

Climate and Energy Speakers Headline ACWA 2016 Fall Conference



Mary Nichols

High-level speakers on climate change, weather prediction and emerging trends in energy efficiency are set to deliver keynote addresses at the upcoming ACWA 2016 Fall Conference & Exhibition, set for Nov. 29 – Dec. 2 in Anaheim.



Dr. Martin Ralph

Themed “Bringing Water Together,” the conference at the Anaheim Marriott will feature more than 80 programs, panel discussions and presentations on key California water issues. Topics will include

the ongoing drought, climate change, long-term urban water conservation policy, groundwater sustainability agency funding, water storage, atmospheric rivers, water recycling, and more.

The conference also will feature “The Big Reveal” – an ACWA surprise intended to energize the organization.

Mary Nichols, chair of the California Air Resources Board and who is considered Gov. Jerry Brown’s leader on climate change and clean air, will speak at the Thursday luncheon on Dec. 1. In an address titled “Collaboration in Times of Changing Climate,” Nichols will discuss the state’s climate change program, including cap-and-trade funding and renewable energy. She also will

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Join Us For “The Big Reveal”

Wednesday, Nov. 30 we’re holding a special unveiling for our members. Stay tuned.

#ACWAbigreveal



Snow dusts Bear Valley in the Central Sierras Oct. 17 following a series of storms that hit California in early October. The storms are a welcome sight during California’s fifth consecutive year of drought, but climatologists warn that the weather outlook for 2017 is uncertain. *Photo credit: Bear Valley Skyline Resort*

Californians Show Ongoing Commitment to Conservation

Data from the State Water Resources Control Board shows Californians have maintained a significant level of water conservation.

While many water suppliers have passed a “stress test” demonstrating they can maintain supply reliability in case of three more years of drought, data released Oct. 5 indicates that Californians continue to use water wisely under local programs without statewide emergency mandates.

Cumulative statewide water savings from June 2015 through August 2016 stand at 23.3% compared to 2013 levels, according to State Water Board figures.

ACWA Executive Director Timothy Quinn emphasized that efficiency and drought preparedness are the objectives of the stress test approach, which ACWA believes is the right policy.

“We should take pride in the fact that many urban water suppliers are drought-prepared and do not need to require their customers to continue extraordinary

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EXECUTIVE DIRECTOR'S COLUMN • TIMOTHY QUINN

Don't Lose Sight of the Real Goal: Drought Preparedness and Efficiency



You don't have to look hard for proof that Californians are making permanent changes to the way they use water. In communities up and down the state, turf removal is a common sight as homeowners say goodbye to lawns and hello to water-wise landscapes.

Aided by hundreds of millions of dollars in rebates offered by local agencies, urban water customers are taking concrete action outdoors as well as changing out toilets and appliances indoors. These actions translate into meaningful water use reductions that can be sustained into the future.

Yet this clear shift to permanent change is all but overlooked in the way State Water Resources Control Board staff describes monthly water use figures reported by urban water suppliers. Despite the appropriate move to a "stress test" approach that emphasizes drought preparedness, board staff continues to judge success by how much Californians are "conserving" each month compared to 2015, when state-mandated targets were in effect.

The latest data reported earlier this month is a great example. Though Californians continue to achieve significant levels of conservation in the absence of state mandates, State Water Board staff is raising concern that some water suppliers are abandoning the commitment to conservation.

Not so. A modest uptick in water use was expected as local agencies adjusted their local conservation requirements to emphasize ongoing water supply reliability and efficiency as a way of life. This is completely appropriate as we move past the burdensome and extreme actions required last year — such as letting lawns go completely brown, putting buckets in showers, refraining from flushing and basically not using water — to changes that will result in permanent water savings. We knew these burdensome activities would not last forever, and we shouldn't panic when the data shows people are doing less of them.

Local water agencies and their ratepayers

have been investing heavily in water use efficiency and drought-resilient supplies for the past two decades. The fact that so many passed their "stress tests" with flying colors and don't require burdensome and extreme actions from their customers this year is a good thing. It means we are drought prepared, which ultimately is what Californians expect.

But where we see an appropriate and common-sense shift to the goals of drought preparedness and ongoing efficiency, State Water Board staff sees a retreat from last year's "success" under state-mandated conservation. That's unfortunate because it would be a grave mistake to go back to the emergency approach of 2015 and re-impose burdensome and extreme actions that are neither sustainable nor necessary.

Even more concerning is the confusion created for water customers, who are doing exactly what we have asked: embracing conservation as a way of life. It also undermines the credibility of local water suppliers that have invested in efficiency and drought-resilient supplies to manage through multiyear droughts.

So what's to be done? Let's start by judging success by the right metric. Being drought prepared and achieving high levels of ongoing efficiency are far more meaningful goals than meeting monthly targets set by the state. Burdensome and extreme actions cannot be sustained over time and must be reserved for when we actually need them.

We need to encourage additional investments in drought resilience while raising the bar on long-term efficiency so we can prepare our communities for the inevitable droughts to come. These are fundamental tenets of the Brown Administration's California Water Action Plan and the best direction for our future. Let's not undermine them by continuing the wrong narrative on conservation. ♦

Water Year 2015-'16 Slightly Improved, But 2017 Uncertain

As Water Year 2015-'16 drew to a close Sept. 30, state and federal officials reported some improvement in California's water conditions over recent years, but added that the state is still in drought and the outlook for the year ahead is uncertain.

The Bureau's Central Valley Project began Water Year 2017 on Oct. 1 with 4.9 million acre-feet of water in its six key reservoirs. The amount is 2 million acre-feet more than was in storage at the beginning of Water Year 2016, federal officials announced.

The amount of storage in key reservoirs is 82% of the 15-year average of annual carryover of 6.0 million acre-feet. By comparison, WY 2015 began with 2.9

million acre-feet and 2011 with 9.3 million acre-feet.

State officials say California's Water Year 2015-'16 will go down in the record books as "dry," despite parts of Northern California experiencing average to slightly above average precipitation. The water year also will be remembered as unusual, as much-needed precipitation fell more often as rain than snow, according to a press release from the California Department of Water Resources.

DWR officials also said the prediction for Water Year 2017 is uncertain. The National Oceanic and Atmospheric Administration's Climate Prediction Center currently predicts slightly better

than even odds that weak La Niña conditions will develop this fall and winter. But there are no guarantees for substantial La Niña rainfall, NOAA officials stated.

According to information on the California Data Exchange Center, on Oct. 1 — the start of the 2016-'17 Water Year — the state's Lake Oroville Reservoir was at 74%, San Luis 53% and Castaic Lake 89% of historic average.

State officials added that 60% of the state currently remains in severe or extreme drought, therefore continued water conservation is critical. ♦

CWC Reviews Draft Revised Regulations on Storage Investments

The California Water Commission met Oct. 18 and directed staff to make several changes to the revised draft regulations for the Water Storage Investment Program. The Commission also listened to a presentation from the California Department of Water Resources on its final changes to groundwater basin boundaries as part of the implementation of the Sustainable Groundwater Management Act.

The WSIP is the process by which the CWC will allocate \$2.7 billion in funding for the public benefits associated with water storage projects provided by Proposition 1. ACWA has submitted extensive comments to the commission suggesting several amendments to the draft water storage regulations to help ensure that the commission and project proponents can move forward in a timely and efficient manner.

At the CWC meeting Oct. 18, the commission directed staff to make several changes to the draft regulation, including provisions related to the climate change requirements as well as

the CWC's project evaluation and decision making processes. It is expected that the CWC will release revised draft regulations consistent with the commission's direction by Nov. 7 and that the commission will direct staff to initiate a 15-day public comment period at its Nov. 15 meeting.

Also at the meeting, DWR presented its final 2016 modifications to California's groundwater basin boundaries, completing a critical step in the implementation of SGMA.

