

**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, January 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.

PLEDGE OF ALLEGIANCE

ROLL CALL

ANNUAL REORGANIZATION OF COMMITTEE OFFICERS

- Election of Chairman (OCWD)
- Election of Vice Chair (OCSD)

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 14, 2019 GWRS Steering Committee meeting as presented

END OF CONSENT CALENDAR

INFORMATIONAL ITEMS

2. GWRS OPERATIONS UPDATE
3. UPDATE ON GWRS FINAL EXPANSION PROJECT

4. QUARTERLY OUTREACH REPORT [OCTOBER-DECEMBER 2019]

DIRECTORS' ANNOUNCEMENTS/REPORTS

GENERAL MANAGERS' REPORT

- Next GWRS Steering Committee Meeting – April 13, 2020

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

ADJOURNMENT

2019 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.

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 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. 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 14, 2019**

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 (absent)

Alternates

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

OCWD Directors Bilodeau, Brandman and Rowe were in attendance.

OCWD Staff	OCSD Staff
Mike Markus, Sandy Scott-Roberts	Jim Herberg, Jennifer Cabral
Christina Fuller, Assistant District Secretary	

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, Ferryman, Shaw, Ta*

1. Minutes of Previous Meeting

The minutes of the GWRS Steering Committee meeting held July 8, 2019 are approved as presented.

INFORMATIONAL ITEMS

2. GWRS Operations Update

GWRS Program Manager Sandy Scott-Roberts reported that the average daily production for the quarter, July through September, was 91 mgd. She advised that the average production was lower than normal due to maintenance activities at OCSD that limited flow to the GWRS. She stated that as of September 30, 2019, the GWRS Fiscal Year to Date production total is 25,644 af which is 318 af below the target production running average of 25,962 af for the 2019-2020 fiscal year.

3. Update on GWRS Final Expansion

Ms. Scott-Roberts reported that construction bids on the GWRS Final Expansion Project were received and opened on July 23, 2019. She stated that Shimmick Construction Company was awarded the project on September 4, 2019 and the project budget was revised. Ms. Scott-Roberts reported that the Notice to Proceed will be issued on November 2, 2019.

She advised that the design for Contract 2, the Pipeline Rehabilitation Project, is scheduled to be complete at the end of 2019.

4. Quarterly Outreach Report [August– September 2019]

Orange County Sanitation District representative Jennifer Cabral stated the report is contained in the packet and provided details of the upcoming GWRS Groundbreaking event to be held on November 8th.

ADJOURNMENT

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

OCSD Director David Shawver, Chair

AGENDA ITEM SUBMITTAL

Meeting Date: January 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 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 July through September 2019 was 92 mgd. The average production was lower than normal due to OCSD collection system capital improvement project P2-72B that limited flow to the GWRS. However, this project will eventually improve flows to GWRS by up to 8 mgd when completed in the last quarter of 2020. In addition, production was limited for three days (December 19-21) due to a leak on the GWRS distribution pipeline that required an emergency repair. This repair work limited production to the seawater intrusion barrier only.

The GWRS effluent production for the months of October through December 2019 is shown in the following tables:

**GWRS EFFLUENT PRODUCTION
(October – December 2018)**

	October 2019 (million gallons)	October 2019 (acre feet)
Mira Loma, Kraemer/Miller Basin Recharge, Mid Basin Injection, Artic, and Canyon Power	2,038	6,257
Seawater Intrusion Barrier	755	2,318
Total	2,793	8,575

	November 2019 (million gallons)	November 2019 (acre feet)
Mira Loma, Kraemer/Miller Basin, Recharge, Mid Basin Injection, Artic and Canyon Power	2,190	6,726
Seawater Intrusion Barrier	671	2,059
Total	2,861	8,785

	December 2019 (million gallons)	December 2019 (acre feet)
Mira Loma, Kraemer/Miller Basin Recharge, Mid Basin Injection, Artic and Canyon Power	2,235	6,864
Seawater Intrusion Barrier	575	1,764
Total	2,810	8,628

