

**AGENDA  
REGULAR MEETING  
GROUNDWATER REPLENISHMENT SYSTEM STEERING COMMITTEE  
(A Committee of Orange County Water District  
and Orange County Sanitation District Directors\*)  
OCWD Boardroom 18700 Ward Street, Fountain Valley  
Monday, July 13, 2020, 5:00 p.m.**

\* Orange County Water District Notice: The GWRS Steering Committee (SC) meeting is being noticed as a joint meeting with the Orange County Water District (OCWD) Board of Directors and Orange County Sanitation District (OCSD) Board of Directors for the purpose of strict compliance with the Brown Act and it provides an opportunity for all Directors to hear presentations and participate in discussions. The SC has been delegated limited authority by the OCWD and OCSD Boards of Directors. Agenda items requiring Board approval will be placed on future OCWD and/or OCSD Board meeting Agendas. OCWD Directors receive no additional compensation or stipend as a result of simultaneously convening this meeting. Board approval will be placed on future OCWD and/or OCSD Board meeting Agendas. OCWD Directors receive no additional compensation or stipend as a result of simultaneously convening this meeting.

**Due to the spread of COVID-19 and as authorized by the Governor's Executive Order, OCWD will hold its July 13 GWRS Steering Committee meeting by Zoom Webinar and will be available by either computer or telephone audio as follows:**

**Computer Audio: You can join the Zoom Webinar by clicking on the following link:**  
<https://ocwd.zoom.us/j/96222802924>

**Meeting ID: 962 2280 2924**

**Telephone Audio: (669) 900 9128**

**ROLL CALL**

**VISITOR PARTICIPATION**

Time has been reserved at this point in the agenda for persons wishing to comment for up to three minutes to the Board of Directors on any item that is not listed on the agenda, but within the subject matter jurisdiction of the District. By law, the Board of Directors is prohibited from taking action on such public comments. As appropriate, matters raised in these public comments will be referred to District staff or placed on the agenda of an upcoming Board meeting.

At this time, members of the public may also offer public comment for up to three minutes on any item on the Consent Calendar. While members of the public may not remove an item from the Consent Calendar for separate discussion, a Director may do so at the request of a member of the public.

**CONSENT CALENDAR (ITEM NO. 1)**

All matters on the Consent Calendar are to be approved by one motion, without separate discussion on these items, unless a Board member or District staff request that specific items be removed from the Consent Calendar for separate consideration.

**1. MINUTES OF PREVIOUS MEETING**

**RECOMMENDATION:** Approve Minutes of the January 13, 2020 GWRS Steering Committee meeting as presented

**END OF CONSENT CALENDAR**

## **INFORMATIONAL ITEMS**

2. GWRS OPERATIONS UPDATE
3. UPDATE ON GWRS FINAL EXPANSION PROJECT
4. GWRS FIRST & SECOND QUARTER OUTREACH REPORT (JANUARY – JUNE 2020)

## **DIRECTORS' ANNOUNCEMENTS/REPORTS**

### **GENERAL MANAGERS' REPORT**

- Next GWRS Steering Committee Meeting – October 12, 2020

### **DETERMINATION OF ITEMS (IF ANY) TO BE AGENDIZED FOR FUTURE OCWD BOARD MEETING AND/OR OCSD BOARD MEETING**

## **ADJOURNMENT**

## **2020 GWRs Steering Committee Members**

### **OCWD Committee Members**

Roger Yoh  
Cathy Green  
Vicente Sarmiento

### **OCWD Alternates**

Tri Ta  
Dina Nguyen  
Steve Sheldon

### **OCSD Committee Members**

David Shawver  
James Ferryman  
Tim Shaw

### **OCSD Alternates**

Jesus Silva  
Phil Hawkins  
Erik Peterson

In accordance with the requirements of California Government Code Section 54954.2, this agenda has been posted for viewing at the guard shack entrance and in the main lobby of the Orange County Water District, 18700 Ward Street, Fountain Valley, CA not less than 72 hours prior to the meeting date and time above. All written materials relating to each agenda item are available for public inspection in the office of the District Secretary. Backup material for the Agenda is available at the District offices for public review and can be viewed online at the District's website: [www.ocwd.com](http://www.ocwd.com).

Pursuant to the Americans with Disabilities Act, persons with a disability who require a disability-related modification or accommodation in order to participate in a meeting, including auxiliary aids or services, may request such modification or accommodation from the District Secretary at (714) 378-3233, by email at [jdurant@ocwd.com](mailto:jdurant@ocwd.com) by fax at (714) 378-3373. Notification 24 hours prior to the meeting will enable District staff to make reasonable arrangements to assure accessibility to the meeting.

As a general rule, agenda reports or other written documentation has been prepared or organized with respect to each item of business listed on the agenda, and can be reviewed at [www.ocwd.com](http://www.ocwd.com). Copies of these materials and other disclosable public records distributed to all or a majority of the members of the Board of Directors in connection with an open session agenda item are also on file with and available for inspection at the Office of the District Secretary, 18700 Ward Street, Fountain Valley, California, during regular business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday. If such writings are distributed to members of the Board of Directors on the day of a Board meeting, the writings will be available at the entrance to the Board of Directors meeting room at the Orange County Water District office.



**MINUTES OF THE MEETING  
GROUNDWATER REPLENISHMENT SYSTEM STEERING COMMITTEE  
Monday, January 13, 2020**

OCSD Director Shawver called the Groundwater Replenishment System Steering Committee meeting to order in the Boardroom at the District office. Following the Pledge of Allegiance to the flag, the Secretary called the roll and reported a quorum.

**Committee Members**

David Shawver  
Roger Yoh  
James Ferryman  
Cathy Green  
Tim Shaw  
Vicente Sarmiento

**Alternates**

Jesus Silva  
Phil Hawkins (absent)  
Erik Peterson  
Tri Ta  
Dina Nguyen (absent)  
Steve Sheldon (absent)

OCWD Directors Bilodeau, Brandman and Rowe were in attendance.

<b>OCWD Staff</b>	<b>OCSD Staff</b>
Mike Markus, Mehul Patel	Jim Herberg, Daisy Covarrubias
Christina Fuller, Assistant District Secretary	

• **Annual Reorganization of GWRS Steering Committee Officers**

GWRS Steering Committee member David Shawver stated the Steering Committee reorganizes on an annual basis. It was a consensus of the Committee members present to approve the following nominations:

- 2020 GWRS Steering Committee Chair – OCWD Director Roger Yoh
- 2020 GWRS Steering Committee Vice Chair – OCSD Director David Shawver

**CONSENT CALENDAR**

The Consent Calendar was approved upon motion by Director Green, seconded by Director Shaw and carried [6-0] as follows.

*Yes – Shawver, Yoh, Green, Shaw, Sarmiento, Silva*

1. **Minutes of Previous Meeting**

**The minutes of the GWRS Steering Committee meeting held October 14 , 2019 are approved as presented.**

**INFORMATIONAL ITEMS**

2. **GWRS Operations Update**

Executive Director of Operations/GWRS Mehul Patel reported that the average daily production for the quarter, October through December, was 92 mgd. He advised the average production was lower than normal due to OCSD collection system capital improvement project P2-72B that limited flow to the GWRS. He reported that this project will eventually improve flows to GWRS by up to 8 mgd when completed in the last quarter of 2020. Mr. Patel reported

that as of December 31, 2019, the GWRS Fiscal Year 2019-2020 production total is 51,631 af which is 294 af below the target production running average of 51,925 af for the 2019-2020 fiscal year.

