The Department of Water Resources conducted the fourth Phillips Station snow survey of 2019 on April 2. The manual survey recorded 106.5 inches of snow depth and a snow water equivalent (SWE) of 51 inches, which is 200 percent of average for this location.

Statewide, the Sierra Nevada snowpack is 162 percent of average. California has experienced more than 30 atmospheric rivers since the start of the water year, with six in February alone, and statewide snow water equivalent has nearly tripled since February 1. Snow water equivalent is the depth of water that theoretically would result if the entire snowpack melted instantaneously. It is an important tool used by water managers across the state to estimate anticipated spring runoff.

“With full reservoirs and a dense snowpack, this year is practically a California water supply dream,” said DWR Director Karla Nemeth. “However, we know our long-term water supply reliability cannot rely on annual snowpack alone. It will take an all-of-the-above approach to build resiliency for the future.”

Snowpack is an important factor in determining how DWR manages California’s water resources each year to meet demands. On average, the Sierra snowpack supplies about 30 percent of California’s water needs as it melts into streams and reservoirs in the spring and early summer to meet water demands throughout the year. The April results are a key indicator for the rest of the year’s water supply. The snowpack’s water content typically peaks around April 1, after which the sun’s higher position in the sky begins to accelerate snow melt.

While the April 1 snowpack data is good news for water supply, state officials warn there could be flooding risks later this spring.

“With great water supply benefits comes some risk,” said Jon Ericson, DWR Chief of the Division of Flood Management. “Based on snowpack numbers, we have the potential for some minor flooding due to melting snow so we remind folks to always stay vigilant and aware.”

The state’s largest six reservoirs currently hold between 106 percent (Oroville) and 132 percent (Melones) of their historical averages for this date. Lake Shasta, California’s largest surface reservoir, is 109 percent of its historical average and sits at 89 percent of capacity.

Continued on Page 2

April Industry Insight Topic:

**YLWD’s New Fairmont Booster Pump Station Provides Flexibility to Serve 100% Groundwater or 100% Imported Water – Enhancing Reliability While It Limits Costs**

**Speaker:** Rosanne Weston, P.E.*, P.M.P.

*Engineering Manager, Yorba Linda Water District*

This informative talk will explore YLWD’s recently completed major pumping station overhaul, an engineering feat that promises to increase the reliability of District’s water supply while it limits ratepayers’ costs.

**Wednesday, April 17, 2019**

*Dave & Buster’s Restaurant*

*Irvine Spectrum Entertainment Center*

11:30 am: Registration
12:00 – 1:30: Lunch & Presentation

To make reservations, please go to [www.OCWater.org](http://www.OCWater.org)

Reservations must be made by EOB, Tuesday, March 19, to qualify for the Reservation Rate. Cancellations received AFTER this date CANNOT be refunded.

For more information, contact Leticia Villarreal at (714) 378-3201

Please identify yourself by name and membership number.

RSVP IS A FINANCIAL COMMITMENT. NO-SHOWS WILL BE BILLED

FOR COMPLETE INFORMATION, SEE PAGE 3 OR VISIT OCWATER.ORG
New Poll Finds 85% of Public Supports Federal Water Infrastructure Investment

The Value of Water Campaign released the results from its fourth annual national poll. The poll found continual, significant bipartisan support for water infrastructure investments: 85 percent of American voters support increasing federal water infrastructure investment. The need for capital water infrastructure improvements continue to rise, but federal investment is not keeping pace putting both local communities and the greater economy at risk. The poll found most voters are willing to pay more for improved water service, but overwhelmingly want the federal government to step up and address the issue.

Key poll findings include:

- Americans support rebuilding our nation’s infrastructure more than any other issue facing the current administration, including building a border wall, repealing or replacing Obamacare, providing permanent status for Dreamers, or increasing military defense spending. Over three-fourths of voters (79 percent) say rebuilding America’s infrastructure is extremely or very important.
- More than two-thirds of Americans (68 percent) support investment in water infrastructure at the national, state, and local levels – even when told that investment carries a $1.2 trillion price tag. Also, two-thirds of voters support a proactive program of water infrastructure upgrades, rather than fixing problems as they arise (67 percent).
- Four in five (80 percent) American voters say what they pay for water service is affordable, and more than three in five voters would be willing to pay a modest increase in local water rates to fund improved service.
- No other issue has nearly as much broad and bipartisan support. Support for investing in water infrastructure cuts across age, gender, party, geography, and ideology. More than three in four Democrats and Republicans agree rebuilding America’s infrastructure should be a top priority for the President and Congress this year.