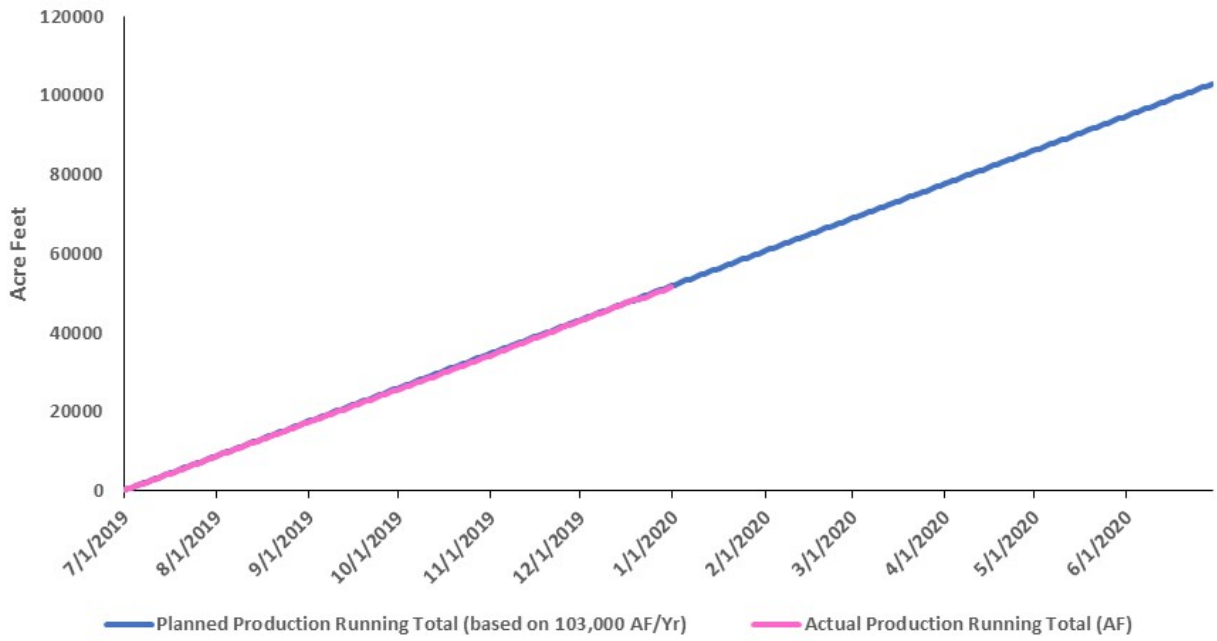
The following graph shows the 2019/2020 fiscal year production compared to the fiscal year production target of 103,000 acre feet (af). As of December 31, 2019, the GWRS Fiscal Year 2019-2020 production total is 51,631 af which is 294 af below our target production running average of 51,925 af for the 2019-2020 fiscal year.

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: January 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

Contract 1 of the GWRS Final Expansion Project has been awarded to Shimmick Construction Company to expand the Advanced Water Treatment Facility and construct the GWS pump station and flow equalization tanks at OCSD Plant No. 2. The Notice to Proceed for this contract was issued on November 2, 2019.

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

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

CONTRACT 2: - Design Phase

- Pipeline Rehabilitation

CONTRACT 3: - Bid Phase

- 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 design of the Headworks Modification Project is complete and the project was advertised for construction bid on October 10, 2019. Bids were opened on December 17, 2019. The recommended award of the OCSD Headworks Modification Project will be presented at the January 22nd OCSD Board of Directors meeting.

OCWD is in construction with Contract 1 – which includes the AWTF Expansion, P2 Pump Station, and the P2 Flow Equalization Tanks. The contract was awarded to Shimmick Construction Co. and a Notice to Proceed was issued on November 2, 2019. Per the contract – the project will be complete on February 14, 2023.

Black & Veatch is currently completing the design for Contract 2 – which is for the Pipeline Rehabilitation Project. This project is scheduled to be advertised for bid in Summer of 2020 with a construction duration of approximately 1 year.