When SGMA was established in 2014, it initially established the basin boundaries as defined in Bulletin 118, a comprehensive report on California groundwater resources that DWR periodically updates. SGMA also established a process for local agencies to request that DWR modify basin boundaries to assist local agencies in forming the required Groundwater Sustainability Agencies (GSAs). Of the 54 requests for changes to basin boundaries, DWR approved 39, denied 12, and three were deemed incomplete. Most of

the modifications were made to basins in the Central Valley and included refinements reflecting waterways, county lines and geologic information.

The new basin boundaries will be included in the interim update of Bulletin 118, due out by Jan. 1, 2017. Another basin boundary modification request period may be held in 2018 based on demand from local agencies and/or GSAs. Other important near-term dates on the SGMA timeline include:

- Dec. 31 – DWR will post a report on Water Available for Replenishment on its website.
- Nov. 14-17, 2016 – DWR will conduct public meetings for input on its draft of Best Management Practices (BMPs).
- Jan. 1, 2017 – DWR will post BMPs on its website.
- June 30, 2017 – Date by which local agencies in high- and medium-priority basins must form GSAs. ♦

Governor Brown Signs Bills on Water Market, Accessory Units

Legislation aimed at improving data and information sharing on water markets was signed into law by Gov. Jerry Brown on Sept. 23. Other bills related to water supply planning, accessory dwelling units and lead service lines also were signed.

ACWA's State Legislative Committee reviewed hundreds of bills during the two-year legislative session that adjourned Aug. 31. The governor had until Sept. 30 to sign or veto bills passed by the Legislature.

Here is an update on policy bills that ACWA actively worked to support, oppose or amend in 2016. ACWA's complete bill report is accessible through the State Legislative Committee page at www.acwa.com. In addition, ACWA's annual Legislative Summary will be available later this fall.

Water Markets

AB 1755 (Dodd) – As introduced, this bill would have required the Department of Water Resources (DWR) to establish a public benefit corporation to create and manage a statewide water information system and an online water transfer information clearinghouse. ACWA worked with the author on roughly a half-dozen amendments to align the bill with ACWA's Board-adopted recommendations on water transfers and the water market. The final bill, supported by ACWA and signed by the governor on Sept. 23, requires DWR to create and maintain a statewide integrated water data platform and develop protocols for data sharing.

AB 2909 (Levine) – This measure would have provided for an expedited 30-day review for reoccurring water transfers or environmentally beneficial transfers. ACWA had a support-if-amended position on the bill, which failed to advance out of the Senate Appropriations Committee in the final days of the session.

Groundwater-Related Bills

SB 1317 (Wolk) – This measure would have prohibited new groundwater wells in high- or medium- priority basins without a valid conditional use permit from a city or a county. ACWA opposed the bill because it would have interfered prematurely with implementation of the Sustainable Groundwater Management Act (SGMA) and unnecessarily restricted groundwater management decisions to cities and counties. The bill died in the Assembly Water, Parks, and Wildlife Committee, where it failed to meet legislative deadlines.

SB 1262 (Pavley) – This bill integrates SGMA into water supply and land use planning for development projects. It requires a public water system or local agency to consider SGMA status of the groundwater basin and prohibits hauled water from being considered a source of drinking water for a new development. ACWA had an oppose-unless-amended position on the bill as introduced and later moved to a favor position based on favorable amendments. It was signed by the governor.

Other Bills

SB 163 (Hertzberg) – Recycled Water. As amended on Sept. 3, the bill would have required ocean and bay dischargers to achieve 50% beneficial reuse of discharge to bay or ocean outfalls by 2033. ACWA was part of a coalition that opposed the bill because it would have imposed an unachievable mandate that could undermine existing local and regional water recycling efforts and cost local agencies and their ratepayers billions of dollars. The author subsequently amended the bill to deal with an issue outside of ACWA's interest.

AB 2480 (Bloom) – Watersheds. The bill declares state policy that watersheds are recognized and defined as integral components of California's water

system. ACWA adopted a not-favor-unless-amended position on previous versions of the bill due to concerns about the undefined source of funding for watershed projects. ACWA was able to move to a watch position after additional amendments, and the governor signed the measure.

SB 1069 (Wieckowski) – Accessory Dwelling Units. As introduced, this bill would have limited the ability of water and wastewater agencies to charge appropriate connection fees for residential accessory dwelling units. ACWA opposed the bill as introduced and worked with a coalition to secure amendments to authorize public agencies to assess connection fees or capacity charges proportionate to the burden imposed on a water or sewer system by the accessory unit. ACWA removed its opposition, and the governor signed the bill.

SB 1263 (Wieckowski) – Water System Permits. As introduced, SB 1263 would have authorized the State Water Resources Control Board to deny a permit for a proposed new public water system if that system would not be sustainable in the reasonably foreseeable future. ACWA adopted an oppose-unless-amended position because early versions would have authorized permit denial for sustainable systems and negotiated subsequent amendments that allowed the association to move to a watch position. The governor signed the bill.

SB 1298 (Hertzberg) – Local Government: Fees and Charges. Sponsored by the California Water Foundation, SB 1298 would have made changes to the Proposition 218 Omnibus Implementation Act regarding stormwater management, conservation-based rates, and lifeline rates. ACWA opposed the bill as introduced out of concern that legal and policy flaws would have kept it from achieving the desired goals. The

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Events Highlight Cooperative Projects to Benefit Chinook Salmon

Gravel, riffles, redds and screens were the words of the day when water agency leaders joined state resource experts in Redding on Sept. 21, celebrating the completion of several cooperative projects benefiting endangered Sacramento River winter-run Chinook salmon.

The general managers of Anderson-Cottonwood Irrigation District and Glenn-Colusa Irrigation District described projects intended to help salmon migrate, spawn and thrive in the altered system of the upper Sacramento River. The districts have partnered with the National Marine Fisheries Service, California Department of Fish and Wildlife, Western Shasta Resource Conservation District, the U.S. Bureau of Reclamation, U.S. Fish and Wildlife Service, Golden Gate Salmon Association and the Northern California Water Association to contribute to the implementation of the Sacramento Valley Salmon Recovery Program.

Two projects spearheaded by GCID, known as Painter's Riffle and Market Street Bridge, were designed to improve salmon spawning habitat by adding and contouring gravel beds in the river. Restoring gravel beds can increase the juvenile salmon's chances of survival.

"Tremendous progress has been made on projects that positively impact salmon, but we have more work to do," said GCID General Manager Thad Bettner. "Our district will continue to

step up and be a leader for these innovative projects and we look forward to working with our partners as we take more action to improve passage and habitat for the salmon."

An Oct. 6 event along the Yolo Bypass highlighted another project designed to benefit salmon. The Wallace Weir Fish Rescue Project, set for completion in December, will help prevent adult Sacramento River salmon from straying into a drainage ditch. A new, permanent barrier under construction across Knights Landing Ridge Cut coupled with a new fish collection facility adjacent to the weir will boost the odds that hundreds of adult salmon will reach their spawning ground.

"There is a group that wants to see things get fixed," Reclamation District 108 General Manager Lewis Bair said at the event, attended by ACWA members, state and federal agency representatives and media. "There is growing hope in our community that hard work and strong partnerships will bring sustainability to both California's farms and fish."

The \$13 million cost of the Wallace Weir project is being paid by customers of the State Water Project and the Central Valley Project. The project complements work done last year by many of the same agencies to block fish at the nearby Colusa Basin Drainage Canal near Knights Landing. ♣



Above: Water and environmental leaders highlight a new salmon-friendly structure at Wallace Weir on Oct. 6. (l-r) The leaders are: Assemblymember Bill Dodd, (D-Napa); Lewis Bair, general manager, RD108; Carl Wilcox, Delta policy advisor, California Department of Fish and Wildlife; and California Department of Water Resources Director Mark Cowin.

Below: A bulldozer contours a riffle from injected gravel at the "Below Dog Gulch" injection site at Clear Creek to help improve salmon spawning habitat.