3. Update on GWRS Final Expansion

Mr. Patel stated that OCWD awarded the Microfiltration (MF) system supplier contract to Evoqua at the December 18 Board of Directors meeting. He reported OCWD realized substantial cost savings on the MF modules to be provided as part of the project. He advised that these cost savings will be applied to the GWRSFE Project Budget.

4. Quarterly Outreach Report [October– December 2019]

Principal Communications Specialist Gina Ayala reported that there were approximately 46 tours during the fourth quarter of 2019.

**ADJOURNMENT**

There being no further business to come before the Committee, the meeting was adjourned at 5:30 p.m.

---

OCWD Director Roger Yoh, Chair



## AGENDA ITEM SUBMITTAL

**Meeting Date:** July 13, 2020

**To:** GWRS Steering Committee

**From:** Mike Markus/Jim Herberg

**Staff Contact:** M. Patel

**Budgeted:** N/A

**Budgeted Amount:** N/A

**Cost Estimate:** N/A

**Funding Source:** N/A

**Program/Line Item No.:** N/A

**General Counsel Approval:** N/A

**Project Report Approved:** N/A

**CEQA Compliance:** N/A

**Subject: GWRS OPERATIONS UPDATE**

---

### SUMMARY

Operation of the Groundwater Replenishment System (GWRS) commenced on January 10, 2008. The GWRS operations update will be discussed at the Committee.

### RECOMMENDATION

Informational.

### DISCUSSION/ANALYSIS

Since startup in 2008 GWRS continues to produce water that meets regulatory requirements. The quality of the secondary effluent received from the Orange County Sanitation District (OCSD) continues to meet all water quality requirements while operating in the nitrified/denitrified (NDN) mode. The GWRS Microfiltration (MF) and Reverse Osmosis (RO) treatment processes have benefited in overall operational improvements as a result of OCSD's efforts to successfully maintain stable operation in the NDN mode.

The average daily average production for the quarter April through June 2020 was 73 mgd. The average production was lower than normal due to a 14-day outage of the GWRS Advanced Water Purification Facility for construction work related to the GWRS Final Expansion project which occurred from April 27 to May 11, 2020. This work including an update of the Process Control System software that runs the GWRS facility as well as modifications to an existing electrical switchgear system. In addition, during the outage OCWD staff drained and examined the GWRS distribution pipeline. As you may recall an approximately four mile stretch of the pipeline had an epoxy lining installed back in 2018 to repair signs of corrosion to the existing mortar lining. An inspection was done to determine the condition of the new lining after 18 months in service.

The GWRS effluent production for the months of April through June 2020 is shown in the following tables:



**GWRS EFFLUENT PRODUCTION  
(April - June 2020)**

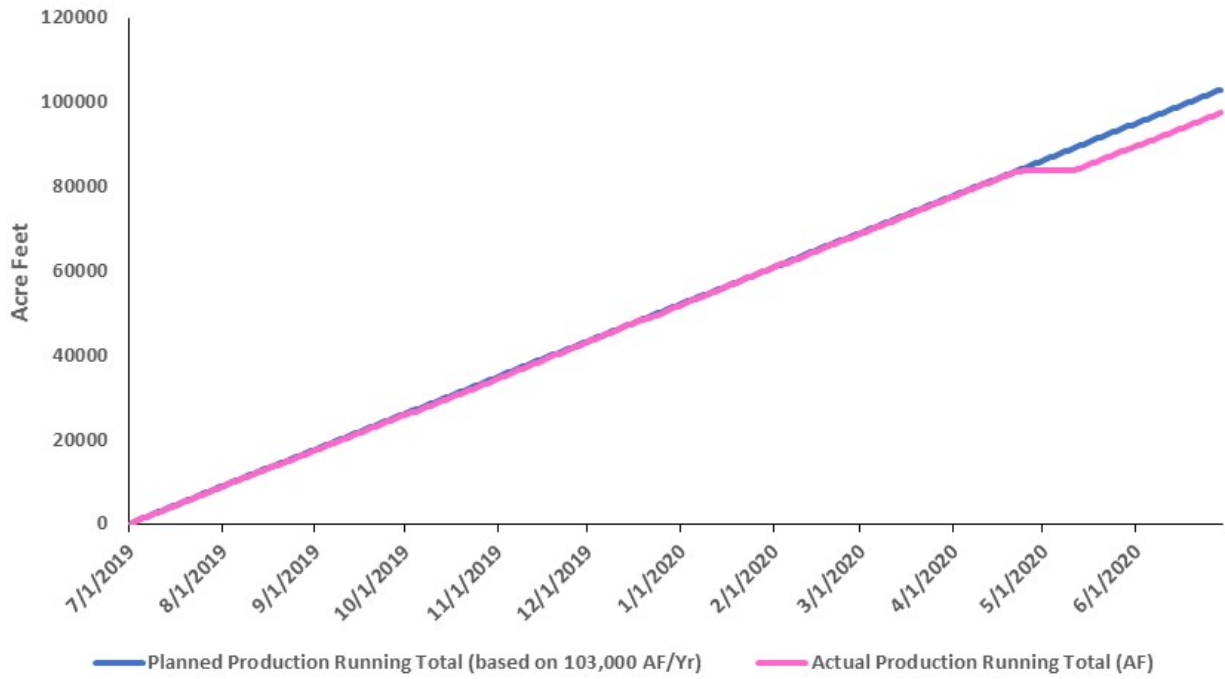
	<b>April 2020 (million gallons)</b>	<b>April 2020 (acre feet)</b>
Mira Loma, Kraemer/Miller Basin Recharge, Mid Basin Injection, Artic, and Canyon Power	1,759	5,401
Seawater Intrusion Barrier	355	1,091
<b>Total</b>	<b>2,114</b>	<b>6,492</b>

	<b>May 2020 (million gallons)</b>	<b>May 2020 (acre feet)</b>
Mira Loma, Kraemer/Miller Basin, Recharge, Mid Basin Injection, Artic and Canyon Power	1,360	5,401
Seawater Intrusion Barrier	438	1,091
<b>Total</b>	<b>1,798</b>	<b>5,519</b>

	<b>June 2020 (million gallons)</b>	<b>June 2020 (acre feet)</b>
Mira Loma, Kraemer/Miller Basin Recharge, Mid Basin Injection, Artic and Canyon Power	2,016	6,190
Seawater Intrusion Barrier	707	2,171
<b>Total</b>	<b>2,723</b>	<b>8,361</b>

The following graph shows the 2019/2020 fiscal year production compared to the fiscal year production target of 103,000 acre feet (af). As of June 30, 2020, the GWRS Fiscal Year 2019-2020 production total is 97,774 af which is 5,226 af below our target fiscal year production of 103,000 af for the 2019-2020 fiscal year. This shortfall was mainly due to limited production during the GWRS Final Expansion construction project 14 day outage from April 27 to May 11, 2020. There were also three days of limited production from December 19-21, 2019 to repair a leak on the GWRS distribution pipeline.

