

**AGENDA  
REGULAR MEETING  
GROUNDWATER REPLENISHMENT SYSTEM STEERING COMMITTEE  
(A Committee of Orange County Water District  
and Orange County Sanitation District Directors\*)  
18700 Ward Street, Fountain Valley  
Monday, January 10, 2022 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 (OC San) 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 OC San Boards of Directors. Agenda items requiring Board approval will be placed on future OCWD and/or OC San Board meeting Agendas. OCWD Directors receive no additional compensation or stipend as a result of simultaneously convening this meeting.

Due to the continuing state of emergency declared by the Governor related to preventing the spread of COVID-19 and pursuant to Government Code Section 54953(e), OCWD will be holding its January 10 GWRS Steering Committee meeting by Zoom Webinar and will be available to the Board and the public by either computer web-link or telephone audio as follows:

**Computer Audio: You can join the Zoom Meeting by clicking on the following link:**  
<https://ocwd.zoom.us/j/87104908124>

**Meeting ID: 871 0490 8124**

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

**PLEDGE OF ALLEGIANCE**

**ROLL CALL**

**ANNUAL REORGANIZATION OF COMMITTEE OFFICERS**

- Election of Chairman (OCWD)
- Election of Vice Chair (OC SAN)

**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 October 11, 2021 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 FOURTH QUARTER OUTREACH REPORT (OCTOBER- DECEMBER 2021)

**DIRECTORS' ANNOUNCEMENTS/REPORTS**

**GENERAL MANAGERS' REPORT**

- Next GWRS Steering Committee Meeting – April 11, 2022

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

**ADJOURNMENT**

## **2021 GWRs Steering Committee Members**

### **OCWD Committee Members**

Roger Yoh  
Cathy Green  
Tri Ta

### **OCWD Alternates**

Kelly Rowe  
Dina Nguyen  
Steve Sheldon

### **OC San Committee Members**

David Shawver  
Bob Ooten  
Ryan Gallagher

### **OC San Alternates**

Jesus Silva  
Brooke Jones  
John Withers

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, October 11, 2021**

OC San Director David Shawver called the Groundwater Replenishment System Steering Committee meeting to order via Zoom webinar. Following the Pledge of Allegiance to the flag, the Secretary called the roll and reported a quorum.

**Committee Members**

David Shawver  
Roger Yoh  
Cathy Green  
Bob Ooten  
Tri Ta  
Ryan Gallagher

**Alternates**

Kelly Rowe  
Jesus Silva (absent)  
Dina Nguyen (absent)  
Brooke Jones  
Steve Sheldon (absent)  
John Withers (absent)

OCWD Directors Whitaker, Bilodeau and Mendoza were in attendance.

<b>OCWD Staff</b>	<b>OC SAN Staff</b>
Mike Markus, Mehul Patel, Sandy Scott-Roberts, Kira Erquiaga, Christina Fuller	Jim Herberg

**CONSENT CALENDAR**

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

*Yes – Shawver, Yoh, Green, Ooten, Ta, Gallagher*

1. Minutes of Previous Meeting

**The minutes of the GWRS Steering Committee meeting held July 12, 2021 are approved as presented.**

**INFORMATIONAL ITEMS**

2. GWRS Operations Update

Executive Director of Operations Mehul Patel reported that the average daily production for the quarter, July through September 2021, was 71 mgd. He stated that as of September 30, 2021, the GWRS Fiscal Year 2021-22 production total was 19,867 af which is 6.095 af below the target fiscal year production of 25,962 af. He advised that a shortfall was anticipated due to the GWRS Final Expansion project construction activities. Mr. Patel reported that the GWRS was offline a total of seventeen days from August 15 to September 1 for GWRS Final Expansion construction project related outages. He stated that this outage was used to tie in piping for several key processes to be expanded including the product water pump station, cartridge filters, decarbonation system, and microfiltration backwash system.

3. Update on OC San Flow and Diversions

OC San General Manager Jim Herberg provided an update on the status of the OC San flow diversions to increase flow availability to GWRS from Plant No. 1. He reported that the

completion of the Newhope-Placentia Trunk Replacement project allowed OC San to redirect approximately 6 mgd of wastewater to Plant No. 1 so far. He advised that an additional 2 mgd of flow will be redirected to Plant No. 1 when the Yorba Linda Pump Station is abandoned.

4. Update on GWRS Final Expansion

GWRS Program Manager Sandy Scott-Roberts provided a presentation on construction activities and schedules, completion status of project elements and the project budget. She also provided an update on the Headworks Modification Project and Pipeline Rehabilitation Project.

5. GWRS Third Quarter Outreach Report (July-September 2021)

Senior Communications Specialist Kira Erquiaga reported that there were 12 virtual tours and six essential in-person tours during the third quarter of 2021. She stated that the on demand GWRS general and technical tours have been posted to the District's social media channels and have collectively been viewed more than 5,300 times.

**ADJOURNMENT**

There being no further business to come before the Committee, the meeting was adjourned at 5:55 p.m.

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OC San Director David Shawver, Chair



## AGENDA ITEM SUBMITTAL

**Meeting Date:** January 10, 2022

**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**

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### 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 (OC San) 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 October through December 2021 was 89 mgd. The average production was lower than normal due to a GWRS Final Expansion construction projected related activities as well as winter fouling issues on the microfiltration membranes.