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bill was subsequently amended to reflect changes sought by ACWA and the League of California Cities, and ACWA moved to a watch position. The author ultimately decided not to move the bill in the final days of the session and intends to further refine the language.

AB 2488 (Dababneh) – Protected Species. Sponsored by the Metropolitan Water District of Southern California, this bill permits the authorized take of the unarmored threespine stickleback fish during the periodic dewatering, maintenance or repair of MWD's Foothill Feeder, a

primary water conveyance pipeline. ACWA supported the bill and was part of local government and water agency coalition supporting it. It was signed by the governor. ♣

ACWA Board Approves 2017 Budget, Hears Key Policy Updates

ACWA's Board of Directors adopted a 2017 budget and discussed the latest developments on emergency conservation regulation, long-term conservation policy and other topics at its Sept. 30 meeting in Sacramento.

The Board approved 3% increases in the dues schedule for 2017 and 2018 to support member needs and to implement the Board's priorities.

Updates on Key Issues

Board members heard updates on the State Water Resources Control Board's emergency conservation regulation as well as the long-term conservation framework due by January to implement Gov. Jerry Brown's executive order from May 2016.

Staff reported that state agencies will issue a report on Nov. 4 recommending actions to achieve the executive order goal of making conservation a way of life in California. Urban and agricultural stakeholder advisory groups including ACWA member agencies and ACWA staff have been meeting to discuss potential actions. Legislation is anticipated in 2017.

ACWA continues to coordinate with its members to provide input on the process and is developing an external affairs strategy to support the effort. In addition ACWA continues to reach out

to the media on the emergency conservation regulation and has distributed a communications toolkit and other resources for members with messaging focused on drought preparedness and ongoing efficiency. Materials are available at www.acwa.com.

The Board also heard updates on the California Water Commission's Water Storage Investment Program. ACWA is preparing detailed comments suggesting several amendments to the CWC's revised draft regulations. The California Water Commission will consider potential changes at its Oct. 18 meeting with the goal of adopting final regulations by the Dec. 15 deadline.

Reports also were heard on ACWA priority initiatives on drinking water solutions for disadvantaged communities, improving involvement by agricultural members, engaging the next generation in the water industry and President Kathy Tieg's 'Meet the President' initiative.

ACWA Deputy Executive Director for External Affairs and Operations Jennifer Persike reported that Save Our Water is launching a new TV ad campaign in early October on NBC stations across the state that focus on thanking Californians for all they have done to conserve and encouraging them to keep saving. ♦



The ACWA Board of Directors honors Stan Wangberg at the Board meeting Sept. 30. Wangberg is retiring as general manager of the Anderson-Cottonwood Irrigation District after more than 30 years of service to his district and the water industry. Pictured are: (l-r) ACWA Vice President Brent Hastey, ACWA President Kathy Tieg, Wangberg, and ACWA Executive Director Timothy Quinn.

2017 Dues Statements on the Way to Members

ACWA's dues are based on the operations and maintenance (O&M) expenses for individual public agency members, which vary from year to year. Additional details will be provided with the 2017 dues statements each member agency will receive in late October.

Information Sessions Launch in November on WIFIA Financing

Information sessions will be held Nov. 14 and 15 to help California water agencies learn about the federal Water Infrastructure and Finance Innovation Act, created to make loans of up to 49% of eligible costs for large water infrastructure projects.

Projects must cost at least \$5 million for communities with populations of

25,000 or less, and \$20 million for larger communities.

The EPA invites potential applicants to attend a seminar to learn more about WIFIA. Registration is available at wifia.questionpro.com.

California sessions are as follows:

San Francisco:

Nov. 14, 9:00 a.m. – 3:30 p.m.
EPA Region 9 – Regional Office
75 Hawthorne Street

Los Angeles:

Nov. 15, 9:00 a.m. – 3:30 p.m.
Los Angeles Federal Building, Room E
300 North Los Angeles Street ♦

Regulatory Summit Focuses on State's Changing Energy Grid

Challenges and opportunities presented by tectonic changes in California's energy grid were in focus at ACWA's 2016 Regulatory Summit Oct. 4 in Sacramento.

With factors such as aggressive renewable energy targets changing historic load and generation patterns, opportunities are emerging for water agencies to play a role in the new world of grid services, several speakers told attendees.

"California is leading the transition to a low-carbon grid," said Joanne Serina of the California Independent System Operator (ISO). "The world is watching how we do this, and trying to learn from what we learn."

Pilot projects are underway to create more flexibility to use energy in so-called over-supply periods when solar and other renewables are available. Battery storage and regionalization of the energy grid are seen as key parts of the solution.

"The challenge is how to fit in with what the grid needs now," said Susan Kennedy, founder and CEO of

Advanced Microgrid Solutions. "It's understanding what the grid needs down to the circuit level, and providing solutions... Think of your agency's load as a resource that can be tapped so you can be the solution the grid needs."

The 2016 Regulatory Summit drew more than 90 attendees from around the state. It was preceded by an optional tour of Placer County Water Agency's Middle Fork Project hydroelectric facilities on Oct. 3.

The tour highlighted PCWA's long-term planning efforts both in sustaining the district's hydroelectric facilities and going through the 10-year process to relicense the facilities through the Federal Energy Regulatory Commission. Einar Maisch, general manager of PCWA, said the relicensing cost about \$30 million.

"We spent a lot of money on studies on the front end," said Maisch.

Officials with PCWA provided participants with an overview of the Middle Fork Project, then stopped at the Ralston Afterbay Sediment/Recreation/



Moderator Matt Swindle, CEO of NLine Energy, introduces the panelists for the "Greening of the Grid" session during the Regulatory Summit Oct. 4 in Sacramento. The session delved into the challenges and regulatory changes caused by the growth of renewable energy in California.

Habitat site and discussed how the district developed a settlement management plan, which is a collateral responsibility of a FERC-licensed Power Project. Later, guests toured the Ralston Powerhouse to see the inner workings of a hydroelectric power plant. The tours were followed by a lunch where Andy Fecko, director of resource development for PCWA, discussed the shifting energy market in California and its current stressors. ♦

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explore the need to collaborate on improved forest management to address the impacts of frequent and severe forest fires on water quality, air quality and climate change.

Dr. Martin Ralph, who heads the Center for Weather and Water Extremes at the Scripps Institution of Oceanography at UC San Diego, will deliver a talk during the conference Opening Breakfast, Wednesday, Nov. 30, titled "Unlocking the Science Behind Atmospheric Rivers." Ralph will discuss the results of cutting-edge research that has the potential to improve short-term precipitation forecasting and operational decisions at key reservoirs to maximize water supply and public safety.

At Wednesday's luncheon, Keith Coleman, chief strategy officer for the Tesla Foundation, a leading company for technology and transportation, will address Tesla's water efficiency and sustainability initiatives.

At a Statewide Issue Forum Thursday, Dec. 1, water leaders will discuss the emergency framework for long-term urban water conservation policy, a

requirement under an executive order by Governor Brown.

The Thursday night dinner features entertainment by a Dolly Parton & Conway Twitty Tribute.

The online registration and cancellation deadline for the conference is Nov. 1. Visit www.acwa.com to register and get additional program information. ♦

Conference Exhibit Space Still Open

Interested in connecting with the California water community in one place? Exhibit booth space is still available.

Conference exhibitor information and registration is available at www.acwa.com. Deadline is Nov. 1.

Tulelake Irrigation District: Historic Farming Region Embraces Modern Issues and Its Unique Past

DISTRICT FACTS

Location

Siskiyou and Modoc Counties near the Oregon border

Number of Customers Served

400 family farms

Established

1952

Water Sources

Klamath River; occasional minor supplies from Lost River and groundwater

Notable Projects

- Large-scale pump replacement
- Automation of monitoring system

Tucked away on the California-Oregon border between wildlife refuges and lava flows, the Tulelake Irrigation District delivers water to a swath of historic farmlands.

