



# ENGINEERING AND OPERATIONS COMMITTEE MEETING

Thursday, June 10, 2021  
4:30 p.m.

1. Call meeting to order
2. Public communications to the Committee
3. Additional items arising after posting of agenda
4. Engineering
  - A. RZ System
    - i. PFAS Treatment – Update
    - ii. VanderWerff Well – Update
    - iii. General PFAS – Information Attachment A
    - iv. Vista Panorama Reservoir – No Update
  - B. WZ System
    - i. 6MG Reservoir Geotechnical Evaluation – Update
    - ii. 6MG Reservoir Replacement – No Update
    - iii. OC-70 Meter Issue – Update
    - iv. Walnut Turnout/Tustin – Update
  - C. Sewer System
    - i. ID1 Capacity, Reliability, and Augmentation Project #1 – Update
    - ii. Sewer Development Permits Attachment B
  - D. Joint
    - i. Site Planning/Administration Building – No Update
    - ii. SCADA Replacement – Update
    - iii. Urban Water Management Plan – Update
5. Operations
  - A. RZ System
    - i. System Status Report
    - ii. East & West Well – Pumping Level Information Handout
    - iii. RZ Water Use – Monthly Report– Information Handout
    - iv. Consumer Confidence Report Handout
  - B. WZ System
    - i. System Status Report
    - ii. WZ Water Use – Monthly Report Handout
  - C. Sewer System
    - i. System Rehabilitation and Replacement – Update
    - ii. Spill Report – No sewer spills in May.
    - iii. Sewer System Status
6. Adjournment

**NOTE:** Pursuant to California Governor’s Executive Order No. N-29-20, executed March 17, 2020, members of the Board of Directors may elect to attend this Regular Meeting by telephone or video conference due to concerns relative to COVID-19 Coronavirus and avoidance of public gatherings. **THERE WILL BE NO PUBLIC LOCATION TO ATTEND THIS MEETING IN PERSON.** The public may attend either telephonically by calling into, or by videoconference by logging into, the meeting at:

**To Access the Meeting by Computer/Device:**

<https://us02web.zoom.us/j/87626330980?pwd=ZUViY3pHMXd0SGd4aXQ4d29FR095QT09>  
or short link <https://bit.ly/3ggpBBZ>

**To Access the meeting by Phone:**

Dial: (669) 900-6833

Meeting ID: 876 2633 0980    Passcode: 657594

Members of the public may (i) e-mail comments to Sylvia Prado at [sprado@eocwd.com](mailto:sprado@eocwd.com) up to 30 minutes before the Board meeting; (ii) submit a speaker request via the on-line chat feature at the beginning of the meeting prior to Item 3; or (iii) verbally indicate their desire to comment during the time designated on the agenda, and the comments shall either be heard by or read to the Board, as applicable. Members of the public wishing to attend the meeting that require other reasonable modifications or accommodation to facilitate such attendance should contact Ms. Prado at (714) 538-5815 or the e-mail provided above at least twenty-four (24) hours before the meeting to make such request.

Availability of agenda materials: Agenda exhibits and other writings that are disclosable public records distributed to all or a majority of the members of the East Orange County Water District Operations & Engineering Committee in connection with a matter subject to discussion or consideration at an open meeting of the Operations & Engineering Committee are available for public inspection in the District’s office, 185 McPherson Road, Orange, California (“District Office”). If such writings are distributed to members of the Committee less than 72 hours prior to the meeting, they will be available via phone or email request to Ms. Sylvia Prado at (714) 538-5815 or [sprado@eocwd.com](mailto:sprado@eocwd.com).

# MEMO

**TO: ENGINEERING AND OPERATIONS COMMITTEE**  
**FROM: GENERAL MANAGER**  
**SUBJECT: PFAS – STATUS REPORT**  
**DATE: JUNE 10, 2021**

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## BACKGROUND

Staff has not received any customer inquiries or complaints regarding PFAS in the past month.