The GWRS effluent production for the months of October through December 2021 is shown in the following tables:



**GWRS EFFLUENT PRODUCTION  
(October - December 2021)**

	<b>October 2021 (million gallons)</b>	<b>October 2021 (acre feet)</b>
Mira Loma, Kraemer/Miller Basin Recharge, Mid Basin Injection, Artic, and Canyon Power	1,691	5,190
Seawater Intrusion Barrier	846	2,597
<b>Total</b>	<b>2,537</b>	<b>7,787</b>

	<b>November 2021 (million gallons)</b>	<b>November 2021 (acre feet)</b>
Mira Loma, Kraemer/Miller Basin, Recharge, Mid Basin Injection, Artic and Canyon Power	1,767	5,425
Seawater Intrusion Barrier	707	2,171
<b>Total</b>	<b>2,474</b>	<b>7,596</b>

	<b>December 2021 (million gallons)</b>	<b>December 2021 (acre feet)</b>
Mira Loma, Kraemer/Miller Basin Recharge, Mid Basin Injection, Artic and Canyon Power	1,773	5,443
Seawater Intrusion Barrier	664	2,038
<b>Total</b>	<b>2,437</b>	<b>7,481</b>

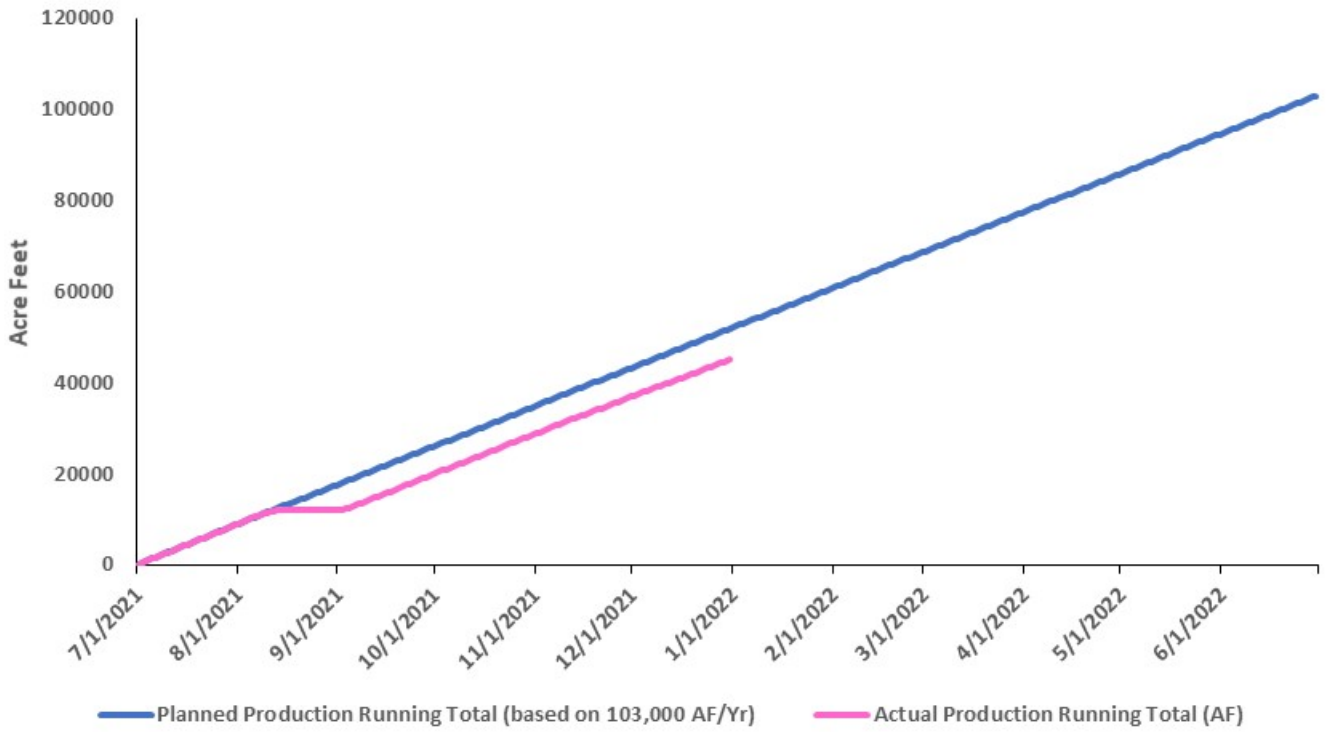
The following two graphs show the 2021/2022 fiscal year production to date compared to the fiscal year normal production target of 103,000 acre feet (af) and a lower target production of 99,000 af. As of December 31, 2021, the GWRS Fiscal Year 2021-2022 production total is 45,089 af which is 6,836 af below our target fiscal year production of 51,925 af. For the more realistic target production of 99,000 af the current production is short by 4,811 af.

A shortfall was anticipated due to the GWRS Final Expansion (GWRSFE) project construction activities. The GWRS was offline a total of one day in the current reporting period on December 9 for GWRFE construction activities. Also, on three occasions (October 18, November 1, December 6) OC San reduced flow to GWRS for a few hours due to work on the Steven Anderson Lift Station to support the Plant 1 headworks modification project. Finally, an eleven hour outage occurred on December 10 due to a SCE related power issue. These outage combined all contributed to production being lower than normal.

OCWD continued with the microfiltration membrane replacement project for the current fiscal year to replace all membranes in Train B (8 cells or 5,472 total membranes). Five of eight cells have had their membranes replaced with four occurring during the current reporting period.