**GWRS ACTUAL PRODUCTION TO TARGET PRODUCTION**  
Fiscal Year  
July 1, 2019 to June 30, 2020  
103,000 acre feet planned





## AGENDA ITEM SUBMITTAL

**Meeting Date:** July 13, 2020

**To:** GWRS Steering Committee

**From:** Mike Markus/Jim Herberg

**Staff Contact:** S. Scott-Roberts

**Budgeted:** N/A

**Budgeted Amount:** N/A

**Cost Estimate:** N/A

**Funding Source:** N/A

**Program/Line Item No.:** N/A

**General Counsel Approval:** N/A

**Project Report Approved:** N/A

**CEQA Compliance:** N/A

**Subject: UPDATE ON GWRS FINAL EXPANSION PROJECT**

---

### SUMMARY

The GWRS Final Expansion Project is currently under construction by Shimmick Construction Company to expand the Advanced Water Treatment Facility and construct the GWRS pump station and flow equalization tanks at OCSD Plant No. 2. The pipeline rehabilitation project has been bid and will be recommended for award at the July 15, 2020 OCWD Board of Directors meeting.

### RECOMMENDATION

Informational.

### DISCUSSION/ANALYSIS

The GWRS Final Expansion Project is the build-out capacity of the GWRS facility that treats secondary effluent from OCSD to drinking water standards for groundwater replenishment water. The current GWRS facility produces 100 MGD of purified water. The build-out treatment capacity increases the water production to a total of 130 MGD. OCSD/OCWD completed a joint effluent reuse study (SP-173) in 2016 which analyzed the project components required to facilitate the GWRS Final Expansion Project. With the study complete, both agencies embarked on completing all the projects required to meet the build-out capacity of 130 MGD as part of the GWRS Final Expansion Project.

To increase the amount of water produced from the GWRS facility, additional secondary effluent from OCSD must be conveyed to GWRS. With an analysis of average raw wastewater inflows to OCSD's two treatment plants, both OCSD Plant No. 1 and Plant No. 2 secondary effluent is required to meet the 130 MGD GWRS production goal. Therefore, new secondary effluent conveyance facilities are required at OCSD Plant No. 2 to convey the secondary effluent to GWRS. These conveyance facilities include an effluent pump station, a flow equalization tank and a pipeline. In addition, recommendations from the SP-173 study showed that the segregation of the Santa Ana Regional Interceptor (SARI) trunk flows to OCSD Plant No. 2 is feasible as part of the GWRS Final Expansion Project. Currently SARI flows are not permitted to be recycled through GWRS due to the industrial and treatment facility discharges that currently flow in the SARI trunk sewer. Therefore, in addition to the conveyance facilities, the OCSD Plant No. 2 headworks facilities will segregate the SARI trunk flows and treat these

flows separately for discharge to the ocean outfall. This project is referred to as the Plant No. 2 Headworks Modification Project.

The Advanced Water Treatment Facility is the GWRS facility made up of the microfiltration, reverse osmosis and UV treatment processes. The AWTF will need to be expanded to treat the additional 30 MGD of secondary effluent to meet the build-out water production goal of 130 MGD total. With all the above considerations, the GWRS Final Expansion Project includes the following project contracts/components:

### **GWRS Final Expansion Project Components**

#### ***CONTRACT 1 – Construction Phase (Shimmick)***

- Advanced Water Treatment Facility Expansion
- P2 Effluent Pump Station
- P2 Flow Equalization Tanks

#### ***CONTRACT 2: - Bid/Construction Phase***

- Pipeline Rehabilitation

#### ***CONTRACT 3: - Construction Phase (Shimmick)***

- OCSD Headworks Modification

OCWD is responsible for the costs of all the projects listed above for the GWRS Final Expansion Project. However, OCSD will manage the design and construction of the P2 Headworks Modification Project (P2-122).

The construction phase of Contract 1 was awarded to Shimmick Construction Company, Inc. – which includes the AWTF Expansion, P2 Pump Station, and the P2 Flow Equalization Tanks. The Notice to Proceed was issued on November 2, 2019 and per the allotted construction duration – the project is scheduled to be complete on February 19, 2023. Current construction activities include installation of dewatering wells, excavation of the microfiltration west basement, and pile drilling for the new microfiltration cells that will be added to the AWTF. At OCSD Plant No. 2, Shimmick has excavated the site for the pump station and flow equalization tanks and begun active drilling using deep soil mixing foundation technology.

Contract 2 was advertised for public bid in March 2020. Bids were opened on June 16, 2020. Four bids were received, and staff is currently reviewing the bid information. Staff anticipates recommending award of Contract 2 at the July 15, 2020 OCWD Board of Directors meeting. With a Notice to Proceed following shortly thereafter (August 2020), the scheduled completion of this project will be in June 2021.

The OCSD Headworks Modification Project was advertised for construction bid on October 10, 2019. Bids were opened on December 17, 2019. The OCSD Headworks Modification Project was awarded to Shimmick Construction Co., Inc. at the January 22<sup>nd</sup> OCSD Board of Directors meeting. Construction is scheduled to be complete in March 2023.

The most current GWRSE Project budget is shown in Table 1 below.

**Table 1 – GWRSE Project Budget**

<b>Description</b>	<b>Project Budget</b>
<b>Pre-Design</b>	
Studies/CEQA for GWRSE Projects	\$1,000,000
<b>Design</b>	
Design Phase Engineering Services	
B&V Agreement (Design & Construction Engineering Services)	\$13,663,900
<b>Construction</b>	
GWRSE Construction Management & Inspection	\$10,000,000
AWTF Expansion Construction	\$123,776,159
P2 Effluent Pump Station Construction	\$54,611,819
P2 Flow Equalization Tank Construction	\$21,554,022
P2 Pipeline Rehabilitation Construction	\$20,400,000
<b>Engineering, Legal &amp; Administration</b>	
GWRSE Projects	\$3,377,000
<b>Contingency</b>	
GWRSE Construction/Project Contingency	\$11,921,100
<b>OCSD Project</b>	
OCSD Headworks Modification Project	<u>\$50,000,000</u>
<b>TOTAL</b>	<b>\$310,304,000</b>

Table 2 below shows the construction completion percentages for each of the project elements (based on expenditures) as of June 30, 2020.

**Table 2 – GWRSE Project Elements Completion Status Table**

<b>GWRSE Project Element</b>	<b>Percent Complete (Expenditures)</b>
AWTF Expansion	17%
P2 Effluent Pump Station	17%
Pipeline Rehabilitation	0%
P2 Flow Equalization Tanks	17%
OCSD Headworks Modification	5%

Funding for this project is through a variety of different sources. In August 2018, OCWD Board of Directors executed a loan agreement with the EPA for a low interest rate WIFIA loan in the amount of \$135 million. The remaining \$186 million is slated to be received from the State Revolving Fund (SRF) Loan.