The Microfiltration (MF) system supplier for Contract 1 of the GWRSFE Project had not yet been assigned when the project was awarded to Shimmick Construction Co. OCWD staff was still testing two potential MF modules for use on the project when the project was bid and therefore delayed the award of the MF system supplier. After over one year of pilot testing various MF modules at OCSD Plant No. 2 and nearly one year of demonstration testing two modules on the GWRS facility at 4.5 MGD capacity each, OCWD awarded the MF system supplier contract to Evoqua at the December 18 Board of Directors meeting. With the ability to cost competitively bid out two potential MF suppliers, OCWD realized substantial cost savings on the MF modules to be provided as part of the project. These cost savings will be applied to the GWRSFE Project Budget.

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

Table 1 – GWRSFE Project Budget

Description	Project Budget
Pre-Design	
Studies/CEQA for GWRSFE Projects	\$1,000,000
Design	
Design Phase Engineering Services	
B&V Agreement (Design & Construction Engineering Services)	\$13,663,900
Construction	
GWRSFE 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
Engineering, Legal & Administration	
GWRSFE Projects	\$3,377,000
Contingency	
GWRSFE Construction/Project Contingency	\$11,921,100
OCSD Project	
OCSD Headworks Modification Project	<u>\$50,000,000</u>
TOTAL	\$310,304,000

Table 2 below shows the expenditures on the design effort versus the actual level of effort complete for each of the project elements. Since the construction phase of Contract 1 just recently began – there is not yet a comprehensive project schedule completion versus expenditures comparison. This will be presented at the next GWRS steering committee meeting.

Table 2 – GWRSFE Project Elements Completion Status Table

GWRSFE Project Element	Percent Complete Expenditures¹	Percent Complete Effort¹
AWTF Expansion	100%	100%
P2 Effluent Pump Station	100%	100%
Pipeline Rehabilitation	90%	90%
P2 Flow Equalization Tanks	100%	100%
OCSD Headworks Modification	100%	100%

(1) Values as of December 2019

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. OCSD/OCWD staff applied for the second round of USBR Title XVI grants for the P2-122 project in Summer of 2018. Staff was notified that grant funding for the P2-122 project was not awarded in the second round however staff was encouraged to apply for the third round. OCSD/OCWD staff submitted an application for grant funding for the third round of USBR Title XVI grants.

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. OCWD is also applying for Prop 1 grants from the IRWM grant program managed by the California Department of Water Resources. OCWD was notified that we were preliminarily selected for funding however the funding amount has not yet been confirmed. OCWD is also slated to receive the remaining funds required for the project from the State Revolving Fund (SRF) Loan.

PRIOR BOARD/COMMITTEE ACTIONS

AGENDA ITEM SUBMITTAL

Meeting Date: January 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

POLICY ISSUE: GWRS QUARTERLY OUTREACH REPORT (OCTOBER – DECEMBER 2019)

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):

- 2019 fourth quarter news clip report

RECOMMENDATION

Informational

DISCUSSION/ANALYSIS

Tours:

There were approximately 46 tours during the fourth quarter of 2019. The tours accounted for approximately 1,200 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.

- Six groups from California State University, Long Beach (CSULB)
- Four groups from California State University, Fullerton (CSUF)
- Three public tours
- Two groups from the Chinese Academy of Urban Planning
- Two groups from Taft Elementary School (NGWL)
- OC Credit Union
- Orange County Supervisor Doug Chaffee
- Santa Ana College
- Vanguard University
- Edison High School
- Busan Metropolitan Water Authority of South Korea
- City of Newport Beach Mayor

- Irvine Ranch Water District Leadership Tomorrow
- Early College High School
- University California, Riverside
- Shaanxi Water Group, China
- Director of Water Department (CESPT) for the State of Baja California
- State Water Resources Control Board
- Orange Coast College
- Loara High School
- Wells Fargo
- Hydranautics
- Basset Adult Education
- Costa Mesa Sanitation District
- Liveable Water Solutions, Australia
- Citrus College
- Los Alamitos High School
- University of California, Irvine (UCI)
- Irvine Valley College
- St. Simon & Jude Catholic School
- Triad Engineering
- Talbert Middle School (NGWL)
- Buena Park Jr. High (NGWL)
- Fitz Intermediate School (NGWL)

First Quarter 2020 Tours:

- Public tour, January 3, February 7 & March 6
- Buena Park Intermediate, January 7 (NGWL)
- Orange County Coastkeeper with Estancia High School, January 9
- Safron Passenger, January 10
- Dana Hills High School, January 10 & 15
- Goals Academy, January 14
- ERDT Chinese Exchange Program, January 20, 22, 23 & February 5, 7, 11, 12
- Santa Ana Valley High School, January 21
- DeMille Intermediate, January 24 (NGWL)
- Orange County Coastkeeper with Rancho Los Alamitos, January 29
- Vista Heritage Global Academy, February 3 & 4 (NGWL)
- Water Education for Elected Leaders (WELL), February 7
- Talbert Middle School, February 11 (NGWL)
- Orange County Coastkeeper with Godinez High School, February 18
- UCI Continuing Education, February 18
- Huntington Beach High School, February 21 & 28
- Godinez High School, February 24
- Orange County Coastkeeper with Santiago High School, February 25
- Godinez High School, March 3 (NGWL)
- Vanguard University, March 4
- CSUF, March 5
- University of San Francisco, March 6
- Congregation B'nai Tzedek, March 10
- Menendez Intermediate (NGWL), March 11

- Columbus Middle School (NGWL), March 12
- Orange County Coast Keeper with Troy High School, March 13

Speakers Bureau:

Below is a listing of the October through December speakers' bureau engagements that included a portion of the presentation about the GWRS.

- John Kennedy spoke about the District at the Southern California Building Industry Association conference in Temecula on October 23. John participated on a water panel with Jeff Kightlinger of the Metropolitan Water District of Southern California, Paul Jones of Eastern Municipal Water District and Joone Lopez of Moulton Niguel Water District.
- Eleanor Torres participated in a Reuse Leaders Forum panel at World Water-Tech North America Summit on October 28. She also helped facilitate a breakout session about communications. Gina Ayala assisted.
- Mike Markus participated in a panel about indirect and direct reuse at the World Water-Tech North America Summit on October 29.
- Gina Ayala staffed an informational table at the CASA Los Angeles event on November 2 and distributed GWRS bottled water to more than 700 people.
- Lee Yoo and Prem Parmar presented at the American Water Works Association Water Quality Technology Conference in Texas on November 6. The presentation topic was "Analytical Advantages and Validation of Triple Quadrupole MS for the Determination of N- Nitrosamines in Water Reuse Process."
- Roy Herndon provided a presentation about OCWD's seawater intrusion barrier at a meeting of the Groundwater Resources Association, San Diego, on November 4.
- Bill Hunt provided a presentation about water reclamation to a group of environmental engineering students from Cal Poly Pomona on December 6.

First Quarter 2020 Speakers Bureau:

- California Water Environment Association Conference, January 28
- WateReuse California Conference, March 16-17

Events:

- On October 24, OCWD hosted its annual Groundwater Adventure Tour. President Sarmiento provided welcoming remarks and Mehul Patel gave a presentation about the GWRS. GWRS tours were provided by Mehul, Sandy Scott-Roberts and Ben Smith. Director Zahra participated on the tour and he along, with Directors Green and Brandman made welcoming remarks during the luncheon portion of the day. John Kennedy provided a presentation regarding Orange County's water supply. John, Greg Woodside and Bill Hunt staffed each of the three buses and served as a

tour guide for the day-long event. OCWD staff from the laboratory and natural resources departments also helped provide tours and lead activities.

- On November 8, the GWRS Final Expansion groundbreaking event was hosted and attended by nearly 250 guests including OCWD and OCSD staff and board members, industry professionals, media, and project stakeholders. The program included speakers from OCWD, OCSD, the State Water Resources Control Board, U.S. Environmental Protection Agency, Assembly Members Sharon Quirk-Silva and Steven Choi, and Orange County Supervisor Doug Chaffee. Staff from various elected officials' offices were also in attendance to present resolutions.

Media

There were 141 global news hits for the GWRS. This number reflects multiple hits of the same story. The total reach for the combined articles was approximately 94.2 million. The news clip report is attached.

