



OCWA
Orange County Water Association
ESTABLISHED 1957

Water Matters

News for the Orange County Water Community

Third Quarter 2021

Water Treatment Plant in Fullerton Makes History As OC's First Operating PFAS Extraction Plant

The Orange County Water District (OCWD; the District) and the City of Fullerton have begun operation of the Kimberly Well 1A PFAS Treatment Plant, Orange County's first wellhead filtration treatment plant to remove perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) from local well water.

"OCWD cannot be prouder of our amazing staff that designed and deployed this state of the art PFAS treatment system in record time to combat the PFAS chemicals which were released into the environment by third parties," said OCWD President Steve Sheldon. "We worked closely with the city of Fullerton to construct this treatment facility to remove PFOA and PFOS from groundwater while continually meeting all state and federal drinking water standards. I want to commend our professional staff on a job very well done."

The Kimberly Well 1A PFAS Treatment Plant uses an ion exchange treatment system made of highly porous resin that acts like powerful magnets that adsorb and hold onto contaminants. During treatment, contaminants such as PFOA and PFOS are removed.



SINCE 1933

Construction began in November 2020 and the facility treats up to 3,000 gallons of water per minute.

Last year, dozens of wells in Orange County were removed from service after

the state of California lowered the Response Level advisories of PFOA and PFOS. This drove local water suppliers to rely on imported water from Northern California and the Colorado River to meet the needs of their customers.

"Bringing this treatment facility online is very important. It means Fullerton can increase its use of local groundwater, which is less expensive and more reliable than imported water," said OCWD Director and City of Fullerton Mayor Bruce Whitaker.

The Fullerton facility is the first of 25 PFAS treatment facilities being designed and constructed by OCWD in the next two years. OCWD is funding 100% of design and construction costs and 50% of operation and maintenance costs for its water suppliers like Fullerton. The District and 10 Orange County public water agencies filed a lawsuit against the manufacturers of PFAS, seeking to protect ratepayers and ensure that the associated costs, including but not limited to treatment and replacement water, are borne by the companies that developed and manufactured PFAS.



Recent Industry Insight Presentations Added to OCWA Website

The most recent Industry Insight luncheon presentations are now available for download from the OCWA website.

New topics include: "Adding Design-Build Delivery Method to the Tool Belt;" "MWD's Regional Recycled Water Advanced Purification Center;" and "Harnessing Data to Prioritize Pipeline Rehabilitation and Replacement."

Access to the PDFs of these presentations is restricted to members only. Yet another great reason to consider becoming a member if you aren't one already.

To access, visit www.ocwater.org/writeups.

For additional information on OCWD's comprehensive and robust PFAS response, please visit www.ocwd.com/what-we-do/water-quality/pfoapfos.

Our 2021 Corporate Sponsors

Our call for Corporate Sponsors for 2021 met with an overwhelming response.

In less than a day, we had more than double the number of Sponsors we had expected to attract.

With this support, we will build upon last year's success to continue our series of insightful industry webinars.

And as the County begins its pandemic recovery, we expect to renew the events and activities we had to postpone last year. Here are some of the Sponsors we have for 2021. To learn about all our Sponsors, visit the Sponsor page on the OCWA website.



Leighton Consulting

Leighton Consulting, Inc. (Leighton) is an award-winning engineering firm recognized as a 2020 Top Design Firm by Engineering News-Record (ENR). We are headquartered in Irvine, California, and provide geotechnical and environmental engineering, materials testing, and special inspection services to public- and private-sector clients. Leveraging our expertise in earth science and engineering combined with our knowledge of current local, state, and federal building and environmental codes and regulations, Leighton has been providing sound solutions for the planning, design, and construction of infrastructure and communities across southern California for 60 years.

Jeff Hull

jhull@leightongroup.com

Leighton Consulting

Phone: 800-Leighton

www.leightongroup.com



MKN is a water, wastewater and recycled water engineering firm located and focused exclusively in Southern California. Our firm was formed in 2012 and has grown to six offices and over 45 professional engineers, planners, construction managers/inspectors.

Since 2012, MKN has focused on meeting a growing need by public agencies for responsive, technically capable consultants who are committed to a long-term relationship based

on excellence. Our principals have decades of experience in management and leadership roles for some of the highest ranked engineering firms in the world.

MKN practice groups include Treatment, Infrastructure, Program Management, Planning and Hydraulic Modeling, and Construction Management.

Ryan Gallagher, PE

714.213.9758 (cell)

Email: rgallagher@mknassociates.us

MKN Associates

www.mknassociates.us

MUELLER

MWH is a leading global project delivery company with a focus on water and energy. With the ultimate goal of delivering maximum value to clients and their local communities, MWH provides single-source, integrated design, construction, and construction management services, including a full range of project delivery methods.