OCWD was also recently notified that the project is being awarded \$3.6 million in Prop 1 grants from the IRWM grant program managed by the California Department of Water Resources.

Additionally, OCSD/OCWD applied for USBR Title XVI grant for the P2 Headworks Modification Project in Summer of 2017. Staff was notified in November 2017 that the application for P2-122 received some of the highest ratings and was awarded \$1,325,000 in grant funding.

## **PRIOR BOARD/COMMITTEE ACTIONS**





## AGENDA ITEM SUBMITTAL

**Meeting Date:** July 13, 2020

**To:** GWRS Steering Committee

**From:** Mike Markus

**Staff Contact:** G. Ayala

**Budgeted:** N/A

**Budgeted Amount:** N/A

**Cost Estimate:** N/A

**Funding Source:** N/A

**Program/Line Item No.:** N/A

**General Counsel Approval:** N/A

**Engineers/Feasibility Report:** N/A

**CEQA Compliance:** N/A

**SUBJECT: GWRS FIRST & SECOND QUARTER OUTREACH REPORT (JANUARY – JUNE 2020)**

---

### SUMMARY

Outreach for the Orange County Water District (OCWD) and its programs and projects, including the Groundwater Replenishment System (GWRS), continues with a major focus to build and maintain support for the GWRS, as well as field media interest and coverage.

#### Attachment(s):

- 2020 first and second quarter news clip report

### RECOMMENDATION

Informational

### DISCUSSION/ANALYSIS

#### Tours:

There were approximately 40 in-person tours during the first and second quarter of 2020. The tours accounted for approximately 1,250 guests who toured the GWRS. Following is a list of groups, companies, schools, and organizations that participated in the tours and Next Generation Water Leaders (NGWL) program.

- Three groups of nursing students from California State University, Fullerton (CSUF)
- Three groups from China University of Geosciences with ERDT Chinese Exchange Program
- Three groups from Huntington Beach High School
- Two public tours
- Two groups from Godinez High School, (one with OC Coastkeeper, one NGWL)
- Two groups from Dana Hills High School
- Two groups from Vista Heritage Global Academy (NGWL)
- B'nai Tzedek Congregation
- Buena Park Intermediate (NGWL)
- Cal Poly Pomona
- Cambria Utilities District

- Demille Intermediate School (NGWL)
- Estancia High School with OC Coastkeepers
- Goals Academy
- Journalist Frederick Dayton
- Korea Environment Corporation
- OC Discussion Group
- Palm Beach County Florida Water Utilities Department
- Rancho Los Alamitos High School with OC Coastkeepers
- Safran Passenger
- Santa Ana Valley High School
- Santiago High School with OC Coastkeeper
- Community Roots Academy (NGWL)
- UCI Continuing Education
- University of San Francisco
- Vanguard University
- Water Education for Elected Leaders (WELL)
- Water Environment Federation/American Water Works Association Young Professionals Summit

Beginning March 11, in-person tours were suspended in accordance with the District's COVID-19 response plan. This resulted in the cancellation of 29 tour requests. To facilitate continued GWRS outreach, OCWD implemented a virtual tour program. There were two virtual tours held in June with approximately 93 participants.

In addition, an [on-demand virtual tour](#) was created and posted to the District's social media channels. It has been viewed more than 1,200 times.

### **Third Quarter 2020 Virtual Tours:**

- July 8 public tour
- July 10 public tour
- July 31 public joint tour with Orange County Sanitation District (OCSD)
- August 7 public tour
- August 19 public joint tour with OCSD
- August 26 City of Los Angeles, LA Sanitation & Environment
- September 11 public tour
- September 22 joint public tour with OCSD
- Date TBD National Alliance for Water Innovation

### **Speakers Bureau:**

Below is a listing of the January through June speakers' bureau engagements that included a portion of the presentation about the GWRS. As with tours, speakers' bureau engagements moved to a virtual format in March.

- On January 28, Gina Ayala and Jennifer Cabral attended the CWEA (California Water Environment Association) Conference and gave a presentation about GWRS outreach entitled "Setting the Standard for Public Support of Recycling through Advanced Water Treatment" on January 28.

- On February 11, John Kennedy presented on Water Issues in Orange County to SMPS-OC, a collection of marketing and business development professionals in the architecture, engineering and construction industry.
- On February 20, Mike Markus participated as a panelist for Making the Impossible, Possible: Rethinking Institutional and Regulatory Challenges to Drive Success at the Urban Water Institute's Spring Conference.
- On February 26, Randy Fick was on a WIFIA Panel - Let's Save Money! How Utilities Use WIFIA to Fund Projects for The Utility Management Conference.
- On March 6, Mike Markus participated in a virtual workshop hosted by the World Bank and presented on alternative water sources.
- On April 2, Mehul Patel participated in DuPont Water Solutions' Blue Talk Webinar, where he spoke about the GWRS.
- On April 23, Director Cathy Green provided a virtual presentation about OCWD to the Fountain Valley Kiwanis.
- On June 17, President Vicente Sarmiento and John Kennedy spoke to the Santa Ana Rotary Club members about their local water supply.
- On June 18, Jason Dadakis spoke at the Orange County WateReuse Chapter Meeting.
- On June 24, Mike Markus spoke at the WateReuse Association virtual conference on a panel titled Leadership's Perspective on Advancing Potable Reuse.
- On June 25, President Vicente Sarmiento, Mike Markus and Lo Tan participated in the Com-Link Communications Linkage Forum and provided an update on Santa Ana's water supply to residents.

### **Third Quarter 2020 Speakers Bureau:**

- Orange County Coastkeeper, July 8
- Fullerton Sunrise Rotary, July 16
- American Membrane Technology Association Webinar, July 21

### **Events**

On February 22, 45 Boy Scouts of America fulfilled requirements to earn their Soil and Water Conservation Merit Badge after participating in a merit badge clinic hosted by the Orange County Water District. OCWD Chief Hydrogeologist Roy Herndon provided a hands-on presentation, which was followed by a tour of the Groundwater Replenishment System. Each scout then wrote a 500-word essay highlighting what they learned. The day culminated when each scout met with a merit badge counselor to showcase their newfound knowledge and skills.

### **Media**

There were 63 global news hits for the GWRS. This number reflects multiple hits of the same story. The total reach for the combined articles was approximately 65.7 million. The news clip report is attached.