Statewide Snow Pack is Well-Above Normal

Continued from Page 1

DWR conducts up to five snow surveys each winter – near the first of January, February, March, April and, if necessary, May – at Phillips Station in the Sierra Nevada just off Highway 50 near Sierra-at-Tahoe. The Phillips snow course is one of hundreds that is surveyed manually throughout the winter. Manual measurements augment the electronic readings from about 100 snow pillows in the Sierra Nevada that provide a current snapshot of the water content in the snowpack.

Water quality concerns emphasizes need for investment and innovation. Seventy-four percent of Americans – living in both urban and rural areas – are concerned about contaminants affecting their water quality. More than five in eight Americans support local water agencies increasing the use of potable recycled water in their community.

“Water is essential to everything we do, and our drinking and wastewater systems are incredible achievements. But after operating 24/7/365 for decades or even a century, these systems are in need of repair,” states Radhika Fox, CEO of the US Water Alliance. “Federal appropriations for key water infrastructure loan programs have decreased in recent years, and overall federal support for water infrastructure is a fraction of what it was in the past. Policy-makers need to listen to Americans, who overwhelmingly want their government to focus on issues like investing in infrastructure.”

The poll release coincides with Water Week, a national effort lead by water professionals from across the country. This poll measured responses from 1,000 registered voters and was conducted by the bipartisan research team of Fairbank, Maslin, Maullin, Metz, and Associates and New Bridge Strategy.

POSITIONS AVAILABLE

Trabuco Canyon Water District is currently seeking a General Manager

In addition, PACE Advanced Water Engineering has positions available for a variety of water professionals.

Among the opportunities on their team are:

- Senior CAD Designer – Stormwater
- CAD Designer – Environmental Water
- Project Engineer – Environmental Water

For further information on these and other currently open positions, please check them out in the “Opportunities” section of the OCWA website: www.ocwater.org/Opportunities
The Yorba Linda Water District has completed a major pumping station overhaul that promises to increase the reliability of its water supply while it limits ratepayers’ costs.

The newly refurbished Fairmont Booster Pump Station has replaced an aging, 44-year-old facility with a new powerhouse comprised of eight robust pumps capable of providing the District with remarkable flexibility in its operations. Now able to pump water to three different pressure zones within its service area, this new array will help the District fully utilize both the groundwater from its wells and imported surface water from Diemer, improving the resiliency, reliability, and efficiency of the entire system.

Out of concern over periodic, scheduled outages, and the fear of how fire or earthquake could impact the system, the YLWD Board of Directors has long sought a way to cut its reliance on Metropolitan Water District. Now, with its revamped Fairmont Station, YLWD can serve its customers with either 100% groundwater or 100% imported water, and easily switch between the two. And with an onsite sodium hypochlorite system, water purification is always assured.

The new booster station has a pumping capacity of 10,900 gpm. It’s designed not only to deliver water to multiple pressure zones, but to push the water uphill over 1,100 feet to reach the most elevated communities in Yorba Linda. This push succeeds because of a series of powerful electric pumps which are augmented by a backup diesel-powered generator to ensure a continued flow of water in the event of a power outage.

Join us April 17 when Yorba Linda’s Engineering Manager, Rosanne Weston, takes us through a fascinating survey of a remarkable engineering feat. She’ll give us a look behind the scenes at everything that went into making this project a reality, and show us how the District expects to utilize its revamped power to provide a reliable water supply at the most affordable price.

Be certain to attend. There’ll be something for everyone at this month’s Industry Insight.

About Our Speaker
Rosanne Weston is the Engineering Manager at the Yorba Linda Water District. She holds a Bachelor’s and Master’s degree in Civil Engineering from California State University at Long Beach and the University of Tennessee at Knoxville, respectively. She has over 30 years of experience in the management and design of municipal water and wastewater facilities. Rosanne owned an engineering firm for 18 years, and also worked for MWH (Stantec), AECOM, Atkins, and the City of Rancho Palos Verdes.

Career highlights include serving on US EPA Consent Decree programs; as Miami-Dade Water and Sewer Department’s $1 billion CIP Program Manager; Seattle Public Utilities CMOM Program Task Leader; Lead Technical Negotiator and Program Advisor on the City of Atlanta’s $4 billion Clean Water Atlanta Program; and as Area Manager and Design Engineer on Nashville’s $840 million Sewer Overflow Abatement Program.