Incorporating industry-leading pre-construction services and safety practices, MWH's multi-disciplined team of engineering, construction, and construction management professionals delivers a wide range of projects, including new facilities, infrastructure improvement, expansion, and capital construction services. With approximately 2,200 employees worldwide, including 330 engineers, MWH is known for its ability to deliver on large, complex capital improvement programs and projects. We have successfully delivered some of the largest, complex and one-of-a-kind projects for many California Water Agencies.

MWH's Construction Management Services (CMS) practice has been operating continuously in California since 1960. The MWH CMS Group's sole focus is on the water

and wastewater industry, positioning MWH at the forefront of wet infrastructure project delivery. Since 2004, the MWH CMS Group has managed over \$2B in wet infrastructure projects in California alone.

MWH Constructors

www.mwhconstructors.com



RICHARD C. SLADE & ASSOCIATES LLC
CONSULTING GROUNDWATER GEOLOGISTS

Established in 1983 and located in the San Fernando Valley portion of the City of Los Angeles, **Richard Slade & Associates LLC** (RCS) is comprised of a group of experienced groundwater geologists focused on the development, protection, and management of groundwater resources throughout California. Whether it be evaluating the groundwater resource potential of a community or vineyard, siting and designing a new well, rehabilitating an existing well or well field, conducting pumping tests and drawdown interference analysis, or assessing water quality or other down-hole problems in your existing wells, RCS is available to help solve your groundwater supply needs and problems.

Mr. Richard C. Slade has 50+ years of hydrogeologic experience in California, the last 38 of which have been as Principal Groundwater Geologist and President of Richard C. Slade & Associates LLC (RCS), Consulting Groundwater Geologists. With a team comprised by seven full-time professional groundwater geologists, including licensed Professional Geologists and Certified Hydrogeologists in California, RCS is uniquely qualified to help you with your groundwater development needs and water well issues.

www.RCSlade.com

Continued on Page 4



July 21: Industry Insight Webinar

SCWD's Doheny Ocean Desalination Project

Presenter: **Marc Serna**

Chief Engineer, South Coast Water District

A lot has happened with South Coast Water District's Doheny Ocean Desalination Project since the last time Marc Serna updated us on its progress two years ago. At that time the SCWD Board of Directors had just approved the Final Environmental Impact Report for the Dana Point project.



two years to move the Project forward towards full-scale implementation.

Plan now to attend. As one of the largest, and potentially one of the more critical projects ongoing in the County today, this presentation will explore some of the most important issues facing us all.

As we learned then, unlike traditional ocean desalination facilities, the Doheny site is ideally situated to take advantage of advanced slant well technology for intake of ocean water. This protects marine life by drawing water from beneath the ocean floor.

Now, with drought again threatening the State, there's an increased urgency about the Doheny project, especially since South Coast Water District imports 85 to 100 percent of its drinking water. This leaves the District highly vulnerable to supply shortages, whether from drought or — potentially — natural disasters.

The Doheny Ocean Desalination Project will provide a high quality, locally controlled and drought-proof water supply, all while protecting the environment.

This month's Industry Insight webinar will provide an overview of the critical steps that have taken place in the past

About Our Speaker

Marc Serna has over 29 years of experience in the water resources industry including water resource management, engineering design, construction, and design-build delivery. He has been responsible for managing both engineering and operations, along with development and implementation of major Capital Improvement Programs, and large-scale indirect potable reuse, recycled water, potable water, wastewater, and ocean desalination projects.



Mr. Serna has Bachelors and Masters Degrees in Civil Engineering, is a Registered Professional Engineer, and a California Grade 4 Water Treatment Plant Operator.

We are Proud to Recognize Our Corporate Sponsors for the July 2021 Webinar

aa/r/r Atkinson, Andelson
Loya, Ruud & Romo
A Professional Law Corporation

Michael Baker
INTERNATIONAL

PACE
Advanced Water Engineering

Wednesday, July 21, 2021

Online ZOOM Presentation

Webinar Open for Log-In: 12:00

Presentation: 12:30 – 1:00

OCWA Members with Reservation: **FREE**

Non-Members with Reservations: **\$10.00**

Cancellations received AFTER Tuesday, July 20 CANNOT be refunded.

Visit the OCWA website to make reservations:

www.ocwater.org

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

42nd Annual Golf Tourney was a Great Relief

After a year of pandemic which forced our annual golf tournament to be moved to October, it was nice to return to the links June 7 and resume our (near) normal course of enjoyment.