### **Press Releases, Electronic Publications and Videos:**

- During the first and second quarter of 2020, OCWD issued the following press releases that mentioned or featured the GWRS:
  - [OCWD Commends Collaboration of EPA's National Water Reuse Action Plan](#)
  - [OCWD Awarded \\$3.6 Million Grant to Increase Region's Drinking Water Supply](#)
- Staff wrote and distributed the January, February, March, April, May, and June issues of Hydrospectives, OCWD's monthly e-newsletter, which mention or feature articles about the GWRS:
  - <https://www.ocwd.com/news-events/newsletter/2020/january-2020/>
  - <https://www.ocwd.com/news-events/newsletter/2020/february-2020/>
  - <https://www.ocwd.com/news-events/newsletter/2020/march-2020/>
  - <https://www.ocwd.com/news-events/newsletter/2020/april-2020/>
  - <https://www.ocwd.com/news-events/newsletter/2020/may-2020/>
  - <https://www.ocwd.com/news-events/newsletter/2020/june-2020/>
- Staff co-authored the following research publications, which mention the GWRS:
  - [Evaluating Post Treatment Challenges for Potable Reuse Applications](#)
  - [Validation of a novel direct-injection chemiluminescence-based method for N-nitrosamine analysis in advanced-treated recycled water, drinking water, and wastewater](#)

### **Website:**

- The GWRS Final Expansion web page was updated to include information and photos of interest to residents and the community.
  - <https://www.ocwd.com/gwrs/final-expansion/>
- The Book a Tour web page was updated to include information about virtual tours.
  - <https://www.ocwd.com/contact-us/book-a-tour/>
- The 2019 GWRS Annual Report was uploaded to the website
  - <https://www.ocwd.com/media/8938/2019-gwrs-annual-report-appendices.pdf>

### **Construction outreach:**

OCWD worked with the Orange County Sanitation District to distribute four notices to stakeholders.

- Start of construction: [https://www.ocwd.com/media/8466/gwrsfe\\_start-of-construction\\_jan2020.pdf](https://www.ocwd.com/media/8466/gwrsfe_start-of-construction_jan2020.pdf)
- Spring 2020 update: <https://www.ocwd.com/media/8642/web-update-spring-20202.pdf>

- Truck hauling update: <https://www.ocwd.com/media/8716/gwrsfe-truck-hauling-update-41420.pdf>
- Deep soil mixing: <https://www.ocwd.com/media/8930/gwrsfe-deep-soil-mixing-postcard.pdf>

**MEDIA CLIPS**  
**GWRS**  
**JANUARY - JUNE 2020**

	Date	Source	Headline	Country	URL	Reach
63	30-Jun-2020	Prsync.com	Positive Displacement Pumps Market Regional Growth Drivers, Opportunities, Trends, and Forecasts to 2026	United States	<a href="http://prsync.com/global-market-insightsinc/positive-displacement-pumps-market-regional-growth-drivers-opportunities-trends-and-forecasts-to--3307589/">http://prsync.com/global-market-insightsinc/positive-displacement-pumps-market-regional-growth-drivers-opportunities-trends-and-forecasts-to--3307589/</a>	11576
62	30-Jun-2020	Water Finance & Management	Orange County awarded grant to increase drinking water supply	United States	<a href="https://waterfm.com/orange-county-awarded-grant-to-increase-drinking-water-supply/">https://waterfm.com/orange-county-awarded-grant-to-increase-drinking-water-supply/</a>	4944
61	25-Jun-2020	New Santa Ana	Find out what Santa Ana is doing about illegal fireworks at a virtual meeting tonight	United States	<a href="http://newsantaana.com/find-out-what-santa-ana-is-doing-about-illegal-fireworks-at-a-virtual-meeting-tonight/">http://newsantaana.com/find-out-what-santa-ana-is-doing-about-illegal-fireworks-at-a-virtual-meeting-tonight/</a>	50519
60	20-Jun-2020	New Santa Ana	Learn about water, fireworks and charter changes at the next virtual Com Link meeting on June 25	United States	<a href="http://newsantaana.com/learn-about-water-fireworks-and-charter-changes-at-the-next-virtual-com-link-meeting-on-june-25/">http://newsantaana.com/learn-about-water-fireworks-and-charter-changes-at-the-next-virtual-com-link-meeting-on-june-25/</a>	50519
59	17-Jun-2020	Associated Construction Publications	Orange County Water District Awarded \$3.6M Grant to Increase Region's Drinking Water Supply	United States	<a href="https://www.acppubs.com/articles/orange-county-water-district-awarded-3-6m-grant-to-increase-region-s-drinking-water-supply">https://www.acppubs.com/articles/orange-county-water-district-awarded-3-6m-grant-to-increase-region-s-drinking-water-supply</a>	2717

**MEDIA CLIPS**  
**GWRS**  
**JANUARY - JUNE 2020**

	Date	Source	Headline	Country	URL	Reach
58	15-Jun-2020	WaterWorld	Orange County Water District awarded \$3.6M to increase region's drinking water supply	United States	<a href="https://www.waterworld.com/drinking-water/infrastructure-funding/article/14177855/orange-county-water-district-awarded-36m-to-increase-regions-drinking-water-supply">https://www.waterworld.com/drinking-water/infrastructure-funding/article/14177855/orange-county-water-district-awarded-36m-to-increase-regions-drinking-water-supply</a>	40875
57	12-Jun-2020	California Water News Daily	Orange County Water District receives \$3.6M grant to increase drinking water supply	United States	<a href="http://californiawaternewsdaily.com/industry/orange-county-water-district-receives-3-6m-grant-to-increase-drinking-water-supply/">http://californiawaternewsdaily.com/industry/orange-county-water-district-receives-3-6m-grant-to-increase-drinking-water-supply/</a>	732
56	10-Jun-2020	Water Online	Orange County Water District Awarded \$3.6M Grant To Increase Region's Drinking Water Supply	United States	<a href="https://www.wateronline.com/doc/orange-county-water-district-awarded-m-grant-to-increase-region-s-drinking-water-supply-0001">https://www.wateronline.com/doc/orange-county-water-district-awarded-m-grant-to-increase-region-s-drinking-water-supply-0001</a>	59714
55	04-Jun-2020	California Water News Daily	Local Water Resilience Projects Receive \$65.8 Million in Grants from DWR	United States	<a href="http://californiawaternewsdaily.com/drought/local-water-resilience-projects-receive-65-8-million-in-grants-from-dwr/">http://californiawaternewsdaily.com/drought/local-water-resilience-projects-receive-65-8-million-in-grants-from-dwr/</a>	732
54	02-Jun-2020	The Farmer	State awards \$65.8 million for water resiliency projects	United States	<a href="https://www.farmprogress.com/water/state-awards-658-million-water-resiliency-projects">https://www.farmprogress.com/water/state-awards-658-million-water-resiliency-projects</a>	362129
53	02-Jun-2020	Western Farm Press - Powered by Dow Jones	State awards \$65.8 million for water resiliency projects	United States		81

**MEDIA CLIPS**  
**GWRS**  
**JANUARY - JUNE 2020**

	Date	Source	Headline	Country	URL	Reach
52	02-Jun-2020	Corn & Soybean Digest - Powered by Dow Jones	State awards \$65.8 million for water resiliency projects	United States		362129
51	02-Jun-2020	Farm Industry News - Powered by Dow Jones	State awards \$65.8 million for water resiliency projects	United States		0
50	02-Jun-2020	Southeast Farm Press - Powered by Dow Jones	State awards \$65.8 million for water resiliency projects	United States		0
49	21-May-2020	Water Online	Orange County Water District Recognized For Excellence In Financial Reporting For 12th Straight Year	United States	<a href="https://www.wateronline.com/doc/orange-county-water-district-recognized-for-excellence-in-financial-reporting-0001">https://www.wateronline.com/doc/orange-county-water-district-recognized-for-excellence-in-financial-reporting-0001</a>	59714
48	20-May-2020	Congressional Documents and Publications - Powered by Dow Jones	This premium content from Dow Jones is no longer available	United States		272745
47	16-May-2020	WebsiteGear	2020-2025 Market Forecasts for the Global Market for Major Reverse Osmosis System Components for Water Treatment	United States	<a href="http://news.websitegear.com/view/872172/2020%2D2025%5FMarket%5FForecasts%5Ffor%5Fthe%5FGlobal%5FMarket%5Ffor%5FMajor%5FReverse%5FOsmosis%5FSystem%5FComponents%5Ffor%5FWater%5FTreatment">http://news.websitegear.com/view/872172/2020%2D2025%5FMarket%5FForecasts%5Ffor%5Fthe%5FGlobal%5FMarket%5Ffor%5FMajor%5FReverse%5FOsmosis%5FSystem%5FComponents%5Ffor%5FWater%5FTreatment</a>	1353