*P.E. in Florida and Georgia

Wednesday, April 17, 2019
Dave & Buster’s Restaurant ♦ Irvine Spectrum Entertainment Center
11:30 am: Registration ♦ 12:00 – 1:30: Lunch & Presentation
OCWA Members with Reservations…… $30 Non-Members with Reservations…… $45
OCWA Members without Reservations…. $45 Non-Members without Reservations…… $45

Reservations must be made by EOB, Tuesday, April 16, to qualify for the Reservation Rate.
Cancellations received AFTER this date CANNOT be refunded.

To make reservations, please go to the OCWA website: www.ocwater.org

For more information, contact Leticia Villarreal at (714) 378-3201
Please identify yourself by name and membership number.

RSVP IS A FINANCIAL COMMITMENT. NO-SHOWS WILL BE BILLED
2019 Golf Tourney Set for Strawberry Farms CC

Monday, June 3, 2019

7:15 am Check-In/ Breakfast • 9:00 am Shotgun Start

It’s that time of the year again! Time to start thinking about the Annual OCWA Golf Tournament.

Due to higher costs at Newport Beach Country Club (NBCC), we will be moving the event to Strawberry Farms Golf Club (SFGC). The SFGC staff has been very welcoming to our planned OCWA golf event and we will be able to make a few changes for the better.

First – and possibly best – golf entry fees will go back to $150. How many times do you see price reductions! We will also start the event earlier in the day. SFGC will allow us out on their course by 9:00 a.m., which will allow us to be finished with the awards ceremony by 4:00 p.m. or so. Check-in will be 7:15 a.m.

Singles and twosomes are welcomed and appreciated. As a reminder, the event is for OCWA members & their Water Professional guests. The OCWA Board requires a minimum of one OCWA Member per cart or two OCWA Members per foursome.

Lastly, please check your OCWA Membership status as we will be reviewing your status more closely this year as that is a requirement to be in the event. The benefits of membership far outweigh the modest $70 per year cost. Check the Membership tab on our website for complete information.

For additional information about the Tournament, please e-mail Mike Sinacori at Msinacori@newportbeachca.gov or give him a call at (949) 644-3342.

CLICK HERE TO DOWNLOAD REGISTRATION FORM AND EVENT RULES

Sponsorship Opportunities!

Sponsorship pricing has been REDUCED to $250, same price it was for several years prior to 2016. And as noted above, how many times do you see price reductions?

Your sponsorship helps buy the prizes for the event. It also pays for the planned breakfast and awards ceremony, where SFGC’s famous barbeque and no-host bar will be provided. Your sponsorship also provides for a company tee sign and company name, contact and phone number on the reverse of the rules, which goes to every player the day of the event. Sponsors are also listed in the OCWA monthly newsletter to all association members starting in April, as well as on the OCWA website. What a great good marketing deal!

To become a priority sponsor, simply print the form, fill it out and send it in with a check for $250.

Lastly, please check your OCWA Membership status as we will be reviewing your status more closely this year as that is a requirement to be in the event. The benefits of membership far outweigh the modest $70 per year cost. You can sign up for Membership on-line at www.ocwater.org.

For additional information, please e-mail Mike Sinacori at Msinacori@newportbeachca.gov or call him at (949) 644-3342.
Eleventh Annual County-Wide

2019 SAFETY FEST

Join us for the eleventh annual county-wide safety event created specifically for operations staff in the water industry.

There will be Contact Hours available to those attendees who attend any – or all – of the state-approved training sessions offered at SafetyFest.

Training Session Topics will be Announced Soon.

Thursday, May 23, 2019

7:30 am to 4:00 pm
Registration begins at 7 am
Continental breakfast and a lunch buffet are included.

City of Santa Ana Public Works Yard
220 S. Daisy Avenue • Santa Ana, California 92703

Tickets: $45.00 PER PERSON (Member & Non-Member)

To make reservations, contact:
Bobby Young at (949) 837-7050, ext. 247
or via email: BYoung@etwd.com

You can also register online at: www.ocwater.org

You may also pay by check. Mail payment to:
Orange County Water Association
Attn: SafetyFest
P.O. Box 51404 • Irvine, California 92619-1404

RSVP IS A FINANCIAL COMMITMENT. NO-SHOWS WILL BE BILLED
OCWD President Testifies Before Congress about Safe and Reliable Water in Western United States

Orange County Water District President Vicente Sarmiento testified early this month before the House Subcommittee on Water, Oceans, and Wildlife on the provision of a safe and reliable water supply in the western United States.