The following PFAS related events and information have been received during the past month:

- To help deliver on the U.S. Environmental Protection Agency's (EPA) mission to protect human health and the environment, the EPA announced that EPA Administrator Michael Regan has issued a memo establishing an “EPA Council on PFAS”. The council will be charged with building on the agency’s ongoing work to better understand and reduce potential risks from PFAS.
- OCWD Meetings – Information disseminated at the Special PFAS and Producers meetings included:
  - OCWD PFAS Pilot Program – OCWD is discontinuing Phase 1 and initiating Phase II of the pilot program. All of the GAC skids have been decommissioned. Five new alternative sorbents and one IX sorbent from Phase 1 are being tested in Phase II.
  - Public Outreach – The April OCWD PFAS Update, prepared on a monthly basis, is attached.
  - PFAS monitoring orders – The District continues quarterly monitoring for PFOA and PFOS in accordance with the current orders.
  - Proposed Legislation:
    - AB 652 - Product safety: juvenile products: chemicals: perfluoroalkyl and polyfluoroalkyl substances. This bill would, on and after July 1, 2023, prohibit a person, including a manufacturer, from selling or distributing in commerce in this state any new, not previously owned, juvenile product, as defined, that contains intentionally added perfluoroalkyl and polyfluoroalkyl substances. The Bill is in Senate Committee.
    - AB 1200 - Plant-based food packaging: cookware: hazardous chemicals. This bill would prohibit PFAS chemicals in food packaging. The Bill is in Senate Committee.
- PFAS Temporary/Permanent Treatment System – CDM Smith expects to submit the final draft Design early-June.
- Wells – The wells remain off, however, flushing and water quality testing is conducted weekly so that in the event of an emergency they can be turned back on immediately.

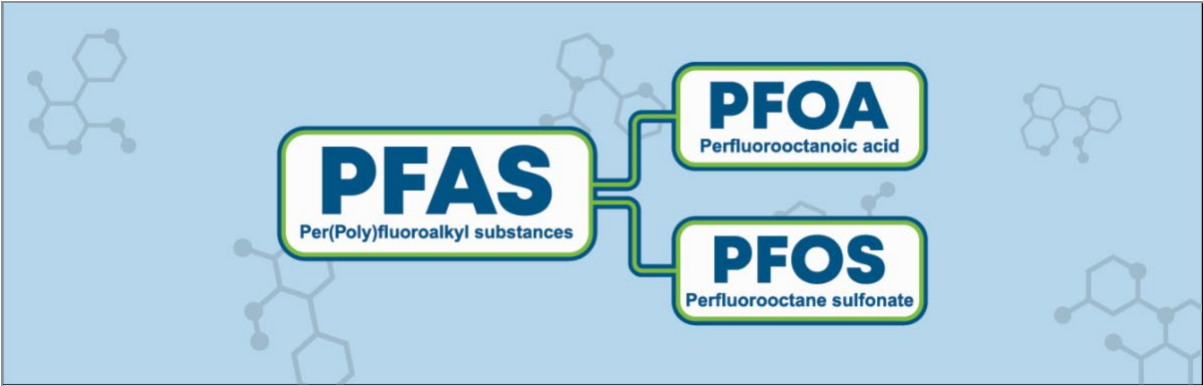
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**FINANCIAL IMPACT**

No direct financial impact is associated with this report.

**RECOMMENDATION**

The Committee receive and file this report.



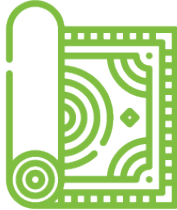
## OCWD Update May 2021

The Orange County Water District (OCWD; the District) strives to deliver clean, reliable drinking water to 2.5 million customers every day. OCWD and the local water suppliers in its service area are committed to operating in compliance with all state and federal guidelines and regulatory requirements.

Perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) are chemicals that are prevalent in the environment and were once commonly used in many consumer products.

PFAS have been detected in the Orange County Groundwater Basin. OCWD provides regular PFAS updates to community stakeholders to inform them of the proactive measures that the District and local water suppliers have taken to address PFAS in the Basin.