The district's namesake is Tule Lake, which once sprawled across the state border with a surface area of 90,000 acres and was part of a large hydrological complex along with the Upper and Lower Klamath Lakes. Tule Lake, also called Rhett Lake, was largely drained in the building of the Klamath Reclamation Project under the federal Reclamation Act of 1902, and the irrigation district now covers the California portion of the lakebed.

Formed in 1952, Tulelake Irrigation District is an agricultural district that proudly serves small family farms, some of which are fourth-generation homesteaders whose ancestors came to the area throughout the early 20th century.

Long History of Homesteading

As reclamation progressed, more acres of farmland in the Tulelake area were incrementally made available for homesteading.

"The government held lotteries to give homesteads to World War I veterans," said Brad Kirby, district manager and himself a fourth-generation member of a Tulelake farm family that gained its homestead in 1927. "As land was drained, they added more homesteaders. In the '40s, World War II veterans were added to the pool."

The area soon grew into a tight-knit community – a welcome side effect of its veteran population. After the water district was formed, the district in 1956 took over water deliveries from the U.S. Bureau of Reclamation.



Of the district's 63,000 acres, 46,000 are privately owned. The rest is federal land within national wildlife refuges that is irrigated and leased for farming when not flooded.

Although many of the original homestead parcels have been grouped into larger properties, Kirby said they are still family farms.

"There are lots of fourth-generation homesteaders here," he said.

Diverse Crops Grown in the District

The district's major crops are grains, including barley, wheat, oats and rye. Alfalfa and other hay crops also are big in the area as are potatoes and onions. However, the area is famous for horseradish and mint. Most Tulelake mint is used for making peppermint oil, toothpaste, candies, chewing gum and medicines. The rest is made primarily into tea.

The district is part of the Klamath Project, a water management project developed by Reclamation to irrigate the lands of the Klamath Basin, including the Tule Lake subbasin. A few miles north, water from the Klamath River is brought to the Lost

"With minor upgrades, the system is virtually unchanged since the early 1900s." — TID District Manager Brad Kirby

Opposite Page: The City of Tulelake shares the homesteaders' proud history of settlement by World War I and II veterans.

Right: The Anderson-Rose Dam, built in 1920, diverts water to the J-Canal for distribution.

Bottom: (left) Horseradish is one of the Tulelake region's famous crops. (right) ACWA President Kathy Tiegs visits the Tulelake Irrigation District in August.



River through an intertie canal. The Anderson-Rose Dam, the district's major diversion point, delivers water from the Lost River into the J-Canal, which conveys it to the district. The district also utilizes tailwater from upstream districts in the Klamath Project.

"With minor upgrades, the system is virtually unchanged since the early 1900s," said Kirby.

The district is working on modernizing its aging infrastructure, such as replacing manual check structures that temporarily block the flow in a ditch to assist in diverting it to the field with automated checks, and replacing at least 65 pumps over the next several years.

Kirby said the Klamath Project is not a storage project as it doesn't have carryover from year to year, but relies on snowpack to provide enough water.

"We need to fill the Upper Klamath Lake, plus have two times that amount in snowpack to meet our allocations each year, including (allocations under the) ESA," Kirby explained, referring to water that is required under the Endangered Species Act. Environmental and political issues can become very complicated, as area stakeholders include two states, three counties and four Native American tribes, plus federal agencies, fisheries, environmental groups and farmers with strong familial and historical ties to the region.

Since 2001, Kirby added, the district has used groundwater on occasion, so the district is working with several agencies to become a groundwater sustainability agency.

"We need to make sure that we maintain and, if needed, utilize groundwater sustainably," Kirby said.

It's not surprising that a community of third- and fourth-generation farmers would value sustainability, since it is preserving the land for future generations. The goal is to have seventh- and eighth-generation farmers — and beyond — in the Tulelake area growing grains, hay crops, and of course that famous Tulelake mint. ♣



Comment Period Extended on Proposed Flow Changes

The State Water Resources Control Board has extended the written comment period on its draft proposal to increase unimpaired flows for fish species in the San Joaquin River. The State Water Board also is planning additional public hearings on the proposal.

The period for submitting written comments on the proposal, technically known as the draft revised Substitute Environmental Document, has been extended to **noon, Jan. 17, 2017**. The deadline had been Nov. 15.

In mid-September, the State Water Board released a draft proposal to raise the unimpaired flows for fish species on the San Joaquin River from the current 20% to a range of 30% to 50%. State Water Board staff and officials said the increase in unimpaired flows is needed because current standards are out of date and fish populations have plummeted.

House Passes WRDA

The U.S. House of Representatives on Sept. 28 passed the Water Resources Development Act (WRDA). The legislation contains \$5 billion for the

nation's water infrastructure, including dams, locks and flood protection.

The House's \$5 billion bill now heads to conference committee, where it must be reconciled with the more ambitious Senate version, which comes in at a price tag of \$10.6 billion. The committee is expected to take up the bill during this session.

Provisions of interest in these WRDA bills include: 1) Authorizing the U.S. Army Corps of Engineers to engage in environmental infrastructure projects, including water supply and water recycling projects; 2) Including language to allow project sponsors to pay for the Corps to revise outdated operational documents for their reservoir; 3) Authorizing the Corps to enter into agreements with non-federal partners to engage in water conservation projects including stormwater capture and groundwater recharge projects.

Meetings Held on Affordable Water

The State Water Resources Control Board will hold a series of public meetings seeking recommendations on how

to make drinking water affordable for low-income Californians.

People with ideas about how to develop and implement a statewide low-income rate assistance program are encouraged to attend the hearings and provide comments. The meetings seek to explore "existing rate assistance programs, and whether they have been successful at helping people to manage their water bills."

Dates and locations of upcoming public meetings are: Inglewood, Oct. 26, 6:30 p.m. to 8:30 p.m. and Bakersfield, Nov. 9, 6 p.m. to 8 p.m.

The State Water Board is developing a plan for a statewide Low-Income Rate Assistance Program, which is required to be released no later than Feb. 1, 2018. Questions about this notice may be directed to Esther Tracy at (916) 341-5908 or Esther.Tracy@waterboards.ca.gov.

The specific locations of the meetings is available at www.acwa.com/sites/default/files/news/water-rates/2016/09/publicnotice-drinking-water-rates-meetings.pdf. ♦

ACWA Letter Urges Delegation to Address Federal Water Supply

ACWA Executive Director Timothy Quinn on Oct. 12 sent a letter to California's congressional delegation asking its members to work to pass legislation that would increase federal water supply to the state during this period of extended drought.

In the letter, Quinn said that the current federal approach to water management in California is not meeting the coequal goals of water supply reliability and ecosystem health.

"Current federal policy undermines the California state policy of coequal

goals," Quinn wrote. "Congress has an obligation to change that. ACWA believes that it is sound policy for the Congress to pass legislation that directs the federal government to provide assistance in increasing water supply during this extended drought."

The letter also stated:

"At crucial times, decisions made by federal regulatory agencies severely restricted the operations of the federal Central Valley Project and State Water Project, even when Delta outflows were substantial. Even with the storms of

the past year, ACWA recognizes that California remains in the grip of an historic drought. We would expect that federal policies should provide assistance in meeting water supply needs during drought conditions, but instead at almost every turn federal decisions restricted project operations, preventing water during storm events from being put into storage south of the Delta for later delivery to our farms and cities. During 2016, these restrictive federal policies had a far greater negative impact on water supply than did the drought." ♦

Save Our Water has launched a new fall TV ad campaign with weather sponsorships on NBC stations across the state. The ads, which will run during select weather segments, are part of the “Water Conservation: It’s For Life” campaign and focus on thanking Californians for conserving and encouraging them to keep saving. The NBC weather sponsorship will run through the end of October.

Three ads have been produced for the campaign and are available for download and use online at the Save Our Water toolkit. The first ad thanks Californians and serves as a lead-in to two tip-focused ads on water conservation. The same video ads will be appearing on more than 150 gas pumps statewide through the end of November.