As a leader in water recycling and groundwater management, OCWD was invited to discuss the projects and programs it has implemented that have helped the region to better weather drought and that have created a long-term reliable water supply for the 2.5 million people it serves in north and central Orange County.

Since, 1933 OCWD has managed and protected the Orange County Groundwater Basin, which provides water to 2.5 million people in north and central Orange County. Nineteen cities and water districts water districts pump 77 percent of their water supply out of the groundwater basin. OCWD’s proactive approach to planning and investment resulted in a groundwater basin that is protected against seawater intrusion and has doubled its annual yield since the 1960s.

For decades, OCWD has worked with the U.S. Army Corps of Engineers to capture more stormwater behind Prado Dam to minimize the loss of stormwater to the ocean and maximize what is put into the groundwater basin. Additional efforts with the Corps include increasing water supply reliability and flood control management through advanced forecasting tools such as Forecast Informed Reservoir Operations (FIRO) that allows improved forecasts and new tools to be used by water managers for water operations. Increased forecast ability (longer lead time) will allow the Corps and OCWD to update operations at Prado Dam to improve water supply reliability in a changing climate, thereby reducing demands on imported water and saving energy.

“OCWD was truly honored to testify before the subcommittee and will continue to collaborate and share information in the interest of providing water reliability for all,” added President Sarmiento. “OCWD’s innovation, along with state and federal support, are the reasons why OCWD’s projects and programs are in place.”

As leaders in the water industry, OCWD is a supporter of legislation currently pending before the Subcommittee, H.R. 1162, that would reinvigorate the United States Bureau of Reclamation’s Title XVI water recycling program, authorizing $500 million dollars in competitive grants assistance and, for the first time, increasing the ceiling on project assistance to $30 million. The District requested that the subcommittee move to approve H.R. 1162 so that many more projects like the GWRS may be built.

ACWA Executive Director Testifies Before Congress on the Importance of Funding Water Infrastructure

Representing ACWA and the National Water Resources Association (NWRA), ACWA Executive Director Dave Eggerton today testified before Congress on the vital importance of including water in any infrastructure package.

Eggerton appeared before members of the House Subcommittee on Water, Oceans, and Wildlife. In addition to testifying, Eggerton submitted written testimony to the Subcommittee, and wrote:

“Water infrastructure need is not limited to steel and concrete. When discussing water infrastructure, we must also recognize that our nation’s forests are a critically important part of this network. Healthy forests are integral to healthy watersheds and the protection of water supplies.”

Eggerton listed nine specific areas within a comprehensive approach to water infrastructure improvement, but also outlined strategies and financing options. These included municipal bonds, tax credit bonds and increased access to funding administered by the Bureau of Reclamation through the ACWA-supported Indian Water Rights Settlement Extension Act (H.R. 1904). Eggerton encouraged the Subcommittee and Congress to use this legislation to create a dedicated source of funds for water infrastructure. This could include a revolving loan program, matching grants and directing funding toward innovation and technology.

However, Eggerton added that funding was only one part of the complex formula of upgrading the nation’s water infrastructure.

“We encourage Congress to continue looking for opportunities to improve the federal permitting process by streamlining regulations, improving interagency coordination, providing greater transparency, and reducing unnecessary duplication,” Eggerton noted in his written remarks, highlighting bipartisan legislation introduced by Congressmen John Garamendi (D-3) and Ken Calvert (R-42) to extend National Pollutant Discharge Elimination Permits as an example.

Interested in Participating in OCWA?

Many Volunteer Opportunities are Available

Looking for a way to give back to your professional community, meet new people within the industry, and contribute — in a meaningful way — to the mission and goals of the Orange County Water Association? Your help is wanted in a variety of posts. We need social support for the summer Golf Tournament and winter Holiday Party, and professional assistance with SafetyFest and our Operator Training events.

It’s an exciting, fun way to expand your contacts, gain visibility within the profession, and find rewarding benefit in helping others. Talk to one of the officers or members of our Board, or the chair of the committee you’d like to assist. Contact information is on Page 8, or visit our website, www.OCWater.org.
ARE YOU INVOLVED IN THE WATER INDUSTRY IN ORANGE COUNTY?
If yes, then consider becoming a member of the Orange County Water Association (OCWA).
OCWA mission is to foster advancement in the Water Works Industry, set high standards for potable water, exchange ideas and work for standard policies and procedures of mutual help during water emergencies, disseminate information for the education of the general public in the use of water and its value to civilization and aid in water research.