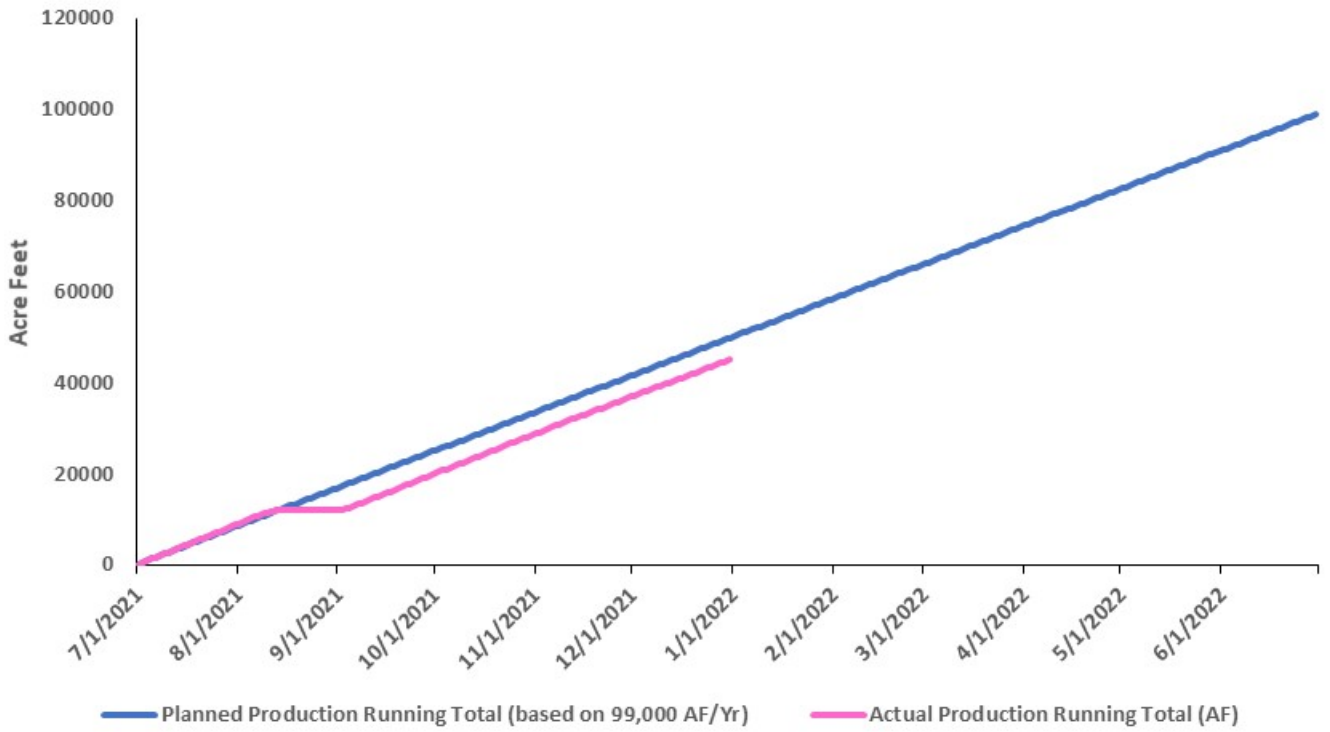
# GWRS ACTUAL PRODUCTION TO TARGET PRODUCTION

Fiscal Year  
July 1, 2021 to June 30, 2022  
103,000 acre feet planned



# GWRS ACTUAL PRODUCTION TO TARGET PRODUCTION

Fiscal Year  
July 1, 2021 to June 30, 2022  
99,000 acre feet planned





## AGENDA ITEM SUBMITTAL

**Meeting Date:** January 10, 2022

**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**

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### 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 Orange County Sanitation District (OC San) Plant No. 2. In addition, updates on construction progress on the Headworks Modification Project and Pipeline Rehabilitation Project will be presented.

### RECOMMENDATION

Informational.

### DISCUSSION/ANALYSIS

The GWRS Final Expansion Project is the build-out capacity of the GWRS facility that treats secondary effluent from OC San 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. OC San/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 OC San must be conveyed to GWRS. With an analysis of average raw wastewater inflows to OC San's two treatment plants, both OC San 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 OC San Plant No. 2 to convey the secondary effluent to GWRS. These conveyance facilities include an effluent pump station, flow equalization tanks 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 OC San 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 OC San 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: - Construction Phase (JF Shea)***

- Pipeline Rehabilitation

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

- OC San Headworks Modification

OCWD is responsible for the costs of all the projects listed above for the GWRS Final Expansion Project. However, OC San is managing the construction of the P2 Headworks Modification Project (P2-122).

The construction phase of Contract 1 was awarded to Shimmick Construction Company, Inc. in the amount of \$199.9 million – 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 and approved additional days added to the contract – the project is scheduled to be complete on March 3, 2023. Current construction activities include electrical and piping work in the the new concrete MF basement structure for the new microfiltration cells part of the Final Expansion. At OC San Plant No. 2, the main work involves pouring the deck for the new pump station and installing the new 84-inch pipeline which will feed the OCWD pump station at P2.

Contract 2 (Pipeline Rehab) was awarded to JF Shea Construction in the amount of \$11.6 million on July 15, 2020. The Notice to Proceed was issued on August 17, 2020 and per the allotted construction duration (with delay allowances due to pipe delivery issues) – the project was scheduled to be complete by December 31, 2021. JF Shea successfully completed all the pipeline slip-lining work of the new Fiberglass Reinforced Polymer (FRP) pipe within the existing 66-inch secondary effluent pipeline and staff is recommending issuing a notice of completion on this project.

The OC San Headworks Modification Project was awarded to Shimmick Construction Co., Inc. at the January 22, 2020 OC San Board of Directors meeting. The Notice to Proceed was issued on March 2, 2020 and per the allotted construction duration – the project is scheduled to be complete on March 8, 2023. Current construction activities include continuing to install slide gates within the headworks; installation and commissioning of second new main sewage pump; and hydraulic testing and backfill of the new 72-inch diversion pipeline.

The approved GWRSE Project budget, which includes all three contracts, is shown in Table 1 below with the expected GWRSE Project Budget shown in the right column.