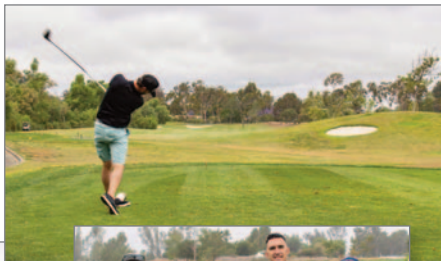
The day began cool and a little drizzly but quickly warmed to become a stellar morning on the links. Held again at Strawberry Farms Golf Course in Irvine, over 100 golfers turned out for a great tournament, a time for golf and renewed camaraderie.

A big part of the day's success was due to the help provided by the many volunteers. We're indebted to **Camilla Howe** and **Kate Pittman** from Michael Baker International, **Asya Valdez** from Leighton Group, and **Chelsea Roy** from PACE Advanced Water Engineering for their tireless assistance to ensure the event's success. Special thanks as well to **Alison Tomko**, of Strawberry Farms Golf Course, for all her assistance in helping the event run so smoothly.

The Association would like to express once again our appreciation for the generous support of all our sponsors, without whom our event would not be as successful – nor as much fun – as it is every year.



To view all the photos of the day's festivities, please visit: www.ocwater.org



ORANGE COUNTY WATER ASSOCIATION

42nd Annual Golf Tournament

SPONSORS

MONDAY, JUNE 7, 2021

STRAWBERRY FARMS GOLF CLUB

<p>AES Water, Inc. Darik Walton</p> <p>American Flow Control Perry Phillip</p> <p>Atkinson, Andelson, Loya, Ruud & Romo Jeff Hoskinson</p> <p>Asplundh Construction Martin Morfin</p> <p>Bingham and Taylor Mark Delancellotti</p> <p>Black and Veatch Derek Kurtti</p> <p>CAB Engineers, Inc. Cory Bersch</p> <p>Civiltec Engineering, Inc. Shem Hawes</p> <p>Cla-Val Company Monte Roberts</p> <p>Clow Valve Company Nolan Foran</p> <p>DN Tanks Matt Ford</p> <p>DUDEK Mike Metts</p>	<p>Ford Meter Box Co. Blake Kidd</p> <p>GCI Construction Terry Gillespie</p> <p>General Pump Michael Bodart</p> <p>Guida Surveying, Inc. Ralph Guida</p> <p>Hazen and Sawyer Dave Jones</p> <p>HDR Steve Friedman</p> <p>HDR Gregorio Estrada</p> <p>JCM Industries/Tripac Bill Foster Sr.</p> <p>Kato Landscaping Randy Kato</p> <p>Leighton Jeff Hull</p> <p>M & H Valve Matt Armstrong</p> <p>Mainline Sales Bruce Parrot</p> <p>MKN Ryan Gallagher</p> <p>Michael Baker International John Nagle</p> <p>MISCO Water Tom Roberson</p>	<p>Mueller Systems Kevin Cornejo</p> <p>MWH Constructors Jeremy McVey</p> <p>Neptune Technology Andy Bohn</p> <p>NV5 Jeff Cooper</p> <p>PACE Advanced Water Engineering Andy Komor</p> <p>Paulus Engineering, Inc. Jason Paulus</p> <p>PSOMAS Mike Swan</p> <p>Richard Slade & Associates Richard Slade</p> <p>Stantec Jim Cathcart</p> <p>TE Roberts, Inc. Tim Roberts</p> <p>Tetra Tech Laurence Esguerra</p> <p>TRIPAC Bill Foster, Sr.</p> <p>TRIPAC Bill Foster, Sr.</p> <p>Trench Shoring Jacqueline Keller</p> <p>Trench Shoring Al Scappaticci</p> <p>United Water Works Shaw Turnage</p>
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It took me 17 years to get 3,000 hits in baseball. I did it in one afternoon on the golf course.

~ Hank Aaron

2021 OPERATOR EXPO

Certified CE Training • Product Exhibitions • Team Competitions

Thursday, September 23, 2021 • 7:30 a.m. to 1:30 p.m.

– SITE TO BE DETERMINED –

Training Sessions & Vendors Announced Soon



CEU
★
Earn 2 Contact Hours of Education Credits for Sessions

Make Plans to Attend! Register Today!