Press Releases, Electronic Publications and Videos:

- During the fourth quarter of 2019, OCWD issued the following press releases that mentioned or featured the GWRS:
 - [OCWD Wins AMWA Gold Award for Exceptional Utility Performance](#)
 - [OCWD and OCSD Break Ground on Project That Recycles 100% of Available Wastewater Flows Into Drinking Water For 1 Million People](#)
 - [OCWD Receives Leading Utility of the World Status](#)
- 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:
 - <https://www.ocwd.com/news-events/newsletter/2019/october-2019/>
 - <https://www.ocwd.com/news-events/newsletter/2019/november-2019/>
 - <https://www.ocwd.com/news-events/newsletter/2019/december-2019/>
- Staff co-authored the following research publication, which mentions the GWRS:
 - [Optimizing Potable Water Reuse Systems: Chloramines or Hydrogen Peroxide for UV-Based Advanced Oxidation Process?](#)

Website:

The GWRS Final Expansion website was updated to include information of interest to local residents and the community.

- <https://www.ocwd.com/gwrs/final-expansion/>

**MEDIA CLIPS
OCWD GLOBAL
FOURTH QUARTER
OCTOBER - DECEMBER 2019**

Date	Source	Headline	URL	Reach
31-Dec-2019	Composites World	Composites' role in seawater reverse osmosis desalination	https://www.compositesworld.com/blog/post/composites-role-in-seawater-reverse-osmosis-desalination-tes-help-produce-clean-water	76759
23-Dec-2019	Composites World	Composites help take the waste out of wastewater	https://www.compositesworld.com/blog/post/composites-help-produce-clean-water	76759
10-Dec-2019	Water Finance & Management	Found Water: Reuse and the Deconstruction of "Wastewater"	https://waterfm.com/found-water-reuse-and-the-deconstruction-of-wastewater/	6882
06-Dec-2019	Daily Breeze	Huntington Beach desalination plant eyes approval, but foes turn out in force	https://www.dailybreeze.com/2019/12/06/huntington-beach-desalination-plant-eyes-approval-but-foes-turn-out-in-force/	233483
06-Dec-2019	Orange County Register	Huntington Beach desalination plant eyes approval, but foes turn out in force	https://www.ocregister.com/2019/12/06/huntington-beach-desalination-plant-eyes-approval-but-foes-turn-out-in-force/	2082999
03-Dec-2019	Orange Juice Blog	FIGHT POSEIDON FRIDAY – important Water Board (SARWQCB) coming to HB!	http://www.orangejuiceblog.com/2019/12/fight-poseidon-friday-important-water-board-sarwqcb-coming-to-hb/	2405
25-Nov-2019	Water Online	OCWD Maintains 'AAA' Fitch Rating For 12th Consecutive Year	https://www.wateronline.com/doc/ocwd-maintains-aaa-fitch-rating-for-th-consecutive-year-0001	54815
19-Nov-2019	Water Online	Replenishing Through Reuse	https://www.wateronline.com/doc/replenishing-through-reuse-0001	54815
18-Nov-2019	Water & Wastes Digest	Business News: U.S. EPA Celebrates WIFIA Project	https://www.wwdmag.com/instrumentation-water-quality-monitoring/business-news-us-epa-celebrates-wifia-project	46212
17-Nov-2019	California Water News Daily	Orange County Agencies Celebrate Final Expansion of the Groundwater Replenishment System	http://californiawaternewsdaily.com/infrastructure/orange-county-agencies-celebrate-final-expansion-of-the-groundwater-replenishment-system/#respond	984
13-Nov-2019	Asian Journal	U.S. EPA celebrates WIFIA Project with groundbreaking at Orange County Water District	https://www.asianjournal.com/entertainment/events/u-s-epa-celebrates-wifia-project-with-groundbreaking-at-orange-county-water-district/	41121