**MEDIA CLIPS**  
**GWRS**  
**JANUARY - JUNE 2020**

	Date	Source	Headline	Country	URL	Reach
46	15-May-2020	GlobeNewswire	World Market for Major Reverse Osmosis System Components for Water Treatment: Company Analysis of Manufacturers, Designers and Suppliers	United States	<a href="https://www.globenewswire.com/news-release/2020/05/15/2034078/0/en/World-Market-for-Major-Reverse-Osmosis-System-Components-for-Water-Treatment-Company-Analysis-of-Manufacturers-Designers-and-Suppliers.html">https://www.globenewswire.com/news-release/2020/05/15/2034078/0/en/World-Market-for-Major-Reverse-Osmosis-System-Components-for-Water-Treatment-Company-Analysis-of-Manufacturers-Designers-and-Suppliers.html</a>	1856535
45	15-May-2020	Value Investing News - FinancialContent	World Market for Major Reverse Osmosis System Components for Water Treatment: Company Analysis of Manufacturers, Designers and Suppliers	United States	<a href="http://markets.financialcontent.com/fatpitch.valueinvestingnews/news/read/39946038/world_market_for_major_reverse_osmosis_system_components_for_water_treatment">http://markets.financialcontent.com/fatpitch.valueinvestingnews/news/read/39946038/world_market_for_major_reverse_osmosis_system_components_for_water_treatment</a>	182551
44	15-May-2020	Starkville Daily News - FinancialContent	World Market for Major Reverse Osmosis System Components for Water Treatment: Company Analysis of Manufacturers, Designers and Suppliers	United States	<a href="http://business.starkvilledailynews.com/starkvilledailynews/news/read/39946038/world_market_for_major_reverse_osmosis_system_components_for_water_treatment">http://business.starkvilledailynews.com/starkvilledailynews/news/read/39946038/world_market_for_major_reverse_osmosis_system_components_for_water_treatment</a>	484
43	11-May-2020	FOX 40 WICZ TV	2020-2025 Market Forecasts for the Global Market for Major Reverse Osmosis System Components for Water Treatment	United States	<a href="http://www.wicz.com/story/42115089/2020-2025-market-forecasts-for-the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment">http://www.wicz.com/story/42115089/2020-2025-market-forecasts-for-the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment</a>	71788

**MEDIA CLIPS**  
**GWRS**  
**JANUARY - JUNE 2020**

	Date	Source	Headline	Country	URL	Reach
42	11-May-2020	PANHANDLE - News Channel Nebraska - PR Newswire	2020-2025 Market Forecasts for the Global Market for Major Reverse Osmosis System Components for Water Treatment	United States	<a href="https://panhandle.newschannelnebraska.com/story/42115089/2020-2025-market-forecasts-for-the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment">https://panhandle.newschannelnebraska.com/story/42115089/2020-2025-market-forecasts-for-the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment</a>	40
41	11-May-2020	WRDE.com - PR Newswire	2020-2025 Market Forecasts for the Global Market for Major Reverse Osmosis System Components for Water Treatment	United States	<a href="https://www.wrde.com/story/42115089/2020-2025-market-forecasts-for-the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment">https://www.wrde.com/story/42115089/2020-2025-market-forecasts-for-the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment</a>	169
40	11-May-2020	KTVN Channel 2	2020-2025 Market Forecasts for the Global Market for Major Reverse Osmosis System Components for Water Treatment	United States	<a href="https://www.ktvn.com/story/42115089/2020-2025-market-forecasts-for-the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment">https://www.ktvn.com/story/42115089/2020-2025-market-forecasts-for-the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment</a>	236669
39	11-May-2020	Fox 21 Delmarva	2020-2025 Market Forecasts for the Global Market for Major Reverse Osmosis System Components for Water Treatment	United States	<a href="http://www.fox21delmarva.com/story/42115089/2020-2025-market-forecasts-for-the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment">http://www.fox21delmarva.com/story/42115089/2020-2025-market-forecasts-for-the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment</a>	3106

**MEDIA CLIPS  
GWRS  
JANUARY - JUNE 2020**

	Date	Source	Headline	Country	URL	Reach
38	11-May-2020	Platte Valley - News Channel Nebraska - PR Newswire	2020-2025 Market Forecasts for the Global Market for Major Reverse Osmosis System Components for Water Treatment	United States	<a href="https://plattevalley.newschannelnebraska.com/story/42115089/2020-2025-market-forecasts-for-the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment">https://plattevalley.newschannelnebraska.com/story/42115089/2020-2025-market-forecasts-for-the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment</a>	13096
37	11-May-2020	Erie News Now - PR Newswire	2020-2025 Market Forecasts for the Global Market for Major Reverse Osmosis System Components for Water Treatment	United States	<a href="https://www.erienewsnow.com/story/42115089/2020-2025-market-forecasts-for-the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment">https://www.erienewsnow.com/story/42115089/2020-2025-market-forecasts-for-the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment</a>	14238
36	11-May-2020	Double T 97.3 - Newswires	2020-2025 Market Forecasts for the Global Market for Major Reverse Osmosis System Components for Water Treatment	United States	<a href="https://www.doublet973.com/story/42115089/2020-2025-market-forecasts-for-the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment">https://www.doublet973.com/story/42115089/2020-2025-market-forecasts-for-the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment</a>	139
35	11-May-2020	Fox 34	2020-2025 Market Forecasts for the Global Market for Major Reverse Osmosis System Components for Water Treatment	United States	<a href="https://www.fox34.com/story/42115089/2020-2025-market-forecasts-for-the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment">https://www.fox34.com/story/42115089/2020-2025-market-forecasts-for-the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment</a>	50396