PIPE TAPPING COMPETITION

- ★ Vendor Exhibits All Day
- ★ Vendor Set-Up 7:00 am
- ★ Operator Training ‘Check In’ 7:30 am to 8 am
- ★ **Operator Training (2 Sessions)** 8 am to 10 am
- ★ Pipe Tapping Competition 10 am to Noon
- ★ Horseshoe Competition 10 am to Noon
- ★ **CATERED BBQ LUNCH** Noon to 1 pm
- ★ Opportunity Drawing 1 pm

This is the 13th year of the pipe tapping contest. It will follow the same rules as the AWWA competition. Each team will be given two chances at the pipe tap. All material – except the tapping machine – is provided by OCWA. Trophies are awarded to the first and second place teams. Agencies may have multiple teams. Contact Boyd Schultz at (949) 306-0714 if your agency wishes to compete. To participate, teams must be registered to attend the Operator Expo. To register, contact Bobby Young at byoung@lbcwd.org.

Tickets: \$45⁰⁰ each Includes CATERED Lunch

Our popular HORSESHOE COMPETITION returns for 2021. We have space for multiple teams – especially women!



HORSESHOE COMPETITION

Door Prizes needed; please bring to event.
Sponsorship Opportunities Still Available:
Sponsor: \$200.00 ★ Exhibitor: \$300.00

Sponsors receive recognition at the event, have their name on a banner, and are recognized in the OCWA newsletter and on the website.

Reservations can be made on the OCWA website:
www.ocwater.org

For group registrations, or to enter a team in either Competition, contact: Bobby Young at byoung@lbcwd.org

There’s still space available for Horseshoe competitors – **especially womens teams!** There is a limit of two teams per Agency with two contestants per team. It is a single-elimination competition. Complete contest rules are available on www.OCWater.org. To participate, teams must be registered to attend the Operator Expo. To register, write Bobby Young at byoung@lbcwd.org.

Santa Ana's Water Recognized as 'Some of the Best Tasting, Highest Quality' Tap Water in the Nation

The City of Santa Ana has won the coveted honor of producing some of the best-tasting and highest-quality tap water in the nation, second only to the Metropolitan Water District of Southern California. Santa Ana received this award in the "Best Municipal Water" category at the 31st Berkeley Springs International Water Tasting. The annual competition is the largest and most prestigious in the world, featuring water sourced from 14 countries and 19 states.

"Winning one of the nation's top awards in our category is phenomenal. Winning the award six times over the past 10 years attests to the high standards we set for our tap water and the dedication of our certified specialists who are committed to serving our customers," said Robert Hernandez, Water Services Quality Supervisor for the City of Santa Ana.

Over the past 10 years of participating in the competition, Santa Ana has won six awards including the gold medal in 2018 and 2014 as well as the silver and bronze medals in 2012 and 2011.

This long history of awards reflects Santa Ana's commitment to ensuring a healthy, reliable and safe drinking water supply for residents that exceeds the drinking water health standards requirement by both state and federal agencies.

These standards are outlined in the 2020 Water Quality

Consumer Confidence Report, which will be available on July 1 by visiting www.santaanaccr.org.

Santa Ana's tap water comes primarily from the vast groundwater basin under northern and central Orange County, one of the largest in Southern California providing most of the water needs for 2.5 million people in Orange County. The City of Santa Ana works closely with the Orange County Water District (OCWD), which manages the groundwater basin, to ensure water is not only high in quality, but also a reliable and plentiful source.



Berkeley Springs International Water Tasting

More than 100 people and water officials from the U.S. and abroad attended the water tasting festival in Berkeley Springs, West Virginia. Nine media judges spent hours tasting water sourced in 19 states, three Canadian provinces and 14 foreign countries. Similar to a wine tasting, judges rated the water for each attribute including appearance (should be clear), aroma (should be none), taste (should taste clean), mouth feel (should feel light), and aftertaste (should leave people thirsty for more).

For more information about the Berkeley Springs International Water Tasting, visit www.BerkeleySprings.com.

Mesa Water Receives Grant to Enhance Groundwater Production

Mesa Water District has received a \$1.6 million grant to help improve water supply reliability in the region.

As part of a California Department of Water Resources (DWR) \$55 million multi-year grant that was awarded to five regional water agencies in the Santa Ana Watershed Project Authority, Mesa Water is eligible to receive funding for the construction of Croddy Well 14, one of two new wells that will increase local groundwater production capacity.

Construction for Croddy Well 14, which can produce approximately 4,000 gallons per minute, is scheduled for completion in winter 2022. The funds will be available to Mesa Water once construction is completed and terms of the grant agreement have been met.



"Mesa Water ratepayers will benefit for generations from the DWR grant, these funds go directly to expanding our groundwater supplies," said Marice H. DePasquale, Mesa Water Board President. "Increased production from Mesa Water's new wells help ensure local and reliable water for decades to come."