MEDIA CLIPS
OCWD GLOBAL
FOURTH QUARTER
OCTOBER - DECEMBER 2019

Date	Source	Headline	URL	Reach
11-Nov-2019	Scientific American Blog Network	The EPA Says We Need to Reuse Wastewater	https://blogs.scientificamerican.com/observations/the-epa-says-we-need-to-reuse-wastewater/	1951359
11-Nov-2019	nsenergybusiness	OCWD breaks ground on GWRS final expansion project in California	https://www.nsenerybusiness.com/news/ocwd-gwrs-final-expansion-project/	22334
10-Nov-2019	Maven's Notebook	DAILY DIGEST, weekend edition: Bernhardt suggests Westlands for major contract; Westlands steps back from Shasta expansion. Environmentalists still worry; How to start adapting to CA's "precipitation whiplash"; Dust kicked up from the West's drying lakes a looming health hazard; and more ...	https://mavensnotebook.com/2019/11/10/daily-digest-weekend-edition-bernhardt-suggests-westlands-for-major-contract-westlands-steps-back-from-shasta-expansion-environmentalists-still-worry-how-to-start-adapting-to-cas/	5770
08-Nov-2019	Maven's Notebook	NEWS WORTH NOTING, weekend interesting stuff edition: Feds rule American River hydroproject does not need CA water quality certification; AG Becerra secures settlement against Westlands for Shasta Dam project; Orange County breaks ground on project to recycle 100% of wastewater	https://mavensnotebook.com/2019/11/08/news-worth-noting-feds-rule-american-river-hydroproject-does-not-need-ca-water-quality-certification-ag-becerra-secures-settlement-against-westlands-for-shasta-dam-project-orange-county-breaks-grou/	5770
08-Nov-2019	OCWD/OCSD News Release	OC Water and Sanitation Districts Break Ground on Project that Recycles 100% of Wastewater Flows Into Drinking Water for 1 Million People	https://www.ocwd.com/media/8286/gwrs-final-expansion-groundbreaking-final.pdf	2654
08-Nov-2019	Daily Breeze	Orange County's pioneering wastewater recycling system embarks on major expansion	https://www.dailybreeze.com/2019/11/08/orange-countys-pioneering-wastewater-recycling-system-embarks-on-major-expansion/	251436
08-Nov-2019	Orange County Register	Orange County's pioneering wastewater recycling system embarks on major expansion	https://www.ocregister.com/2019/11/08/orange-countys-pioneering-wastewater-recycling-system-embarks-on-major-expansion/	2071804
08-Nov-2019	United States Environmental Protection Agency	U.S. EPA Celebrates WIFIA Project with Groundbreaking at Orange County Water District	https://www.epa.gov/newsreleases/us-epa-celebrates-wifia-project-groundbreaking-orange-county-water-district	298575

**MEDIA CLIPS
OCWD GLOBAL
FOURTH QUARTER
OCTOBER - DECEMBER 2019**

Date	Source	Headline	URL	Reach
08-Nov-2019	Water Online	Orange County Water And Sanitation Districts Break Ground On Project That Recycles 100% Of Available Wastewater Flows Into Drinking Water For 1 Million People	https://www.wateronline.com/doc/orange-county-water-and-sanitation-districts-break-available-wastewater-people-0001	54815
04-Nov-2019	California Water News Daily	AMWA Presents 2019 Gold Award for Exceptional Utility Performance to Orange County WD	http://californiawaternewsdaily.com/industry/amwa-presents-2019-gold-award-for-exceptional-utility-performance-to-orange-county-wd/#respond	984
31-Oct-2019	Daily Breeze	Doheny desalination plant still on track despite higher cost estimates	https://www.dailybreeze.com/2019/10/31/doheny-desalination-plant-still-on-track-despite-higher-cost-estimates/	251436
31-Oct-2019	Orange County Register	Doheny desalination plant still on track despite higher cost estimates	https://www.ocregister.com/2019/10/31/doheny-desalination-plant-still-on-track-despite-higher-cost-estimates/	2119338
23-Oct-2019	Efficient Gov	EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	https://efficientgov.com/blog/2019/10/23/epa-to-provide-585-million-for-climate-resilient-huntington-beach-seawater-desalination-plant/	19029
22-Oct-2019	Businesswire.sys-con	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://businesswire.sys-con.com/node/4413769	357
22-Oct-2019	Orange County Register	Poseidon, Doheny desalination plants advance in EPA funding quest	https://www.ocregister.com/2019/10/22/poseidon-doheny-desalination-plants-advance-in-epa-funding-quest/	2119338
22-Oct-2019	Crain BusinessInsurance - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/crain.businessinsurance/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735
22-Oct-2019	FOX 40 WICZ TV	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://www.wicz.com/story/41217079/us-epa-to-provide-585-million-for-climate-resilient-huntington-beach-seawater-desalination-plant	28417
22-Oct-2019	myMotherLode.com - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/clarkebroadcasting/mymotherlode/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735