**Table 1 – Approved GWRSE Project Budget vs Expected Project Budget**

<b>Description</b>	<b>Approved Project Budget</b>	<b>Expected Project Budget</b>
<b>Pre-Design</b>		
Studies/CEQA for GWRSE Projects	\$1,000,000.00	\$890,000
<b>Design Engineering Services</b>		
B&V Design Phase Services (Incl. Amend. Nos. 1, 2, 4, 5)	\$7,356,450	\$7,356,450
B&V Design Services During Construction (Amend. No. 3)	\$6,345,300	\$6,345,300
<b>Construction Management/Inspection</b>		
Butier/Carollo CM Agreement	\$8,500,000	\$8,500,000
Specialty/Materials Construction Inspection	\$1,500,000	\$1,900,000
<b>Total CM and Inspection</b>	<b>\$10,000,000</b>	<b>\$10,400,000</b>
<b>Construction</b>		
Contract 1 - AWTF Expansion; P2 Pump Station & Flow EQ Tank Construction	\$199,942,000	\$191,154,273
Contract 2 - P2 Pipeline Rehabilitation Construction	\$18,000,000	\$11,552,734
<b>Total Construction Phase</b>	<b>\$217,942,000</b>	<b>\$202,707,007</b>
<b>Engineering Support, Legal &amp; Administration</b>		
SPI Agreement (Process Support)	\$792,817	\$792,817
Legal/Admin/Survey/Public Outreach Support	\$2,584,183	\$2,800,000
<b>Total ELA</b>	<b>\$3,377,000</b>	<b>\$3,592,817</b>
Construction Contingency	\$14,283,250	\$12,025,426
OC San Agreement (Headworks Mod/Plant PS)	\$50,000,000	\$48,000,000
<b>TOTAL</b>	<b>\$310,304,000</b>	<b>\$291,317,000</b>
Grant - State Revolving Fund		-\$5,000,000
Grant - Round 1 IRWM (Prop 1)		-\$3,589,553
Grant - USBR Title XVI		-\$1,325,000
<b>Total Net Expected Project Budget</b>		<b>\$281,402,447</b>

The expected GWRSE Project Budget is less than the approved project budget due to the following factors:

- The Microfiltration (MF) System for the GWRSE Project was competitively bid in this phase and due to this process – significant savings in the cost of the MF equipment were achieved
- The Headworks Modification Project bid was significantly lower than the Engineer’s Estimate

- The Pipeline Rehabilitation Project bid was also significantly lower than the Engineer's Estimate

The expected GWRSE Project budget will continue to be tracked for planning purposes. 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. Also, through the SRF Loan application process the GWRSE Project was awarded a total of \$5 million in grants.

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, OC San/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.

The grants described above are also shown on the expected GWRSE Project Budget.

Table 2 below shows the construction completion percentages for each of the project elements (based on expenditures and duration) as of December 31, 2021.

**Table 2 – GWRSE Project Elements Completion Status Table as of December 31, 2021**

<b>GWRSE Project Element</b>	<b>Percent Complete (Expenditures)</b>	<b>Percent Completed (Duration)</b>
AWTF Expansion	82%	65%
P2 Effluent Pump Station	82%	65%
P2 Flow Equalization Tanks	82%	65%
Pipeline Rehabilitation	100%	100%
OCSD Headworks Modification*	75%	60%

*\*Values as of September 19, 2021*

The detailed construction progress criteria for each of the contracts will be presented during this meeting in addition to construction photos and milestones.

**PRIOR BOARD/COMMITTEE ACTIONS**





## AGENDA ITEM SUBMITTAL

**Meeting Date:** January 10, 2022

**To:** GWRS Steering Committee

**From:** Mike Markus

**Staff Contact:** G. Ayala/C. Nettles

**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 FOURTH QUARTER OUTREACH REPORT (OCT. – DEC. 2021)**

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### 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, grow virtual outreach programs, and field media interest and coverage.

#### Attachment(s):

- 2021 fourth quarter news clip report

### RECOMMENDATION

Informational

### DISCUSSION/ANALYSIS

#### Tours:

To facilitate continued GWRS outreach during the COVID-19 pandemic, OCWD implemented a virtual tour program. There were 14 virtual tours and two essential in-person tour during the fourth quarter of 2021. The tours accounted for approximately 297 guests. Following is a list of groups, companies, schools, and organizations that participated in the tours:

- Three public tours
- Three Cal State Long Beach nursing classes
- One joint tour with OCWD and OC San General Managers
- Cal State Long Beach Geography
- Cal State Long Beach Engineering
- Cypress College School of Engineering
- Fieldstead & Co. (*in-person essential*)
- Korean K-Water Engineers (*in-person essential*)
- Irvine Valley College Engineering

- OC Leadership Tomorrow
- University of California Berkeley Engineering
- University of California Irvine Engineering

### **First Quarter 2022 Tours:**

- January 7 – Public tour
- January 10 – Korean K-Water Engineers (*essential in-person*)
- February 4 – Cal Poly Pomona
- February 11 – Public tour
- February 17 – Cal State Long Beach Nursing
- March 4 – Public tour

In addition, a 10-minute [on-demand general tour](#) was created to compliment a previously produced 30-minute [on-demand technical tour](#). The tours are posted to the District's social media channels and have collectively been viewed more than 6,900 times.

### **Speakers Bureau:**

Below is a listing of the October through November 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 2020. Select in-person speakers bureau engagements are being accepted. Virtual speaking engagements continue to be offered.

- October 21 – Principal Engineer Ben Smith presented at the Orange County WaterReuse meeting about a Green Acres Project disinfection study.
- November 3 – Patricia Tennyson spoke on behalf of the District during the session "Developments and Best Practices - Water Reuse Communications" at the Annual Water Treatment Conference.
- December 1 – Sandy Scott-Roberts presented on water recycling at the virtual UCI CEE Affiliates Symposium.

### **Media**

There were 64 global news hits for the GWRS. This number reflects multiple hits of the same story. The total reach for the combined articles was 79.7 million. The news clip report is attached.

### **Electronic Publications and Videos:**

- Staff updated the GWRS technical brochure:
  - [GWRS Technical Brochure 2021](#)

- Staff wrote and distributed the October, November and December issues of Hydrospectives, OCWD's monthly e-newsletter, which mention or feature articles about the GWRS:
  - [Hydrospectives October 2021](#)
  - [Hydrospectives November 2021](#)
  - [Hydrospectives December 2021](#)
  
- Staff posted two videos to YouTube, which mention or feature the GWRS:
  - [2021 Water Forecast](#)
  - [2021 Year in Review](#)

**Website:**

- There were 9,886 views of the GWRS portion of OCWD's website (3,000+ more views than last quarter). The top three web pages within the GWRS section of the website were: 1) GWRS, 2) the process, 3) frequently asked questions. These views relate to external traffic and do not include internal OCWD views.