The DWR \$55 million grant was split between Orange County Water District (OCWD) and four other agencies. OCWD received \$8 million of the DWR grant and selected Mesa Water along with four other water agencies to receive \$1.6 million each to

support the construction of new groundwater production wells.

The grant's funds are provided by Proposition 84 (The Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006).



New Look!



New Appeal!

Orange County Water Association

63rd Annual Holiday Party

Friday, December 3, 2021

6:00 Cocktails * 7:00 Dinner * Fun & Games 'til 11:00

Sponsorship Opportunities Available!

Diamond Level ~ \$2,500 or more

Includes: 1 Table for 10, Prominent Logo Displays, 3 Sponsor-Provided Slides Rolling During Event, and Special Event Branding!

Gold Level ~ \$1,500 or more

Includes: 1 Table for 10, Prominent Logo Displays, and a Sponsor Provided Slide Rolling During Event!

Silver Level ~ \$500 or more

Part of Group Logo Display!



Exciting New Venue!

Further details coming soon about:

7°
[seven-degrees][™]
Laguna Beach

For Sponsorship Opportunities, contact Bobby Young at byoung@lbcwd.org

To Register, or for Additional Information, visit www.ocwater.org

To register by mail, make checks payable to:

OCWA * P.O. Box 51404 * Irvine, California 92619-1404

Thousands of Dollars in Raffle Prizes!

...and that's a lot of Holiday Cheer!

Recognizing Our 2021 Sponsors

Continued from Page 2



Clean drinking water and effective management of wastewater and stormwater is essential to life, public health, safety and the environment. For 54 years, Tetra Tech has helped provide safe, abundant water supplies from treatment to distribution; planning and implementation of wastewater collection and treatment systems and management of stormwater that meet these objectives in a way that maximizes benefit for investment and incorporates a combination of state-of-the-art techniques and demonstrated best practices. Today, Tetra Tech is a full-service global engineering firm with more than 20,000 engineers, technology specialists, scientists, and technical support personnel in 450 offices worldwide.

Leading with Science[®] drives our core principles and passion to deliver safe accessible water resources. Our ranking as the number 1 engineering firm in Water for 17 years straight by *Engineering News-Record* (ENR) represents this. We will provide services with the innovation and capabilities our national rankings represent and will deliver this program with the responsiveness and attentiveness one should expect from your local engineering company.

Steve Tedesco
 Senior Vice President,
 Water, Environment, and Infrastructure
steve.tedesco@tetrattech.com

Tetra Tech
 Phone: (949) 809-5000
www.tetrattech.com

POSITIONS AVAILABLE

OCWA Members and their organization can post unlimited job listings to the Association website for FREE. Listings are promoted with periodic e-blasts sent to our 1,500+ contacts, representing over 45 agencies and more than 120 companies county-wide.

This is saturation coverage throughout the County. What else would you expect from the only Orange County Association dedicated to the local water community?

If you would like to post a job opening here, and are a current member, please send a PDF detailing the position to the OCWA webmaster.

There are a number of new positions listed on the OCWA website. Visit the website to access the information:

NEW OPPORTUNITIES:

- IRWD - Engineer (Water Resources) 08-13**
- Riverside PUD - Construction Inspector II (08-01)**
- IRWD - Facilities-Fleet Manager (07-19)**
- MBI - Senior Water | Wastewater Project Manager (07-13)**
- Wood - Senior Civil Engineer**
- IRWD - Electrical Technician**

ONGOING OPPORTUNITIES:

- OCWD - Natural Resources Interns**
- Cla-Val - Applications Engineer**
- Cla-Val - Area Sales Manager**
- Cla-Val - Field Service Technician**
- IRWD - Operator II - Recycling Operations**
- IRWD - Operator III - Recycling Operations**
- Corrpro (Aegion) - Senior Corrosion Engineer**
- Corrpro (Aegion) - Senior Corrosion Technician**
- GENTERRA - Sr. Civil or Geotechnical Engineer**
- GENTERRA - Geotechnical Engineers**

For further information on these and other currently open positions, please visit the "Opportunities" section of the OCWA website:
www.ocwater.org/Opportunities

Members and their agency or company can post Opportunities to the OCWA website, free of charge, as often as they'd like. If you wish to post a job opening, and are a current member, please send a PDF of your listing to the OCWA webmaster. We'll post the listing to the website and, if space permits, advertise it in the member's-only monthly newsletter as well.

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OCWA's Board of Directors meets on the third Wednesday of each month, unless notified otherwise.

At present, meetings are being held virtually. The next meeting is scheduled for:

July 21, 2021
11:00 am to Noon



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