AS A MEMBER OF OCWA YOU WILL RECEIVE THE FOLLOWING BENEFITS

Build Your Network
- **Monthly Meetings**: Reduced fees for our monthly meetings which provide an opportunity to hear from local leaders on new and innovative projects, and meet other local water industry professionals.
- **Annual Holiday Party**: The annual holiday party brings together over **200+ members and guests**.
- **Annual Golf Tournament**: This member only event draws 100+ water professionals. The event features prizes and a non-scramble format.
- **Expand Your Contacts**: Members gain access to OCWA’s vast member directory.

Advance Your Career
- **Board Positions**: Earn a position on the Board to gain leadership.
- **Gain Visibility**: Gain opportunities to present your agency/company’s projects or programs to our local network.
- **Committee Positions**: As a member, consider joining one of various committees.

Education and Training Opportunities
- **Monthly Newsletter**: Jobs, projects, local water news, regulatory and legislative updates each month.
- **Safetyfest**: Earn CEUs from State approved training sessions.
- **Annual BBQ**: This Operator Training Event, offers CEUs, over 20 vendor exhibitions, and a Pipe Tapping Contest.

To join OCWA visit our website at: [ocwater.org/join-us](http://ocwater.org/join-us)
SCWD Issues $41.6 Million in Bonds, Saving Ratepayers Approximately $979,000

South Coast Water District (SCWD) successfully sold $41.6 million in revenue bonds in February, resulting in approximately $979,000 in net present value savings as compared to the 2010B revenue bonds refinanced. SCWD also financed $25 million in additional capital for critical long-term assets; the bond issue successfully closed on February 20, 2019.

The bond team, led by the General Manager Mr. Rick Shintaku and Chief Financial Officer Ms. Pamela Arends-King, successfully worked with municipal advisors at Fieldman, Rolapp & Associates, Inc., specialized legal counsel at Stradling, Yocca, Carlson & Rauth, PC, and bond underwriter, Morgan Stanley to issue the new bonds to complete the transaction.

The successful path included critical meetings with S&P Global Ratings and Fitch Ratings, the two credit rating agencies that rated the bonds. Both S&P Global Ratings and Fitch Ratings assigned a credit rating of AA+ to the bonds. SCWD’s strong credit story (inclusive of strong financial results, a stable and robust local economy and strong management) resulted in a successful pricing that attracted robust demand from retail and institutional investors, resulting in nearly $78 million of total orders from a wide range of accounts, including some of the largest bond funds in the municipal market.

2019 OCWA CALENDAR OF EVENTS

<table>
<thead>
<tr>
<th>Date</th>
<th>Event/Topic</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 15</td>
<td>EMWD’s Indirect Potable Reuse</td>
<td>Dave &amp; Busters</td>
</tr>
<tr>
<td></td>
<td>Marc Serna, Director of Engineering</td>
<td></td>
</tr>
<tr>
<td>May 23</td>
<td>11th Annual SafetyFest</td>
<td>Santa Ana Public Works Yard</td>
</tr>
<tr>
<td>June 3</td>
<td>O.C.W.A. 40th Annual Golf Tournament</td>
<td>Strawberry Farms Golf Club (Irvine)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date</th>
<th>Event/Topic</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>July 17</td>
<td>Luncheon/Operator Competition</td>
<td>Dave &amp; Busters</td>
</tr>
<tr>
<td>August 21</td>
<td>Luncheon/Operator Competition</td>
<td>Dave &amp; Busters</td>
</tr>
<tr>
<td>September 19</td>
<td>Exhibition &amp; Operator Competition</td>
<td>Rattlesnake Reservoir</td>
</tr>
<tr>
<td>October 16</td>
<td>Luncheon/Operator Competition</td>
<td>Dave &amp; Busters</td>
</tr>
<tr>
<td>November 20</td>
<td>Luncheon/Operator Competition</td>
<td>Dave &amp; Busters</td>
</tr>
<tr>
<td>December 6</td>
<td>62nd Annual Holiday Dinner Dance</td>
<td>Marconi Automotive Museum</td>
</tr>
</tbody>
</table>

- -

Unless otherwise noted, all articles in this newsletter reflect the views or opinions of the authors and not the official opinion of OCWA, its membership or Board of Directors. All Advertisements contained in the newsletter are subject to the OCWA Advertising Policy. The OCWA Advertising Policy is available on request from the Association.