**INDUSTRY | GWRS | US**  
**OCTOBER - DECEMBER 2021**

	Date	Source	Headline	Country	URL	Reach
1	14-Dec-2021	Civil + Structural Engineer	PURE WATER OCEANSIDE HOSTS MINISTER FOR THE ENVIRONMENT OF DENMARK AND WATER TECHNOLOGY ALLIANCES - Civil + Structural Engineer magazine	United States	<a href="https://cengineermag.com/pure-water-oceanside-hosts-minister-for-the-environment-of-denmark-and-water-technology-alliances/">https://cengineermag.com/pure-water-oceanside-hosts-minister-for-the-environment-of-denmark-and-water-technology-alliances/</a>	33,127
2	09-Dec-2021	The San Diego Union-Tribune	Environmental leaders from Denmark visit Oceanside's water recycling plant	United States	<a href="https://www.sandiegouniontribune.com/north-county-community-news/story/2021-12-09/environmental-leaders-from-denmark-visit-oceansides-water">https://www.sandiegouniontribune.com/north-county-community-news/story/2021-12-09/environmental-leaders-from-denmark-visit-oceansides-water</a>	2,389,177
3	08-Dec-2021	PublicCEO	Pure Water Oceanside hosts Minister for the Environment of Denmark and Water Technology Alliances to sign water collaboration agreement	United States	<a href="https://www.publicceo.com/2021/12/pure-water-oceanside-hosts-minister-for-the-environment-of-denmark-and-water-technology-alliances-to-sign-water-collaboration-agreement/">https://www.publicceo.com/2021/12/pure-water-oceanside-hosts-minister-for-the-environment-of-denmark-and-water-technology-alliances-to-sign-water-collaboration-agreement/</a>	5,548
4	08-Dec-2021	WaterWorld	Officials sign California-Denmark water collaboration agreement	United States	<a href="https://www.waterworld.com/international/potable-water/press-release/14215233/officials-sign-californiadenmark-water-collaboration-agreement">https://www.waterworld.com/international/potable-water/press-release/14215233/officials-sign-californiadenmark-water-collaboration-agreement</a>	63,591
5	07-Dec-2021	The Vista Press	City Of Oceanside -Water Technology Day 2021	United States	<a href="http://www.thevistapress.com/city-of-oceanside-water-technology-day-2021/">http://www.thevistapress.com/city-of-oceanside-water-technology-day-2021/</a>	13,820
6	06-Dec-2021	City of Oceanside CA	Pure Water Oceanside Hosts Minister of Denmark	United States	<a href="https://www.ci.oceanside.ca.us/news/displaynews.asp?NewsID=2055&amp;TargetID=1">https://www.ci.oceanside.ca.us/news/displaynews.asp?NewsID=2055&amp;TargetID=1</a>	69,386

**INDUSTRY | GWRS | US**  
**OCTOBER - DECEMBER 2021**

	Date	Source	Headline	Country	URL	Reach
7	24-Nov-2021	Water & Wastes Digest	Hidden Resources: Wastewater Recovery & Reuse	United States	<a href="https://www.wwdmag.com/hidden-resources-wastewater-recovery-reuse">https://www.wwdmag.com/hidden-resources-wastewater-recovery-reuse</a>	61,785
8	29-Oct-2021	Orange Juice Blog	Poseidon – Dire Lessons, for OC, from Carlsbad.	United States	<a href="https://www.orangejuiceblog.com/2021/10/poseidon-dire-lessons-for-oc-from-carlsbad/">https://www.orangejuiceblog.com/2021/10/poseidon-dire-lessons-for-oc-from-carlsbad/</a>	4,454
9	26-Oct-2021	967 The Wolf - Lifestyle	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://lifestyle.967thewolf.net/story/45051955/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">https://lifestyle.967thewolf.net/story/45051955/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water</a>	938
10	26-Oct-2021	3BL Media News - The Living Future Institute	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://living-future.org/3bl-media-news/?mid=351186&amp;pgno=1&amp;fdpgno=1">https://living-future.org/3bl-media-news/?mid=351186&amp;pgno=1&amp;fdpgno=1</a>	40,408
11	26-Oct-2021	WHLF-FM - Lifestyle	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://lifestyle.953hlf.com/story/45051955/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">https://lifestyle.953hlf.com/story/45051955/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water</a>	322
12	26-Oct-2021	Fat Pitch Financials - FinancialContent	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="http://quotes.fatpitchfinancials.com/fatpitchfinancials/news/read/41928235/black_&amp;_veatch_to_help_northern_california_water_district_replenish_stressed_groundwater_basin_with_purified_recycled_water">http://quotes.fatpitchfinancials.com/fatpitchfinancials/news/read/41928235/black_&amp;_veatch_to_help_northern_california_water_district_replenish_stressed_groundwater_basin_with_purified_recycled_water</a>	802

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	Date	Source	Headline	Country	URL	Reach
13	26-Oct-2021	MarketWatch	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://www.marketwatch.com/press-release/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water-2021-10-26-91571532">https://www.marketwatch.com/press-release/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water-2021-10-26-91571532</a>	21,091,169
14	26-Oct-2021	US983 - Lifestyle	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://lifestyle.us983.com/story/45051955/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">https://lifestyle.us983.com/story/45051955/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water</a>	510
15	26-Oct-2021	Yahoo! Finance	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://finance.yahoo.com/news/black-veatch-help-northern-california-130317214.html">https://finance.yahoo.com/news/black-veatch-help-northern-california-130317214.html</a>	45,550,049
16	26-Oct-2021	The Argus-Press	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://www.argus-press.com/news/national/article_fdc89eef-2761-5c29-a10f-3d78cff43d51.html">https://www.argus-press.com/news/national/article_fdc89eef-2761-5c29-a10f-3d78cff43d51.html</a>	38,054
17	26-Oct-2021	The Bakersfield Californian	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://www.bakersfield.com/ap/news/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled/article_db065008-4141-5cef-abd0-c6733661e1f3.html">https://www.bakersfield.com/ap/news/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled/article_db065008-4141-5cef-abd0-c6733661e1f3.html</a>	403,741