**MEDIA CLIPS**  
**GWRS**  
**JANUARY - JUNE 2020**

	Date	Source	Headline	Country	URL	Reach
34	11-May-2020	Midplains - News Channel Nebraska - PR Newswire	2020-2025 Market Forecasts for the Global Market for Major Reverse Osmosis System Components for Water Treatment	United States	<a href="https://midplains.newschannelnebraska.com/story/42115089/2020-2025-market-forecasts-for-the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment">https://midplains.newschannelnebraska.com/story/42115089/2020-2025-market-forecasts-for-the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment</a>	1858
33	11-May-2020	Markets Insider-Business Insider	2020-2025 Market Forecasts for the Global Market for Major Reverse Osmosis System Components for Water Treatment	United States	<a href="https://markets.businessinsider.com/news/stocks/2020-2025-market-forecasts-for-the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment-1029188665">https://markets.businessinsider.com/news/stocks/2020-2025-market-forecasts-for-the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment-1029188665</a>	9143986
32	11-May-2020	Ticker Technologies	2020-2025 Market Forecasts for the Global Market for Major Reverse Osmosis System Components for Water Treatment	United States	<a href="http://www.tickertech.com/cgi/?a=news&amp;ticker=a&amp;w=&amp;story=202005202005111400PR_NEWS_USPR_IO03638">http://www.tickertech.com/cgi/?a=news&amp;ticker=a&amp;w=&amp;story=202005202005111400PR_NEWS_USPR_IO03638</a>	2162
31	11-May-2020	Benzinga	2020-2025 Market Forecasts for the Global Market for Major Reverse Osmosis System Components for Water Treatment	United States	<a href="https://www.benzinga.com/pressreleases/20/05/n16002993/2020-2025-market-forecasts-for-the-global-market-for-major-reverse-osmosis-system-components-for-w">https://www.benzinga.com/pressreleases/20/05/n16002993/2020-2025-market-forecasts-for-the-global-market-for-major-reverse-osmosis-system-components-for-w</a>	3552334

**MEDIA CLIPS**  
**GWRS**  
**JANUARY - JUNE 2020**

	Date	Source	Headline	Country	URL	Reach
30	11-May-2020	Public Radio International - FinancialContent	2020-2025 Market Forecasts for the Global Market for Major Reverse Osmosis System Components for Water Treatment	United States	<a href="http://thenumbers.marketplace.org/publicradio/news/read/39924104/2020">http://thenumbers.marketplace.org/publicradio/news/read/39924104/2020</a>	21504
29	11-May-2020	Daily Penny Alerts - FinancialContent	2020-2025 Market Forecasts for the Global Market for Major Reverse Osmosis System Components for Water Treatment	United States	<a href="http://markets.financialcontent.com/dailypennyalerts/news/read/39924104/2020">http://markets.financialcontent.com/dailypennyalerts/news/read/39924104/2020</a>	315
28	11-May-2020	Tamar Securities - FinancialContent	2020-2025 Market Forecasts for the Global Market for Major Reverse Osmosis System Components for Water Treatment	United States	<a href="http://markets.financialcontent.com/tamarsecurities/news/read/39924104/2020">http://markets.financialcontent.com/tamarsecurities/news/read/39924104/2020</a>	182551
27	11-May-2020	PR Newswire	2020-2025 Market Forecasts for the Global Market for Major Reverse Osmosis System Components for Water Treatment	United States	<a href="https://www.prnewswire.com/news-releases/2020-2025-market-forecasts-for-the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment-301056806.html">https://www.prnewswire.com/news-releases/2020-2025-market-forecasts-for-the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment-301056806.html</a>	4851318
26	11-May-2020	PRNewswire - FinancialContent	2020-2025 Market Forecasts for the Global Market for Major Reverse Osmosis System Components for Water Treatment	United States	<a href="http://markets.financialcontent.com/prnews.pressrelease/news/read/39924104/2020">http://markets.financialcontent.com/prnews.pressrelease/news/read/39924104/2020</a>	182551
25	11-May-2020	Starkville Daily News - FinancialContent	2020-2025 Market Forecasts for the Global Market for Major Reverse Osmosis System Components for Water Treatment	United States	<a href="http://business.starkvilledailynews.com/starkvilledailynews/news/read/39924104/2020">http://business.starkvilledailynews.com/starkvilledailynews/news/read/39924104/2020</a>	484

**MEDIA CLIPS**  
**GWRS**  
**JANUARY - JUNE 2020**

	Date	Source	Headline	Country	URL	Reach
24	11-May-2020	Value Investing News - FinancialContent	2020-2025 Market Forecasts for the Global Market for Major Reverse Osmosis System Components for Water Treatment	United States	<a href="http://markets.financialcontent.com/fatpitch.valueinvestingnews/news/read/39924104/2020">http://markets.financialcontent.com/fatpitch.valueinvestingnews/news/read/39924104/2020</a>	182551
23	26-Mar-2020	Fox 21 Delmarva	The Global Market for Major Reverse Osmosis System Components for Water Treatment (2020 to 2025) - ResearchAndMarkets.com	United States	<a href="http://www.fox21delmarva.com/story/41941677/the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment-2020-to-2025-researchandmarketscom">http://www.fox21delmarva.com/story/41941677/the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment-2020-to-2025-researchandmarketscom</a>	2626
22	26-Mar-2020	FOX 40 WICZ TV	The Global Market for Major Reverse Osmosis System Components for Water Treatment (2020 to 2025) - ResearchAndMarkets.com	United States	<a href="http://www.wicz.com/story/41941677/the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment-2020-to-2025-researchandmarketscom">http://www.wicz.com/story/41941677/the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment-2020-to-2025-researchandmarketscom</a>	45993
21	26-Mar-2020	DMN Newswire!	The Global Market for Major Reverse Osmosis System Components for Water Treatment (2020 to 2025) – ResearchAndMarkets.com	United States	<a href="http://dmnnewswire.digitalmedianet.com/2020/03/26/the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment-2020-to-2025-researchandmarkets-com/">http://dmnnewswire.digitalmedianet.com/2020/03/26/the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment-2020-to-2025-researchandmarkets-com/</a>	65

**MEDIA CLIPS**  
**GWRS**  
**JANUARY - JUNE 2020**

	Date	Source	Headline	Country	URL	Reach
20	26-Mar-2020	DMN Newswire	The Global Market for Major Reverse Osmosis System Components for Water Treatment (2020 to 2025) – ResearchAndMarkets.com	United States	<a href="http://dmnnewswire.digitalmedianet.com/2020/03/26/the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment-2020-to-2025-researchandmarkets-com/?utm_source=rss&amp;utm_medium=rss&amp;utm_campaign=the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment-2020-to-2025-researchandmarkets-com">http://dmnnewswire.digitalmedianet.com/2020/03/26/the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment-2020-to-2025-researchandmarkets-com/?utm_source=rss&amp;utm_medium=rss&amp;utm_campaign=the-global-market-for-major-reverse-osmosis-system-components-for-water-treatment-2020-to-2025-researchandmarkets-com</a>	65
19	26-Mar-2020	AP (Hosted)	The Global Market for Major Reverse Osmosis System Components for Water Treatment (2020 to 2025) - ResearchAndMarkets.com	United States		393416
18	26-Mar-2020	Business Wire	The Global Market for Major Reverse Osmosis System Components for Water Treatment (2020 to 2025) - ResearchAndMarkets.com	United States	<a href="https://www.businesswire.com/news/home/20200326005392/en/Global-Market-Major-Reverse-Osmosis-System-Components">https://www.businesswire.com/news/home/20200326005392/en/Global-Market-Major-Reverse-Osmosis-System-Components</a>	421930
17	26-Mar-2020	Yahoo! Finance	The Global Market for Major Reverse Osmosis System Components for Water Treatment (2020 to 2025) - ResearchAndMarkets.com	United States	<a href="https://finance.yahoo.com/news/global-market-major-reverse-osmosis-133100216.html">https://finance.yahoo.com/news/global-market-major-reverse-osmosis-133100216.html</a>	34929025