Fall Paid Media Plans Announced

Save Our Water has unveiled plans for a statewide public education effort centered on fall landscaping and saving water outdoors. The campaign will include radio, outdoor, digital outreach and social media elements and will be launching in the coming weeks.

Building off the success of the digital aspect of Save Our Water’s summer campaign which reached millions of

Californians, the effort will include geo-targeted digital mobile display ads. These ads will deliver outdoor landscaping and seasonal tips to targeted audiences on mobile and tablet devices. Working with its media partners, Save Our Water will tie in the digital campaign to digital billboards across the state, allowing for rapid message adjustments as weather conditions change.

Save Our Water Continues Partner Outreach and Coordination

Save Our Water recently held its seventh webinar of the year to bring water agencies and other partners up to date on the latest campaign activities and new tools for local use. Attendees also were given a sneak peek at an all-new interactive booth that Save Our Water will be unveiling at the upcoming ACWA Fall conference in Anaheim. The webinar is available for download at www.saveourwater.com/toolkit.

The program continues outreach to build partnerships with California businesses. Save Our Water presented an update on recent public education campaigns and the success of 2015 SF Giants effort to the Bay Area Council Water Committee on Oct. 7 in Oakland. The program also is pursuing



Save Our Water’s new fall TV ad campaign features weather sponsorships on NBC stations such as this “weekend getaway” forecast.

partnerships with companies such as Google, Toro, and Comcast Sportsnet.

Save Our Water has also recently partnered with Plant California to encourage Californians to “reimagine your landscape” and conserve water with California-friendly yards this fall. PlantCalifornia.com is an initiative and resource of the California Association of Nurseries and Garden Centers (CANGC).

Save Our Water and Plant California are sharing and promoting gardening tips and projects on their websites and social media platforms to demonstrate best practices for being a more water-wise gardener. ♣

ACWA’s APP Program Helps Members Choose Vendors

Did you know that ACWA has a program that helps members choose vendors for various products and services? The program, ACWA Preferred Provider Program (APP), is designed to assist members in selecting the best company and best service in the areas of solar, small hydro, natural gas, and translation services. Each provider is

selected through an RFP process with very specific criteria and requirements that must be met and, in many cases, this RFP process will satisfy competitive bidding requirements public agency members may have. For more information on ACWA’s APP program, please visit www.acwa.com. ♣



ACWA Preferred Provider

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Hearing Explores Unimpaired Flows

A state proposal to increase unimpaired flows for fish species in the San Joaquin River took center stage at the California State Board of Food and Agriculture meeting Oct. 4 where agricultural interests cautioned that the increases would be devastating to growers and not help fish.

“We need innovation...,” Michael Frantz, director of the Turlock Irrigation District told the board during its meeting. “It’s beyond just throwing flow at it...this problem is greater than that.”

The State Water Resources Control Board in mid-September released a draft proposal that would increase unimpaired flows for fish species in the San Joaquin River from the current 20% to a range of 30% to 50%.

State Water Board staff and officials say the increase in unimpaired flows is needed because current standards are out of date and fish populations have plummeted.

But several speakers who represent agricultural interests said the impact to agriculture from the flow changes is far greater than the estimate of the State Water Board. They also stressed that unimpaired flow increases are not helping the fish species and new innovative approaches need to be explored.

“Flows don’t work. It’s 20th century water management. We are in the 21st century,” said David Guy, president of the Northern California Water Association. “We think California can do better.”

Guy said water suppliers, growers and scientists have developed some innovative efforts to help species such as a recent effort among water suppliers, local and state officials to redirect Sacramento River flows

through the Yolo Bypass to increase food for smelt. Guy cited the bypass effort as an example of using functional water flows — as opposed to unimpaired flows — to address fish species issues.

Frantz and others said the narrative of farmers versus fish is inaccurate and unhelpful. Changing the nature of that debate might go a long way to making progress in this arena, they said.

“We understand that a healthy fishery is part of a healthy farm...,” said Frantz. “We’re prepared to do what we need to do from a science-based (approach).”

“The science is showing us that the fish aren’t recovering, yet the State Water Board staff is doubling down with the same strategy,” said Mike Wade, executive director of the California Farm Water Coalition.

The documents released by the State Water Board in September are known as Phase 1 of the Bay Delta Plan update and an accompanying Substitute Environmental Document (SED) that analyzes the impacts, benefits, and costs of the proposed revisions. The draft proposal also updates water quality requirements for salinity in the southern Delta and water flows in major tributaries to the San Joaquin River (the Stanislaus, Tuolumne, and Merced Rivers), which drain into the southern Delta.

A public hearing on the proposal will be held over three days beginning on Nov. 2 in Sacramento, continuing Nov. 4 in the Modesto area, and concluding Nov. 10 in Sacramento.

Information on the proposal is at www.waterboards.ca.gov/waterrights/water_issues/programs/bay_delta/.



Top left: During a visit to UC Davis Fish Conservation and Culture Laboratory Sept. 19, Facility Manager Luke Ellison demonstrates how staff breeds and rears a Delta smelt refuge population at the facility.

Top right: Farmer Al Courchesne (second from right) welcomes the group to Frog Hollow Farm for a tour of organic orchard operations on Sept. 19.

Bottom: Fruit dries in the sun at Frog Hollow Farm on Sept. 19.

Region 5 Tour Features Visits to Knoll Farms, Byron Bethany ID

By Region 5 Chair David T. Hodgins

ACWA Region 5 co-hosted an agricultural program and tour with Byron Bethany Irrigation District (BBID) on Sept. 18 and 19 that highlighted local agriculture within the district and offered attendees a first-hand look at farming operations, irrigation management, and the delicious agriculture products from the region.

The program started at BBID and first visited Knoll Farms, where Ian Stewart led a tour of a sustainable farming system, explaining how the farm puts a strong focus on the soil ecosystem. In addition to the abundance of items grown at Knoll Farms year-round, some of the seasonal items we saw that day include figs, rosemary, artichokes, buckwheat, garlic, and much more.

After Knoll Farms, attendees returned to BBID for a program that featured

an update on ACWA's activities and initiatives from ACWA Executive Director Timothy Quinn and an overview by ACWA JPIA Director of Insurance Services Karen Thesing and Training Manager Patricia Slaven on JPIA activities and training opportunities. Byron Bethany Irrigation District General Manager Rick Gilmore also offered an update on the district's recent activities.

The next day, the tour traveled by bus to the UC Davis Fish Conservation and Culture Laboratory where Director Tien-Chieh Hung, Manager Luke Ellison and Assistant Manager Galen Tigan explained how they conduct rearing programs for Delta Smelt and Longfin Smelt.

Next, the group headed to Frog Hollow Farm where farmer Al Courchesne talked about his organic farming

operations. Frog Hollow Farm is home to hundreds of trees which produce pears, olives, persimmons, quince, apples, and more. The tour concluded at BBID where guests enjoyed a locally-sourced lunch.

On behalf of Region 5, I would like to thank Byron Bethany Irrigation District for generously hosting us at their facility and helping us coordinate such an educational and fun two-day program and tour – *thank you!* Information materials from this event are available at www.acwa.com/content/region-5/acwa-region-5-program-and-tour-september-18-19.

ACWA Region 5 will meet next at ACWA Fall Conference in Anaheim on Dec. 1. Registration information is available at www.acwa.com. *I look forward to seeing you there!* ♦

conservation measures such as putting a bucket in the shower or letting their lawns go completely brown,” Quinn said in comments picked up by several newspapers.

“Even so, the vast majority are maintaining robust conservation programs and putting significant dollars and resources into rebates, water-wise house calls, and public outreach to help Californians continue to make permanent changes in the way they use water both indoors and outdoors,” he said.

“The goals of drought preparedness and efficiency are more important — and more meaningful — than one-size-fits-all monthly targets set by the state,” Quinn added.