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	Date	Source	Headline	Country	URL	Reach
18	26-Oct-2021	The Inyo Register - Financial Content	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://markets.financialcontent.com/inyoregister/news/read/41928123/black-&amp;-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">https://markets.financialcontent.com/inyoregister/news/read/41928123/black &amp; veatch to help northern california water district replenish stressed groundwater basin with purified recycled water</a>	66,303
19	26-Oct-2021	The One Observer News Enterprise - FinancialContent	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://markets.financialcontent.com/observernewsonline/news/read/41928123/black-&amp;-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">https://markets.financialcontent.com/observernewsonline/news/read/41928123/black &amp; veatch to help northern california water district replenish stressed groundwater basin with purified recycled water</a>	66,303
20	26-Oct-2021	The Kane Republican - FinancialContent	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="http://business.kanerepublican.com/kanerepublican/news/read/41928123/black-&amp;-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">http://business.kanerepublican.com/kanerepublican/news/read/41928123/black &amp; v eatch to help northern california water district replenish stressed groundwater b asin with purified recycled water</a>	175
21	26-Oct-2021	3BL Media	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://www.3blmedia.com/news/black-veatch-help-northern-california-water-district-replenish-stressed-groundwater-basin">https://www.3blmedia.com/news/black-veatch-help-northern-california-water-district-replenish-stressed-groundwater-basin</a>	41,128
22	26-Oct-2021	The Buffalo News - FinancialContent	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="http://markets.buffalonews.com/buffnews/news/read/41928123/black-&amp;-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">http://markets.buffalonews.com/buffnews/news/read/41928123/black &amp; veatch to help northern california water district r eplenish stressed groundwater basin wit h purified recycled water</a>	4,814



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	Date	Source	Headline	Country	URL	Reach
23	26-Oct-2021	Rockford Register Star - FinancialContent	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://markets.financialcontent.com/gatehouse.rrstar/news/read/41928123/black-&amp;-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">https://markets.financialcontent.com/gatehouse.rrstar/news/read/41928123/black &amp; veatch to help northern california water district replenish stressed groundwater basin with purified recycled water</a>	66,303
24	26-Oct-2021	Newsok - FinancialContent	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="http://stocks.newsok.com/newsok/news/read/41928123/black-&amp;-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">http://stocks.newsok.com/newsok/news/read/41928123/black &amp; veatch to help northern california water district replenish stressed groundwater basin with purified recycled water</a>	1,538
25	26-Oct-2021	Intelligent Value - Financial Content	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://markets.financialcontent.com/jsonline/news/read/41928123/black-&amp;-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">https://markets.financialcontent.com/jsonline/news/read/41928123/black &amp; veatch to help northern california water district replenish stressed groundwater basin with purified recycled water</a>	66,303
26	26-Oct-2021	Borger News Herald	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="http://business.borgernewsherald.com/borgernewsherald/news/read/41928123/black-&amp;-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">http://business.borgernewsherald.com/borgernewsherald/news/read/41928123/black &amp; veatch to help northern california water district replenish stressed groundwater basin with purified recycled water</a>	480
27	26-Oct-2021	The Decatur Daily Democrat - FinancialContent	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="http://business.decaturdailydemocrat.com/decaturdailydemocrat/news/read/41928123/black-&amp;-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">http://business.decaturdailydemocrat.com/decaturdailydemocrat/news/read/41928123/black &amp; veatch to help northern california water district replenish stressed groundwater basin with purified recycled water</a>	131

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	Date	Source	Headline	Country	URL	Reach
28	26-Oct-2021	FinancialContent	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://markets.financialcontent.com/malvern-online/news/read/41928123/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">https://markets.financialcontent.com/malvern-online/news/read/41928123/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water</a>	66,303
29	26-Oct-2021	Walnut Creek Guide - PR	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="http://finance.walnutcreekguide.com/cammedia.walnutcreekguide/news/read/41928235/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">http://finance.walnutcreekguide.com/cammedia.walnutcreekguide/news/read/41928235/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water</a>	422
30	26-Oct-2021	Benzinga	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://www.benzinga.com/pressreleases/21/10/b23556838/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-">https://www.benzinga.com/pressreleases/21/10/b23556838/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-</a>	4,731,825
31	26-Oct-2021	Financial Content	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://markets.financialcontent.com/theantlersamerican/news/read/41928123/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">https://markets.financialcontent.com/theantlersamerican/news/read/41928123/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water</a>	66,303
32	26-Oct-2021	FinancialContent	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://markets.financialcontent.com/sandiego/news/read/41928123/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">https://markets.financialcontent.com/sandiego/news/read/41928123/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water</a>	66,303