**MEDIA CLIPS**  
**GWRS**  
**JANUARY - JUNE 2020**

	Date	Source	Headline	Country	URL	Reach
16	26-Mar-2020	Value Investing News - FinancialContent	The Global Market for Major Reverse Osmosis System Components for Water Treatment (2020 to 2025) - ResearchAndMarkets.com	United States	<a href="http://markets.financialcontent.com/fatpitch.valueinvestingnews/news/read/39716594/the_global_market_for_major_reverse_osmosis_system_components_for_water_treatment_">http://markets.financialcontent.com/fatpitch.valueinvestingnews/news/read/39716594/the_global_market_for_major_reverse_osmosis_system_components_for_water_treatment_</a>	137046
15	26-Mar-2020	Daily Penny Alerts - FinancialContent	The Global Market for Major Reverse Osmosis System Components for Water Treatment (2020 to 2025) - ResearchAndMarkets.com	United States	<a href="http://markets.financialcontent.com/dailypennyalerts/news/read/39716594/the_global_market_for_major_reverse_osmosis_system_components_for_water_treatment_">http://markets.financialcontent.com/dailypennyalerts/news/read/39716594/the_global_market_for_major_reverse_osmosis_system_components_for_water_treatment_</a>	175
14	26-Mar-2020	Starkville Daily News - FinancialContent	The Global Market for Major Reverse Osmosis System Components for Water Treatment (2020 to 2025) - ResearchAndMarkets.com	United States	<a href="http://business.starkvilledailynews.com/starkvilledailynews/news/read/39716594/the_global_market_for_major_reverse_osmosis_system_components_for_water_treatment_">http://business.starkvilledailynews.com/starkvilledailynews/news/read/39716594/the_global_market_for_major_reverse_osmosis_system_components_for_water_treatment_</a>	691
13	26-Mar-2020	The Buffalo News - FinancialContent	The Global Market for Major Reverse Osmosis System Components for Water Treatment (2020 to 2025) - ResearchAndMarkets.com	United States	<a href="http://markets.buffalonews.com/buffnews/news/read/39716594/the_global_market_for_major_reverse_osmosis_system_components_for_water_treatment_">http://markets.buffalonews.com/buffnews/news/read/39716594/the_global_market_for_major_reverse_osmosis_system_components_for_water_treatment_</a>	1232



**MEDIA CLIPS**  
**GWRS**  
**JANUARY - JUNE 2020**

	Date	Source	Headline	Country	URL	Reach
12	15-Mar-2020	Investornetwork	World Market for Major Reverse Osmosis System Components for Water Treatment: Company Analysis of Manufacturers, Designers and Suppliers	United States	<a href="https://www.investornetwork.com/news/N-05D2D6CEE4600DEEE7D43C011693BE">https://www.investornetwork.com/news/N-05D2D6CEE4600DEEE7D43C011693BE</a>	12391
11	13-Mar-2020	Water Finance & Management	Orange County commends collaboration on water reuse plan	United States	<a href="https://waterfm.com/orange-county-commends-collaboration-on-water-reuse-plan/">https://waterfm.com/orange-county-commends-collaboration-on-water-reuse-plan/</a>	4008
10	13-Mar-2020	Voice of OC	Barrera: Climate Change Is the Real Threat to Latinx	United States	<a href="https://voiceofoc.org/2020/03/barrera-climate-change-is-the-real-threat-to-latinx/">https://voiceofoc.org/2020/03/barrera-climate-change-is-the-real-threat-to-latinx/</a>	106712
9	12-Mar-2020	Orange County Register	Key issues for Poseidon desal plant get expert analysis, but coronavirus delays Friday meeting	United States	<a href="https://www.ocregister.com/2020/03/12/key-issues-for-poseidon-desal-plant-get-expert-analysis-but-coronavirus-delays-friday-meeting/">https://www.ocregister.com/2020/03/12/key-issues-for-poseidon-desal-plant-get-expert-analysis-but-coronavirus-delays-friday-meeting/</a>	2688422
8	12-Mar-2020	Water Online	OCWD Commends Collaboration Of EPA's National Water Reuse Action Plan	United States	<a href="https://www.wateronline.com/doc/ocwd-commends-collaboration-epa-s-national-water-reuse-action-plan-0001">https://www.wateronline.com/doc/ocwd-commends-collaboration-epa-s-national-water-reuse-action-plan-0001</a>	72544
7	11-Mar-2020	VB Profiles	2020-2025 Market Forecasts for the Global Market for Major Reverse Osmosis System Components for Water Treatment	United States	<a href="https://www.vbprofiles.com/press_releases/5eb9988cb9abe45617d28b60">https://www.vbprofiles.com/press_releases/5eb9988cb9abe45617d28b60</a>	37464

**MEDIA CLIPS**  
**GWRS**  
**JANUARY - JUNE 2020**

	Date	Source	Headline	Country	URL	Reach
6	04-Mar-2020	Congressional Documents and Publications - Powered by Dow Jones	This premium content from Dow Jones is no longer available	United States		199441
5	20-Feb-2020	The San Diego Union-Tribune	Oceanside leads county with plan to make recycled water safe to drink	United States	<a href="https://www.sandiegouniontribune.com/communities/north-county/oceanside/story/2020-02-20/oceanside-leads-county-with-plan-for-potable-recycled-water">https://www.sandiegouniontribune.com/communities/north-county/oceanside/story/2020-02-20/oceanside-leads-county-with-plan-for-potable-recycled-water</a>	2173303
4	20-Feb-2020	Tribune (Premium)	Oceanside leads county with plan to make recycled water safe to drink	United States		3857
3	17-Jan-2020	Los Angeles Daily News	'Forever chemicals' in Orange County drinking water to force widespread well closures	United States	<a href="https://www.dailynews.com/2020/01/17/forever-chemicals-in-orange-county-drinking-water-to-force-widespread-well-closures/">https://www.dailynews.com/2020/01/17/forever-chemicals-in-orange-county-drinking-water-to-force-widespread-well-closures/</a>	636180
2	17-Jan-2020	Orange County Register	'Forever chemicals' in Orange County drinking water to force widespread well closures	United States	<a href="https://www.oregister.com/2020/01/17/forever-chemicals-in-orange-county-drinking-water-to-force-widespread-well-closures/">https://www.oregister.com/2020/01/17/forever-chemicals-in-orange-county-drinking-water-to-force-widespread-well-closures/</a>	1884582
1	01-Jan-2020	Composites World	Composites' role in seawater reverse osmosis desalination	United States	<a href="https://www.compositesworld.com/blog/post/composites-role-in-seawater-reverse-osmosis-desalination-">https://www.compositesworld.com/blog/post/composites-role-in-seawater-reverse-osmosis-desalination-</a>	76759