For more background information, please see the materials below:



[Fact Sheet](#)

[FAQ](#)

## REGULATORY HAPPENINGS



- On June 9 from 10 a.m.-11 a.m. PST, the Association of Safe Drinking Water Administrators (ASDWA) will hold a webinar with the Centers for Disease Control's (CDC) National Center for Environmental Health/Agency for Toxic Substances and Disease Registry on their PFAS activities. The webinar will cover PFAS investigations and resources, cross-agency efforts with EPA and other federal agencies, work with states, and more. The webinar will be helpful for state drinking water programs to understand PFAS exposure and help with the drinking water decision-making process to assess and address PFAS. Register [here](#).
- The U.S. Environmental Protection Agency (EPA or Agency) [announced](#) that EPA Administrator Michael Regan has issued a [memo establishing an "EPA Council on PFAS"](#). The council will be charged with building on the agency's ongoing work to better understand and reduce potential risks from PFAS. Regan has asked Radhika Fox (Principal Deputy Assistant Administrator for the Office of Water) and Deb Szaro (EPA's New England Acting Regional Administrator) to convene and lead the EPA Council on PFAS, which will be comprised of senior EPA career officials from across the agency. Administrator Regan is directing the Council to:
  - Develop "PFAS 2021-2025 – Safeguarding America's Waters, Air and Land," a multi-year strategy to deliver critical public health protections to the American public. To develop the strategy, the ECP will review all ongoing actions, propose any necessary modifications, and identify new strategies and priorities. The ECP shall make initial recommendations within 100 days of its establishment.
  - Continue close interagency coordination on regional specific and cross-media

issues to assist states, Tribes, and local communities faced with significant and complex PFAS challenges.

- Work with all national program offices and regions to maximize the impact of EPA's funding and financing programs and leverage federal and state funds to support cleanup of PFAS pollution, particularly in underserved communities.
  - Expand engagement opportunities with federal, state, and tribal partners to ensure consistent communications, exchange information, and identify collaborative solutions.
- There remains no new update on pending state draft Public Health Goals (PHGs) for PFOA and PFOS. The state originally planned on issuing draft PHGs in early 2020. Once issued, the draft PHGs will go through a public review process including two public comment periods, one public workshop and an external scientific peer review. Once finalized, the PHGs form the foundation for enforceable Maximum Contaminant Levels (MCLs) which are expected in late 2023.
  - The National Academies of Sciences, Engineering, and Medicine is conducting a study, [Guidance on PFAS Testing and Health Outcomes](#), to provide advice for clinicians about PFAS testing and how test results should inform clinical care. Additionally, the study will explore the health outcomes associated with PFAS exposure and develop principles clinicians can use to advise patients on exposure reduction. The study's committee has hosted two out of three virtual town halls, each associated with a specific region, to hear community perspectives on PFAS contamination issues. The final town hall is for the Western Region:
    - **Western (Regions 9-10): May 25, 2021 from 1:00-5:00 PM (EST)**
    - Registration is [posted on the website:](https://www.nationalacademies.org/our-) <https://www.nationalacademies.org/our->

## **LOCAL ACTIVITIES**

- OCWD has begun monitoring 34 additional wells in compliance with the third PFAS monitoring order that was formally issued by the state Division of Drinking Water (DDW) in March. The original orders were issued in September 2020. The orders require year long quarterly testing which began in the fourth quarter of 2020.
- OCWD and its local water suppliers continue making significant headway on new groundwater treatment facilities with the goal of getting wells back online as soon as possible.
- Currently 11 impacted local water suppliers are moving forward with design or construction of facilities. Local water suppliers building facilities include the cities of Anaheim, Fullerton, Garden Grove, Orange, Santa Ana, and Tustin; Serrano Water District; East Orange County Water District; Golden State Water Company, Irvine Ranch Water District and Yorba Linda Water District.
- Construction is underway for 4 water suppliers including the City of Fullerton whose Kim 1A facility is expected to be operational in June, Yorba Linda Water District, Serrano Water District whose facility should be online in November, and the City of Garden Grove who is building facilities for 5 wells at 4 locations . The City of Orange has received bids and construction is expected to start this summer. OCWD is in design phase for 5 additional supplier facilities including East Orange County Water District, City of Fullerton, Irvine Ranch Water District, City of Santa Ana and City of Tustin. The City of Anaheim awarded a design build contract in April for 8 wells at 4 locations. Golden State Water Company is currently developing the scope for its facility and expected to move to design soon.



- OCWD is transitioning its piloting program from Phase 1 to Phase 2. Phase 1 granulated activated carbon (GAC) skids were decommissioned and no new GAC products will be tested. A total of 6 Phase 1 ion exchange and alternative adsorbents are being tested in Phase 2. This includes 5 new products and one ion exchange from Phase I, which was the best performer. The Phase I pilot report is being incorporated into a larger treatment study report that should be finalized in the near future.
- The [University California, Irvine \(UCI\) led PFAS study](#) is expected to start participant recruitment for the study on or around July 1. OCWD and some water retail agencies participate on the Water Quality Advisory Panel for the study. The Panel meets monthly and at the May meeting UCI is expected to present draft versions of communication materials that will be used for the study. OCWD will continue to provide input and recommendations to coordinate clear and consistent messaging.