ACWA members continue to emphasize conservation and efficiency with their customers. Here are some examples:

Santa Clara Valley Water District: Adopted a 20% water use reduction standard based on local water conditions and the goal of improving groundwater storage. The district is promoting continued mandatory conservation measures including a maximum of three days per week for outdoor watering, landscape rebates, free home water audits. It also launched a new TV and billboard campaign.

City of Santa Barbara: The city’s Stage 3 Drought Regulations & Waste of Water Prohibitions remain in place, requiring a 35% citywide reduction

in water use. Residents exceeded that target by saving 42% in August. Programs and resources to promote conservation are continuing.



San Diego County Water Authority:

New Live WaterSmart campaign includes water use checkups, landscaping classes for homeowners and professionals, a water waste reporting app, rebates, and a new incentive program as part of its San Diego Sustainable Landscape Program. A digital ad campaign and partnerships with local organizations continue to promote regional water use efficiency.

City of Sacramento Department of Utilities: Stage 2 Drought watering schedule in place (two days per week with restricted hours). The city has set a conservation goal of 20% and offers rebates for drought-tolerant landscaping and other resources, including a new “beyond the drought” weather-based watering scheduler.



Desert Water Agency: Continues to request water use reductions of 10%-13%. Outdoor irrigation is limited to certain days and times. A popular turf buyback program is helping customers transform their landscapes. Other resources and permanent prohibitions on water waste continue.

DESSERT WATER AGENCY MANDATORY CONSERVATION MEASURES

IMPORTANT INFORMATION

- Avoid FINES by following the rules on this card.
- **FIRST VIOLATION** \$200 (single-family residents) \$500 (all other customers)
- **SECOND VIOLATION** \$300 (single-family residents) \$700 (all other customers)
- **THIRD VIOLATION** (not back-to-back) \$400 (single-family residents) \$900 (all other customers)

- Washing of landscapes is prohibited.
- **Outdoor irrigation shall be restricted to Mondays, Wednesdays and Fridays, before 7:00 a.m. and after 7:00 p.m.**
- Irrigating up to 48 hours after measurable rainfall is prohibited.
- Using potable water outside of newly constructed homes and buildings that is not delivered by drip or micro-spray systems is prohibited.
- Runoff such that water flows onto adjacent property, non-irrigated areas, private and public walkways, roadways, parking lots, or structures is prohibited.
- Restaurants may provide water to customers only upon request.
- The use of potable water to irrigate turf within street medians, and turf within the dedicated right of way on either side of a public street, is prohibited.
- Flushing water to wash vehicles is prohibited (buckets and stop nozzles on hoses are permitted).
- Operators of hotels and motels shall provide guests with the option of choosing not to have towels and linens laundered daily.
- Agency customers are encouraged not to empty and refill swimming pools from June 1 through October 31 unless necessary to address a health or safety emergency.

www.dwa.org/restrictions

Soquel Creek Water District: Stage 3 emergency water shortage continues through 2016 with customers asked to reduce by 25% compared to 2013. Measures include an efficient water use guideline of an annual average of 50 gallons per person, per day and continued permanent prohibitions on wasteful water use. Conservation programs and rebates continue.

Metropolitan Water District of Southern California: The district is providing \$100 million this year in rebates and incentives for water-saving changes at homes and businesses. It also is running a multi-cultural, multi-media advertising and outreach campaign in six languages to encourage people to “Love Water, Save Water.”

Tips on water conservation are available at www.saveourwater.com.

Laguna Beach CWD Hosts Annual SmartScape Expo

The Laguna Beach County Water District on Sept. 24 sponsored the district’s seventh annual SmartScape Expo which offered Laguna Beach residents water conservation ideas, instruction and inspiration.

The expo featured hands-on planting workshops, craft projects, free

landscape consultations, classes and demonstrations intended to help area residents make water conservation a permanent lifestyle.

The free event also showcased a number of vendors and local community groups dedicated to educating the public on water efficient practices.



Visitors create succulent planters at a planting workshop sponsored by the Laguna Beach CWD on Sept. 24.



Left: Steve Hall's son, Adam, poses with Randy Fiorini, Ara Gorgorian and Chip Mooneyham during the golf tournament Sept. 23 at the 16th hole memorial bench dedicated to Steve. **Right:** ACWA Executive Director Timothy Quinn congratulates three of the members of the winning team.

Golf Tournament Honors Steve Hall, Raises Funds for Scholarship

ACWA held the sixth annual Steve Hall Fierce Competitor Golf Tournament on Sept. 23 at DarkHorse Golf Club in Auburn. The tournament is held in honor of ACWA's former executive director, Stephen K. Hall, who passed away in January 2010 after a lengthy battle with amyotrophic lateral sclerosis (ALS), commonly known as Lou Gehrig's disease.

Hall shot his first and only hole-in-one on the 16th hole at DarkHorse, and a memorial bench was dedicated in his honor at the hole in 2014. This year's tournament raised more than \$17,000 which will go to the Steven K. Hall Water Law and Policy Scholarship and ALS research.

This year's first place team hailed from Peterson Brustad Consulting, Inc. and included players: Karl Brustad, Matt Mass, Brian Rickards and Jeff Wingfield. The second place team from Zoom Copier featured: Tom Renteria, Ed Roe, Rob Headley and Corey Carter.

Adam Hall, Steve Hall's son, won Closest to the Pin. The Longest Drive went to Rocky Martin.

The seventh annual Steve Hall Fierce Competitor Golf Tournament will take place in September 2017. ♣

ACWA thanks the following 2016 sponsors:

Platinum – Best Best & Krieger and HDR

Gold – CH2M, DowneyBrand, GEI Consultants, Metropolitan WD of Southern California, Reeb Government Relations, LLC, and Ron Davis Advocacy

Silver – ACWA JPIA, American Council of Engineering Companies, Bartkiewicz, Kronick & Shanahan, Dan & Nancy Nelson, Duane Morris LLP, MBK Engineers, and Tim & Vivien Quinn

Friend of Steve – Bette Boatman, John Burdette, John Coleman, Paula & Jim Currie, Kendra Daijogo, Randy Fiorini, Jeff Frost, Greg Gartrell, Jerry Gladbach, Dan & Ryn Gumpert, Gene Harris, Brent Hastey, Paul Kelley, Jennifer Persike & Keith Coolidge, Glen Peterson, Randy Record, David Reynolds, John Spranza, and Kathy Tiegs

Irvine Ranch WD Partners with AMS on Energy Storage Project

The Irvine Ranch Water District and the clean tech energy storage company Advanced Microgrid Solutions on Sept. 26 announced a public-private partnership to install the largest network of energy storage systems at a public water agency in the nation.

The grid support project will enable Irvine Ranch to store energy, making it available to reduce demand from the grid. It is estimated that the system will save IRWD more than \$500,000 per year.

“This battery storage system — the largest in the nation — provides significant cost savings, enhanced grid stability and contributes to reductions in greenhouse gas emissions and a smaller carbon footprint,” said IRWD Board President Mary Aileen Matheis

The partnership allows IRWD to address the “water/energy nexus.” Water and energy use are inextricably intertwined in that the pumping, treatment and distribution of water requires significant amounts of electricity.

“We’re proud to partner with IRWD on such an advanced, clean energy project,” said Susan Kennedy, CEO of AMS. “This energy storage system builds on IRWD’s sustainability and efficiency commitment, taking it to a new level in tackling the water-energy nexus.”

The 7 MW / 34 MWh network will utilize Tesla batteries, installed at 11 of IRWD’s largest and most energy-intensive facilities, as part of a major grid modernization project for Southern California Edison. ♣

Met and Western Municipal WD Partner with Altman Plants on Water Recycling System to Reuse Irrigation Runoff

Western Municipal Water District on Oct. 3 hosted a media event at the Altman nursery to present the recycling system that Western Municipal and the Metropolitan Water District of Southern California helped to fund two years ago through a grant to Altman Plants.