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	Date	Source	Headline	Country	URL	Reach
33	26-Oct-2021	Intelligent Value - Financial Content	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://markets.financialcontent.com/ms.intelvalue/news/read/41928123/black-&amp;-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">https://markets.financialcontent.com/ms.intelvalue/news/read/41928123/black &amp; v eatch to help northern california water district replenish stressed groundwater b asin with purified recycled water</a>	66,303
34	26-Oct-2021	The Kane Republican- Financial Content	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://markets.financialcontent.com/kane-republican/news/read/41928123/black-&amp;-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">https://markets.financialcontent.com/kane republican/news/read/41928123/black &amp; veatch to help northern california water district replenish stressed groundwater basin with purified recycled water</a>	66,303
35	26-Oct-2021	Wapakoneta Daily News - FinancialContent	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://markets.financialcontent.com/wapakdailynews/news/read/41928123/black-&amp;-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">https://markets.financialcontent.com/wap akdailynews/news/read/41928123/black &amp; veatch to help northern california wa ter district replenish stressed groundwat er basin with purified recycled water</a>	66,303
36	26-Oct-2021	Justmeans	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="http://justmeans.com/press-release/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater">http://justmeans.com/press-release/black- veatch-to-help-northern-california-water- district-replenish-stressed-groundwater</a>	7,251
37	26-Oct-2021	Starkville Daily News - FinancialContent	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="http://business.starkvilledailynews.com/starkvilledailynews/news/read/41928123/black-&amp;-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">http://business.starkvilledailynews.com/sta rkvilledailynews/news/read/41928123/blac k &amp; veatch to help northern california water district replenish stressed ground water basin with purified recycled water</a>	522

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	Date	Source	Headline	Country	URL	Reach
38	26-Oct-2021	Observer Reporter-FinancialContent	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="http://stocks.observer-reporter.com/observerreporter/news/read/41928123/black%20%26%20veatch%20to%20help%20northern%20california%20water%20district%20replenish%20stressed%20groundwater%20basin%20with%20purified%20recycled%20water">http://stocks.observer-reporter.com/observerreporter/news/read/41928123/black &amp; veatch to help northern california water district replenish stressed groundwater basin with purified recycled water</a>	372
39	26-Oct-2021	The RIDGWAY Record - FinancialContent	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://markets.financialcontent.com/ridgwayrecord/news/read/41928123/black%20%26%20veatch%20to%20help%20northern%20california%20water%20district%20replenish%20stressed%20groundwater%20basin%20with%20purified%20recycled%20water">https://markets.financialcontent.com/ridgwayrecord/news/read/41928123/black &amp; veatch to help northern california water district replenish stressed groundwater basin with purified recycled water</a>	66,303
40	26-Oct-2021	Morning News - FinancialContent	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="http://business.am-news.com/am-news/news/read/41928123/black%20%26%20veatch%20to%20help%20northern%20california%20water%20district%20replenish%20stressed%20groundwater%20basin%20with%20purified%20recycled%20water">http://business.am-news.com/am-news/news/read/41928123/black &amp; veatch to help northern california water district replenish stressed groundwater basin with purified recycled water</a>	950
41	26-Oct-2021	The Buffalo News - FinancialContent	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://markets.financialcontent.com/buffnews/news/read/41928123/black%20%26%20veatch%20to%20help%20northern%20california%20water%20district%20replenish%20stressed%20groundwater%20basin%20with%20purified%20recycled%20water">https://markets.financialcontent.com/buffnews/news/read/41928123/black &amp; veatch to help northern california water district replenish stressed groundwater basin with purified recycled water</a>	66,303
42	26-Oct-2021	Losaltos - Fiancial content	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="http://finance.losaltos.com/camedia.losaltos/news/read/41928123/black%20%26%20veatch%20to%20help%20northern%20california%20water%20district%20replenish%20stressed%20groundwater%20basin%20with%20purified%20recycled%20water">http://finance.losaltos.com/camedia.losaltos/news/read/41928123/black &amp; veatch to help northern california water district replenish stressed groundwater basin with purified recycled water</a>	149

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	Date	Source	Headline	Country	URL	Reach
43	26-Oct-2021	myMotherLode.com - FinancialContent	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://markets.financialcontent.com/clarkbroadcasting.mymotherlode/news/read/41928123/black-&amp;-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">https://markets.financialcontent.com/clarkbroadcasting.mymotherlode/news/read/41928123/black &amp; veatch to help northern california water district replenish stressed groundwater basin with purified recycled water</a>	66,303
44	26-Oct-2021	The Valley City Times Record - FinancialContent	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="http://business.times-online.com/times-online/news/read/41928123/black-&amp;-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">http://business.times-online.com/times-online/news/read/41928123/black &amp; veatch to help northern california water district replenish stressed groundwater basin with purified recycled water</a>	763
45	26-Oct-2021	National Diversity Council	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="http://www.nationaldiversitycouncil.org/media/3bl-media-news/?mid=351186&amp;pgno=1&amp;fdpgno=1">http://www.nationaldiversitycouncil.org/media/3bl-media-news/?mid=351186&amp;pgno=1&amp;fdpgno=1</a>	1,854
46	26-Oct-2021	Business Wire	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://www.businesswire.com/news/home/20211026005176/en/Black-Veatch-to-Help-Northern-California-Water-District-Replenish-Stressed-Groundwater-Basin-with-Purified-Recycled-Water">https://www.businesswire.com/news/home/20211026005176/en/Black-Veatch-to-Help-Northern-California-Water-District-Replenish-Stressed-Groundwater-Basin-with-Purified-Recycled-Water</a>	253,492
47	26-Oct-2021	The Sweetwater Reporter - FinancialContent	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="http://business.sweetwaterreporter.com/sweetwaterreporter/news/read/41928235/black-&amp;-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">http://business.sweetwaterreporter.com/sweetwaterreporter/news/read/41928235/black &amp; veatch to help northern california water district replenish stressed groundwater basin with purified recycled water</a>	1,164