## MEDIA

PFOA and PFOS are not exclusive to Orange County or even California. States across the country are in the midst of tackling PFAS in consumer products, groundwater supplies and other forms of contact. OCWD continues to monitor what is happening around the country on this issue.

[EPA Adds New PFAS to its Drinking Water Treatability Database](#)

[People exposed to PFAS could sue for medical monitoring costs, under US legislation](#)

[PFAS Food Package Ban, Cookware Rule Moves in California \(1\)](#)

[Proposition 65: Legal and Technical Implications of Listing PFOA as a Carcinogen](#)

[White House, Congress Accelerate Push To Fix Widespread PFAS Pollution](#)

[Improved desalination process also removes toxic metals to produce clean water](#)

[Bill to ban manufacture and use of PFAS in NC filed in General Assembly](#)

[The Microplastics And PFAS Connection](#)

[Overnight Energy: Michigan reps reintroduce measure for national 'forever chemicals' standard](#)

[PFAS: Expected Litigation Trends](#)

[Orange County Water District works to clean polluted groundwater from decades of manufacturing](#)



Orange County Water District | 18700 Ward Street, Fountain Valley, CA 92708

**May 2021 - Sewer Connection & Wholesale Connection Permits**

Connection Address	Type of Development	Permit No	APN	Date Issued	Regional CFCC (OCSD) Fees	Local Capacity Chage Fees	Inspection Fees	Total Sewer	Wholesale Connection Meter Fees	Water District	Total
12012 Red Hill Ave, Santa Ana, CA 92705	ADU	21-13	502-291-95	5/21/2021	\$ -	\$ 391.58	\$ 800.00	\$ 1,191.58	\$ 2,221.00	Tustin	\$ 3,412.58
13861 Brenan Way, Santa Ana, CA 92705	SFR	21-36	395-475-01	5/3/2021	\$ 945.00	\$ -	\$ -	\$ 945.00	\$ -	Tustin	\$ 945.00
18022 Oak Ridge Dr. Santa Ana, CA 92705	SFR	21-37	395-333-02	5/5/2021	\$ -	\$ -	\$ -	\$ -	\$ -	Tustin	\$ -
190 Centnnial Way, Tustin, CA 92780	MFR	21-38	401-592-01	5/24/2021	\$ -	\$ -	\$ -	\$ -	\$ -	Tustin	\$ -
1951 Bent Twig Lane, Tustin, CA 92780	SFR- BDRM Add.	21-39	103-373-05	5/11/2021	\$ 945.00	\$ -	\$ -	\$ 945.00	\$ -	Tustin	\$ 945.00
11152 Hunting Horn Lane, Santa Ana, CA 92705	SFR- BDRM Add.	21-40	503-053-04	5/13/2021	\$ 994.00	\$ -	\$ -	\$ 994.00	\$ -	GSWC	\$ 994.00
<b>Totals</b>					<b>\$ 2,884.00</b>	<b>\$ 391.58</b>	<b>\$ 800.00</b>	<b>\$ 4,075.58</b>	<b>\$ 2,221.00</b>		<b>\$ 6,296.58</b>

**May 2021 - In the Pipeline**

Connection Address	Type of Development	Permit No	APN	Water District	Permit Status
9922 Newport Blvd, Santa Ana, 92705	New Construction - 16 SFRs		VTM No. 18062	GSWC	Pending customer permit payment
9801 Brier Lane, Santa Ana, 92705	New Construction - 5 SFRs		503-321-01, 503-321-02	GSWC	Pending customer permit payment
13011-13051 Newport Ave, Tustin, 92780	Commercial (Remediation)	19-69	401-221-25	Tustin	Pending Permit Payment
1472 Kenneth Dr. Tustin, 92780	ADU	20-47	105-341-23	Tustin	Pending confirmation from customer
10368 Broadview Pl. Santa Ana, CA 92705	SFR	21-15	503-551-15	GSWC	Pending Easement