The grant helped to fund a system to recapture and reuse irrigation runoff at the company's Riverside County nursery. The water recycling system is reported by Western Municipal to be saving approximately 360 acre-feet of water per year.

Guests were shown the irrigation runoff's path from a remedial pond to a vegetated pond and canal with cattails, barley and canna plants that naturally remove excess nutrients and fertilizer. The water then undergoes treatment and storage in a holding pond until



Vegetation provides natural filtration to recaptured irrigation runoff in the Altman Plant's water recycling system.

receiving final treatment just before reuse. The nursery, which specializes in water conserving succulents, is one of Western Municipal's largest retail

water companies. Documented water savings have exceeded the project's goal by 5.5%. ♦

White House Recognizes Sonoma County Climate Resilience Team

The White House Office of Science and Technology Policy recognized the Sonoma County Climate Resilience Team as a national leader in climate adaptation at a Sept. 22 event in New York City as part of United Nations Climate Week.

The event, attended by Sonoma County Water Agency Directors Efrén Carrillo and James Gore, also launched the Partnership for Resilience and Preparedness. PREP is a public private collaboration that combines government data and design capacity with the local expertise of private and philanthropic sectors to help communities develop data-driven planning and resilience related to climate preparedness.

PREP emerged out of the White House Climate Data Initiative to identify prior-

ity-information needs, reduce barriers to data access and usability, and develop an open-source platform to enable sharing and learning. The SCCRT was selected to help develop the PREP beta platform, which draws from an expanding pool of climate resilience data and planning tools that have been created for Sonoma County to date.

"The Partnership for Resilience and Preparedness has helped our community work together and integrate climate risk data into one central online platform that is available to our whole community," Sonoma County Water Agency Chairman Efrén Carrillo stated in a press release. "Before PREP, this data had no single home; instead it was fragmented amongst our government agencies and

community organizations. Our urban planners, farmers and community now have the ability to plan for the future with this critical PREP climate resiliency platform."

The SCCRT is a Sonoma County public-private coalition that includes the Sonoma County Water Agency, Sonoma County Regional Climate Protection Authority, Pepperwood Foundation, Sonoma Ecology Center, Sonoma County Agricultural Preservation and Open Space District, United States Geological Survey and Earth Knowledge. The Sonoma County PREP beta platform is an internet tool for Sonoma County communities to better understand climate risk by providing locally-specific climate data and case studies. ♦

Construction Manager/Engineer

Lindsay-Strathmore Irrigation District

Lindsay-Strathmore Irrigation District is in need of a candidate for the newly created position of Construction Manager. The Construction Manager is an integral part of the management team and assists in the planning, directing and oversight of the District's programs, services and operations. This position involves extensive construction activity to update the District's distribution system and to rebuild the District's infrastructure. Specifically, the Construction Manager will be responsible for the establishment of a construction department and the maintenance of the District's distribution system and the modernization of the District's infrastructure including pipelines, tanks and reservoirs.

The ideal candidate must possess a strong combination of work experience and education. A degree in construction management or civil engineering is desirable.

Job located in the southern San Joaquin Valley in Tulare County. The District is a federal water contractor on the Friant-Kern Canal. The District offers a very competitive salary and full range of benefits including 401K, health, dental and vision insurance.

Please forward resumes, work experience and complete salary history to:

btroxel@bak.rr.com

or

Western Employers Consultants
PO Box 2055
Bakersfield, CA. 93303

Deputy Manager

Reclamation District 108

Seeking an experienced, solution-oriented professional with a passion for responsible environmental stewardship and a deep understanding of water supply and flood control. Provide leadership with the General Manager on programs, projects and operations.

BS and 5+ years in water supply, drainage, flood control, or large-scale agricultural management required.

Approximately 40 miles north of Sacramento, Reclamation District 108 is a service-oriented organization providing water delivery, drainage, and flood control

in an economical and environmentally sound manner, while preserving District Water Rights.

- Up to \$120,000/year DOQ + Benefits
- 3BR/2BA RIVER-FRONT HOME Available

Contact Heather Shupe (408) 348-9512 for IMMEDIATE consideration

hshupe@municipalresourcegroup.com

Deputy Municipal Utilities Director/Wastewater

City of Stockton

The City of Stockton is searching for a Deputy Municipal Utilities Director/Wastewater to oversee 38 staff in the Wastewater Utility and \$64.9 million budget (2016/2017 FY) including \$7.2 million Capital Improvement Program. Requires Bachelor's degree and 3 years of supervisory experience in a major water or wastewater utility. Annual salary up to \$137,695 plus benefit package including CalPERS retirement; candidates registered as a PE in California, salary is up to \$149,345. Apply by submitting cover letter, resume, and salary history to apply@ralphandersen.com by October 28, 2016. Confidential inquiries welcomed to Gary Peterson at (916) 630-4900. Detailed brochure available at www.ralphandersen.com.

District Engineer

Reclamation District 108

Immediate opening: Reclamation District 108 is seeking a talented engineering professional interested in building a career in water resource management to join our team. Provide technical support related to:

- Irrigation/Drainage
- Levee Repair
- Surface Water Rights
- Water Use Efficiency, and more

BS or equivalent and 3+ years of related experience required.

Approximately 40 miles north of Sacramento, Reclamation District No. 108 is a service-oriented organization providing water delivery, drainage, and flood control in an economical and environmentally sound manner.

- Up to \$70,000/year DOQ + Comprehensive Benefits
- 3BR/2BA RIVER-FRONT HOME Potentially Available

Contact Heather Shupe for IMMEDIATE consideration (408) 348-9512

hshupe@municipalresourcegroup.com

General Manager

Georgetown Divide Public Utility District

The Georgetown Divide Public Utility District is searching for a General Manager to lead all affairs of the District including administration, public relations, operations, and engineering with a staff of 22 and \$4 million annual budget. Bachelor's degree required; Master's degree and/or registration as a PE preferred. Requires relevant professional management level experience within a government agency or private utility industry. Salary range is \$120,000 – \$145,000 DOQ. Apply by submitting cover letter, resume, and current salary to apply@ralphandersen.com by November 4, 2016. Confidential inquiries welcomed to Heather Renschler, Ralph Andersen & Associates, at (916) 630-4900. Detailed brochure available at www.ralphandersen.com.

General Manager

Root Creek Water District

Annual Salary: \$125,000-\$200,000 DOQ



The Root Creek Water District (RCWD) is seeking a proactive leader to manage the unique and exciting operations of the District. RCWD, located in southeastern Madera County bordering the San Joaquin River to the south and Highway 41 to the east, consists of approximately 9,500 acres and enjoys a surplus of water supplies through both groundwater and surface water rights and contracts. Primarily and historically consisting of agricultural water users, the District's location is within the region's path of growth giving RCWD a unique opportunity to serve both agricultural and M&I users. Development has already begun in the District starting with Riverstone, the highly anticipated 2,000 acre masterplanned community including 6,578 residential units, commercial

Continued on page 19



Randy Record

Photo Courtesy of The Metropolitan Water District of Southern California

ACWA Past President Record Reelected Chairman of MWD Board of Directors

ACWA Past President **Randy A. Record** was reelected Oct. 11 as chairman of the board of the Metropolitan Water District of Southern California.

Record, a San Jacinto Valley native who has represented Riverside County's Eastern Municipal Water District on Metropolitan's Board of Directors since January 2003, will begin his second two-year term as chairman of the 38-member governing board on Jan. 1.

"These have been incredibly challenging times for Californians and water agencies," Record said in a written statement. "I'm grateful for the support of my board and proud of the leadership we have provided during my first term to ensure we prudently manage through the current drought, promote conservation, and stewardship, invest

in infrastructure and look to the future."

Record is credited with providing the leadership that helped the district navigate supply and resource challenges during the state's ongoing historic drought. During his first term as president, the district confronted unmatched drought conditions. In response, for the fourth time in its history, Metropolitan restricted wholesale deliveries to its 26 member public agencies to help save water and stretch available supplies, while also establishing the nation's largest turf removal and water conservation program.

