorado River Water Users Association.



**Sid Wilson**

10032 N. 23<sup>rd</sup> St.  
Phoenix, AZ 85028  
Home: 602-788-8809  
Cell: 602-684-0394  
quietwater42@gmail.com