

WEEKLY WAVE



COLLEGE OF AGRICULTURE & LIFE SCIENCES
COOPERATIVE EXTENSION

**WATER RESOURCES
RESEARCH CENTER**

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The [Water Resources Research Center](#) - a research and [Extension](#) unit of the [College of Agriculture and Life Sciences](#)



Senator Jeff Flake Named Chairman of the Water and Power Subcommittee

U.S. Senator Jeff Flake (R-Ariz.) has been selected to serve as Chairman of the Senate Energy and Natural Resources Subcommittee on Water and Power.

The subcommittee is responsible for irrigation; reclamation projects; power marketing administrations, including Western Area Power; energy development impacts on water resources; groundwater resources and management; hydroelectric power; low head hydro; and energy related aspects of deepwater ports. The subcommittee also addresses Native American water rights and settlements and matters pertaining to the protection of coastal and marine environments.

Senator Flake has expressed a commitment to use the subcommittee to advance Arizona's water priorities, stating, "I look forward to using this chairmanship to improve stewardship of Arizona's water and energy resources," said Flake. "Whether it's strengthening oversight at the Western Area Power Administration, protecting Arizona's voluntary water contributions to Lake Mead, or taking proactive steps to prevent a drought declaration in Arizona, I will actively work with my colleagues on the Water and Power Subcommittee to hold federal agencies accountable."

For more information on the Water and Power Subcommittee, click [here](#)



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WRRRC EVENTS

WRRRC Brown Bag - Implementing California's Sustainable Groundwater Management Act and Other Innovative Water Solutions

February 23, 2017

Time/Location: 3:30 p.m. - 5:00 p.m. / WRRRC Sol Resnick Conference Room (350 N. Campbell Ave.)

***Please note special time for this Brown Bag**

Speaker: Grant Davis, General Manager, Sonoma County Water Agency



The Sonoma County Water Agency, located in California about forty miles north of the Golden Gate Bridge, supplies drinking water to 600,000 residents in Sonoma and Marin Counties and provides wastewater and flood control services. The Agency, known nationally as a leader in water and wastewater resource management, has received White House recognition for several successful collaborations and partnerships with local, state, and federal agencies.

General Manager Grant Davis will describe innovative strategies that have leveraged financial investments and delivered more sustainable and reliable water management. Specific examples include, multiple-jurisdiction water reuse, improved Atmospheric River prediction, and Forecast Informed Reservoir Operations. Mr. Davis will also describe implementation of California's new groundwater law, new initiatives that reduce energy used in water treatment and delivery, partnering with academia, and using science-based approaches to better prepare for the future.

Picturing Chocolate & Water

February 10, 2017

Time/Location: 3:30 p.m. - 5:00 p.m. / WRRC Sol Resnick Conference Room (350 N. Campbell Ave.)

The 2017 WRRC Chocolate Fest is just around the corner. Share your favorite treats and try sinfully spectacular creations from other water lovers.



Photo contest "Best in Show" winner, Greg Griffin, will speak about photographing water in nature. You can see his winning photograph as the banner image on the WRRC [website](#).

OTHER EVENTS

CCASS Seminar - Transformational Solutions for Climate Change Adaptation and Water Sustainability in the Colorado River Basin

February 8, 2017

Time/Location: 4:30 p.m. / ENR2 Bldg. Agnese Nelms Haury Lecture Hall, Rm. S107 (1064 E. Lowell St.)

Speaker: Dave White, Professor, School of Community Resources and Development, Arizona State University



Drawing from use-inspired sustainability science and decision making under uncertainty, this talk will address the overarching question: Given environmental and societal uncertainties, how can cities dependent on the Colorado River Basin develop transformational solutions to implement water sustainability transitions? Managing transitions toward urban water sustainability will require innovative approaches to water governance that are anticipatory, adaptable, just, and evidence-supported.

UBRP Spring Panel - Water We Going To Do?



February 15, 2017

Time/Location: 5:30 p.m. - 7:00 p.m. / UA Student Union, Room 2487 (1303 E University Blvd)

Speakers: Jonathan Rothschild, Tucson Mayor, Dr. Sharon B. Megdal, Director, UA Water Resources Research Center, and Timothy Thomure, Director, Tucson Water

Come learn and ask questions about the past, present, and future of water conservation and availability in the southwest, with a particular focus on the Tucson and greater Arizona communities! This event is open to the public. Refreshments will be provided.

For more information, click [here](#).

NEWS

Check Out the Exciting Agenda for the March 28th WRRC Annual Conference



The WRRC Annual Conference, Irrigated Agriculture in Arizona: A Fresh Perspective, will be held on March 28th at the University of Arizona Student Union. The exciting [agenda](#) includes invited talks from elected officials, policy makers, irrigation district managers, and boots-on-the-ground farmers. This is a day not to be missed!

Students and researchers, please don't miss the poster session abstract submission deadline of Tuesday, February 21st!

To submit a poster abstract, click [here](#)

Measurement and Math that Means Something



Twenty-one 6th graders from Islands Elementary served their community by conducting an audit of 34 bathroom faucets at the Gilbert Police Building. Their goals were to

calculate annual faucet usage in gallons and to determine whether they could use technology to save water. They measured faucet flow first as they found it, next after removing the aerator, and finally with a new water efficient aerator. Armed with estimates for the number of employees, the number of workdays per year, average washes per day per person, and an average time per wash - students did the math. On January 26th, through their own action, these students saved the Town of Gilbert a projected 98,860 gallons per year. Afterward, they all said that saving water was extremely or very important. Ninety-five percent of them were either surprised or amazed by the amount of water that can be saved through the use of aerators.



Teacher David Ihns had this to say about the experience: *On more than one occasion my students have commented on the Water Audit experience and their feeling that they are making a difference in the community.*

Learn more about The School Water Audit Program [here](#).

Farm, Home, and Ranch Day in Safford

Next Wednesday, February 8, the WRRC's Water RAPIDS team is participating in the program Farm, Home and Ranch Day in Safford, an event hosted by



Graham County Cooperative Extension and the Safford Agricultural Center. The free, half-day event features informational sessions related to agricultural and domestic issues of interest in the area, such as cotton variety performance and renewable energy options. After providing a brief introduction to water resources in the Upper Gila River watershed, the Water RAPIDS team will moderate a panel of key regional water users, including local farmers and mining company representatives. The event is open to the public and no registration is required. For more information visit the Cooperative Extension [website](#)



ANNOUNCEMENTS

Geological Society of America Meeting Call for Abstracts

The 2017 Cordilleran GSA meeting will be held at the beautiful Hawai'i Convention Center in Honolulu. One themed session in particular relates to water resources. The session, Integrated Approaches for Assessing Water Resources, will cover water management strategies in relation to legal, cultural, human-health, ecological, and economic considerations. Deadline to submit abstracts is Friday, February 17.

For more information about the meeting and call for abstracts, click [here](#).

City of Goodyear seeks a Water Demand Advisor

The application process will close Feb 13, 2017 at 5:00 p.m.

For more information about this opportunity, click [here](#).

Beyond the Mirage and its Connection to Water Management in Israel

On Friday, February 5, 2017 at Temple Emanu-El, Dr. Sharon B. Megdal will lead a two-hour session, which will include a screening of the one-hour documentary movie Beyond the Mirage: The Future of Water in the West. After the film, there will be an hour of discussion and Q&A.

For more information, click [here](#).

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