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	Date	Source	Headline	Country	URL	Reach
48	26-Oct-2021	Market Screener	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://www.marketscreener.com/news/latest/Black-Veatch-to-Help-Northern-California-Water-District-Replenish-Stressed-Groundwater-Basin-with--36786094/">https://www.marketscreener.com/news/latest/Black-Veatch-to-Help-Northern-California-Water-District-Replenish-Stressed-Groundwater-Basin-with--36786094/</a>	1,428,717
49	26-Oct-2021	Burlingame	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="http://finance.burlingame.com/camedia.burlingame/news/read/41928235/black_&amp;_veatch_to_help_northern_california_water_district_replenish_stressed_groundwater_basin_with_purified_recycled_water">http://finance.burlingame.com/camedia.burlingame/news/read/41928235/black_&amp;_veatch_to_help_northern_california_water_district_replenish_stressed_groundwater_basin_with_purified_recycled_water</a>	927
50	26-Oct-2021	Townhall Finance - FinancialContent	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://markets.financialcontent.com/townhall/news/read/41928235/black_&amp;_veatch_to_help_northern_california_water_district_replenish_stressed_groundwater_basin_with_purified_recycled_water">https://markets.financialcontent.com/townhall/news/read/41928235/black_&amp;_veatch_to_help_northern_california_water_district_replenish_stressed_groundwater_basin_with_purified_recycled_water</a>	66,303
51	26-Oct-2021	Value Investing News - FinancialContent	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://markets.financialcontent.com/fatpitch.valueinvestingnews/news/read/41928235/black_&amp;_veatch_to_help_northern_california_water_district_replenish_stressed_groundwater_basin_with_purified_recycled_water">https://markets.financialcontent.com/fatpitch.valueinvestingnews/news/read/41928235/black_&amp;_veatch_to_help_northern_california_water_district_replenish_stressed_groundwater_basin_with_purified_recycled_water</a>	66,303
52	26-Oct-2021	Deer Park Tribune - FinancialContent	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="http://business.dptribune.com/dptribune/news/read/41928235/black_&amp;_veatch_to_help_northern_california_water_district_replenish_stressed_groundwater_basin_with_purified_recycled_water">http://business.dptribune.com/dptribune/news/read/41928235/black_&amp;_veatch_to_help_northern_california_water_district_replenish_stressed_groundwater_basin_with_purified_recycled_water</a>	184

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	Date	Source	Headline	Country	URL	Reach
53	26-Oct-2021	The Pilot News - FinancialContent	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="http://business.thepilotnews.com/thepilotnews/news/read/41928235/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">http://business.thepilotnews.com/thepilotnews/news/read/41928235/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water</a>	501
54	26-Oct-2021	The Post and Mail - FinancialContent	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="http://business.thepostandmail.com/thepostandmail/news/read/41928235/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">http://business.thepostandmail.com/thepostandmail/news/read/41928235/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water</a>	752
55	26-Oct-2021	The Saline Courier - FinancialContent	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="http://business.bentoncourier.com/bentoncourier/news/read/41928235/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">http://business.bentoncourier.com/bentoncourier/news/read/41928235/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water</a>	554
56	26-Oct-2021	The Observer News Enterprise - FinancialContent	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="http://business.observernews.com/observernews/news/read/41928235/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">http://business.observernews.com/observernews/news/read/41928235/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water</a>	250
57	26-Oct-2021	Malvern Daily Record - FinancialContent	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="http://business.malvern-online.com/malvern-online/news/read/41928235/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">http://business.malvern-online.com/malvern-online/news/read/41928235/black-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water</a>	120

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	Date	Source	Headline	Country	URL	Reach
58	26-Oct-2021	The Newport Daily Express - FinancialContent	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="http://business.newportvermontdailyexpress.com/newportvermontdailyexpress/news/read/41928235/black-&amp;-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">http://business.newportvermontdailyexpress.com/newportvermontdailyexpress/news/read/41928235/black &amp; veatch to help northern california water district replenish stressed groundwater basin with purified recycled water</a>	366
59	26-Oct-2021	San Anselmo	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="http://finance.sananselmo.com/camedia.sananselmo/news/read/41928235/black-&amp;-veatch-to-help-northern-california-water-district-replenish-stressed-groundwater-basin-with-purified-recycled-water">http://finance.sananselmo.com/camedia.sananselmo/news/read/41928235/black &amp; veatch to help northern california water district replenish stressed groundwater basin with purified recycled water</a>	289
60	25-Oct-2021	Black & Veatch	Black & Veatch to Help Northern California Water District Replenish Stressed Groundwater Basin with Purified Recycled Water	United States	<a href="https://www.bv.com/news/black-veatch-help-northern-california-water-district-replenish-stressed-groundwater-basin">https://www.bv.com/news/black-veatch-help-northern-california-water-district-replenish-stressed-groundwater-basin</a>	82,685
61	22-Oct-2021	Stu News Newport	Mesa Water District formally supports to increase the state's water supply	United States	<a href="https://stunewsnewport.com/index.php/2-uncategorised/12287-mesa-water-district-formally-supports-102221?tmpl=component&amp;print=1">https://stunewsnewport.com/index.php/2-uncategorised/12287-mesa-water-district-formally-supports-102221?tmpl=component&amp;print=1</a>	9,640
62	19-Oct-2021	SP Global Ratings	How The Western States Plan Is Critical To Ratings As Colorado River Flows Slow To A Trickle	United States	<a href="https://www.spglobal.com/ratings/en/research/articles/211018-how-the-western-states-plan-is-critical-to-ratings-as-colorado-river-flows-slow-to-a-trickle-12140169">https://www.spglobal.com/ratings/en/research/articles/211018-how-the-western-states-plan-is-critical-to-ratings-as-colorado-river-flows-slow-to-a-trickle-12140169</a>	27,343
63	10-Oct-2021	Long Beach Press-Telegram	Police decertification for misconduct is a good idea: Letters	United States	<a href="https://www.presstelegram.com/2021/10/10/police-decertification-for-misconduct-is-a-good-idea-letters/">https://www.presstelegram.com/2021/10/10/police-decertification-for-misconduct-is-a-good-idea-letters/</a>	267,717



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	Date	Source	Headline	Country	URL	Reach
64	10-Oct-2021	Orange County Register	Police decertification for misconduct is a good idea: Letters	United States	<a href="https://www.ocregister.com/2021/10/10/police-decertification-for-misconduct-is-a-good-idea-letters/">https://www.ocregister.com/2021/10/10/police-decertification-for-misconduct-is-a-good-idea-letters/</a>	2,103,041
<b>TOTAL REACH</b>						<b>79,731,542</b>