In addition to managing drought during his first term, Record led the board through the process of updating Southern California's long-term water resource plan, outlining ways to maintain supply reliability for the next 25 years. The updated plan identifies investments that will protect the region from potential shortages. ♦



Mark Muir

SDCWA Board of Directors Elects New Officers; Mark Muir is New Chair

The San Diego County Water Authority Board of Directors recently elected new board officers, selecting former vice chair **Mark Muir** as chair. The new two-year terms begin Oct. 1.

Muir, who represents the San Dieguito Water District, has served as the board's vice chair for two years. Jim Madaffer, secretary of the board for the past two years and a representative from the City of San Diego, will serve as vice chair. Incoming Secretary

Gary Croucher is a board representative from the Otay Water District.

Muir's election follows two years of board leadership under Mark Weston, a retired general manager of the Helix Water District who has served as a representative from the City of Poway since 2011. Weston was honored at a recent meeting for leading the Water Authority through a period marked by escalating drought challenges, regional success beating state-mandated water-use reduction targets and the historic start of operations at the Claude "Bud" Lewis Carlsbad Desalination Plant. ♦



Bob Churchill

Robert Churchill Retires from Citrus Heights Water District

Citrus Heights Water District General Manager **Robert A. "Bob" Churchill** has announced that he will retire Nov. 17 following 40 years of service to the district. He will be succeeded by Assistant General Manager Hilary Straus, district officials announced.

Churchill joined the district in May 1976 as an engineer. In 1981, he was named assistant manager and in 1986 he was appointed as general manager. Churchill served as president of the Sacramento Area Water Works Association in 1989, president of Rotary Club of Citrus Heights in 2003, chair of the Regional Water Authority in 2004 and two terms on ACWA's Insurance and Personnel Committee. ♦



Greg Zlotnick

Zlotnick Joins Management Team at San Juan Water District

Greg Zlotnick has joined the management team at San Juan Water District where he will focus on water resources and strategic affairs, officials with SJWD announced in September.

Zlotnick brings over three decades of water policy experience to San Juan, including over a decade on the board of the Santa Clara Valley Water District and 16 years on the ACWA Board of Directors. At SJWD, he will focus on long-term conservation, activities of the State Water Resources Control Board, and regional water resources projects.

Zlotnick's previous experience also includes

working for state and federal legislators, and state agencies. Early in his career, he served on the staff of the Bay-Delta Oversight Council (the state's precursor to the CALFED program) and as Special Assistant to the Director for Water Resources at the Department of Fish and Wildlife. In addition, he has served on the boards of the National Water Resources Association, the National Water Reuse Association, and the American Groundwater Trust, among others.

Zlotnick also has chaired ACWA's federal affairs, water management and groundwater committees. In 2011, Zlotnick was honored with the ACWA Emissary Award. ♦

Continued from page 17

properties, onsite schools and significant park and open space reserves. Additional development is planned throughout the District which will likely put RCWD at the epicenter of development of a new city in the region. All developments within RCWD will rely entirely on the District for municipal water, wastewater and storm drain service.

The ideal candidate should possess strong leadership and management skills

with the desire and motivation to grow the District as it transitions from primarily agricultural customers to a growing population of municipal users. The General Manager will report to the RCWD Board of Directors and will be responsible for managing multiple consultants and contractors for the efficient operation of the District. The applicant should be a seasoned professional with demonstrated management abilities and exceptional

people skills with specific experience in managing public utilities, agricultural irrigation and water law. Ability to work with regulatory agencies, tracking legislation, management of SGMA related processes and interfacing with state and federal partners is required.

To be considered for this exciting opportunity, please submit resume, cover letter, work related references and salary history via email to nick@ccdglc.com. ♦

Pure Water Monterey Project Launches with Historic Agreement

An historic water purchase agreement was signed Oct. 17 that will allow for the delivery of 3,500 acre-feet of safe, highly-purified drinking water to the Monterey Peninsula from the Pure Water Monterey Project. The purchase agreement is a partnership among the Monterey Regional Water Pollution Control Agency, the Monterey Peninsula Water Management District and California American Water.

A signing ceremony to commemorate the agreement took place at the Pure Water Monterey Advanced Water Purification Demonstration Facility in Marina.

"For over 25 years, the Monterey Peninsula has been actively working to-

wards developing a new and sustainable water supply to comply with the State Water Resources Control Board's Cease and Desist order," said David Stoldt, the general manager of the MPWMD. "To have reached that goal is exciting and while there are still some regulatory approvals to receive, we are on track to deliver water in 2018."

Pure Water Monterey is an advanced water recycling project, jointly developed by Monterey Peninsula Water Management District and the Monterey Regional Water Pollution Control Agency. The project is a multi-benefit, integrated, regional solution that is viewed by many as a water recycling model for other regions in California.

The project provides both purified potable water for domestic use, as well as a supply for irrigation. The project will be the first of its kind to utilize not just wastewater, but stormwater, food industry processing water, and impaired surface waters of the state to create an environmentally sustainable solution for our area's water supply problem.

"Pure Water Monterey truly is the future of water," commented Paul Sciuto, the general manager of the MRWPCA. "The regional cooperation between our nine public agency partners has been tremendous and we hope that Pure Water Monterey will serve as a model for other cities across the country." ♦

MOST CLICKED

Here are some of the latest most-clicked stories on ACWA's website, www.acwa.com. Be sure to subscribe to ACWA's eNews to get the latest news in your email box each week. See www.acwa.com/newsletters/ACWA-eNews for more.

DWR Releases Final Changes to Groundwater Basin Boundaries

— 10/18/2016

WY 2017 Kicks Off with 4.9 Million Acre-Feet in Storage for CVP —

10/07/2016

Californians Show Ongoing Commitment to Water Conservation

— 10/05/2016

Proposed Unimpaired Flows for Fish Species Explored at Food and Ag Board Meeting —

10/04/2016

San Luis and Delta-Mendota Water Authority Calls for Action on Water Allocations —

09/30/2016

TWITTER CHATTER

UC Water@UCWater • Oct 3 • Going into the new water year, #California remains in a #drought.

Kathleen Hedberg@mom4h2o • Oct 3 • Placer County Two important resources come together – Water & Energy Nexus! Today the tour of @PlacerWater & tomorrow the @ACWAWater discussion!

Danielle Blacet@cmua_water • Oct 1 • Irvine Ranch Water District leading the way with innovative battery storage project.

California IBank@IBankCA • Oct 6 • WTG CA!! >> #Californians Show Commitment to #Water #Conservation

CA – DWR@CA_DWR • Oct. 10 • More water in California reservoirs, but drought persists

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UPCOMING EVENTS

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NOVEMBER 2016

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REGISTRATION
NOW OPEN
ENDS OCT 28

ACWA Region 9 is hosting a Coachella Valley Water Tour highlighting water supply in the inland desert of Southern California. The tour has several stops including an Indio Water Authority Ion Exchange Well, Desert Water Agency's solar field, the Coachella Canal, and the Salton Sea. For more information and registration go to www.acwa.com/events/acwa-region-9-program-tour-0.

7

REGISTRATION
NOW OPEN
ENDS NOV 1

ACWA Region 4 is hosting an event that will highlight some of the notable habitat improvement projects in the Sacramento watershed and other regional agencies. For more information and registration go to www.acwa.com/events/save-date-acwa-region-4-program-walking-tour.

29 – Dec. 2

REGISTRATION
NOW OPEN
ENDS NOV 1

ACWA's 2016 Fall Conference & Exhibition will take place in the Anaheim Marriott Hotel in Anaheim. For more information and registration go to www.acwa.com/events/acwa-2016-fall-conference-exhibition or contact Melanie Medina at melaniem@acwa.com.



FEBRUARY 2017

28 – Mar. 2

ACWA DC2017 conference is set for February 28 to March 1, 2017 at the St. Regis Hotel in Washington, D.C. More details to come.