MEDIA CLIPS
OCWD GLOBAL
FOURTH QUARTER
OCTOBER - DECEMBER 2019

Date	Source	Headline	URL	Reach
22-Oct-2019	Water Online	OCWD Wins AMWA Gold Award For Exceptional Utility Performance	https://www.wateronline.com/doc/ocwd-wins-amwa-gold-award-for-exceptional-utility-performance-0001	47961
22-Oct-2019	JOT / UP	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	https://jotup.co/node/513837	1204
22-Oct-2019	Synacor - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/synacor/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	25851
22-Oct-2019	Fox 21 Delmarva	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://www.fox21delmarva.com/story/41217079/us-epa-to-provide-585-million-for-climate-resilient-huntington-beach-seawater-desalination-plant	2814
22-Oct-2019	TMCnet.com	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	https://www.tmcnet.com/usubmit/2019/10/22/9039477.htm	2188
22-Oct-2019	DMN Newswire	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://dmnnewswire.digitalmedianet.com/2019/10/22/u-s-epa-to-provide-585-million-for-climate-resilient-huntington-beach-seawater-desalination-plant/?utm_source=rss&utm_medium=rss&utm_campaign=u-s-epa-to-provide-585-million-for-climate-resilient-huntington-beach-seawater-desalination-plant	129
22-Oct-2019	WBOC Tv 16	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://www.wboc.com/story/41217079/us-epa-to-provide-585-million-for-climate-resilient-huntington-beach-seawater-desalination-plant	183956
22-Oct-2019	Morningstar	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	https://news.morningstar.com/all/business-wire/BWIPREM_20191022006058/us-epa-to-provide-585-million-for-climate-resilient-huntington-beach-seawater-desalination-plant.aspx	2074201

MEDIA CLIPS
OCWD GLOBAL
FOURTH QUARTER
OCTOBER - DECEMBER 2019

Date	Source	Headline	URL	Reach
22-Oct-2019	Telemundo Lubbock	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://www.telemundolubbock.com/story/41217079/u-s-epa-to-provide-585-million-for-climate-resilient-huntington-beach-seawater-desalination-plant	1035
22-Oct-2019	Market Screener	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	https://www.marketscreener.com/news/U-S-EPA-to-Provide-585-Million-for-Climate-Resilient-Huntington-Beach-Seawater-Desalination-Plant--29435991/	951418
22-Oct-2019	Merrill Edge	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	https://www.merrilledge.com/research/story?stryKey=600-201910221421BIZWIRE_USPRX_BW6058-1	530808
22-Oct-2019	The Inyo Register - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://business.inyoregister.com/inyoregister/news/read/39020495/u.s.epa.to.provide.585.million.for.climate	92
22-Oct-2019	StreetInsider.com	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	https://www.streetinsider.com/Business+Wire/U.S.+EPA+to+Provide+%24585+Million+for+Climate-Resilient+Huntington+Beach+Seawater+Desalination+Plant/16033975.html	317454
22-Oct-2019	InvestorPoint.com	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://www.investorpoint.com/news/COMMODIT/5627165177972725/	10523
22-Oct-2019	Pittsburgh Post-Gazette - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.post-gazette.com/postgazette/news/read/39020495/u.s.epa.to.provide.585.million.for.climate	3733
22-Oct-2019	SYS-CON Media	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://www.sys-con.com/node/4413769	18304
22-Oct-2019	Deer Park Tribune - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://business.dptribune.com/dptribune/news/read/39020495/u.s.epa.to.provide.585.million.for.climate	170
22-Oct-2019	The Daily Press - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://business.smdailypress.com/smdailypress/news/read/39020495/u.s.epa.to.provide.585.million.for.climate	551

MEDIA CLIPS
OCWD GLOBAL
FOURTH QUARTER
OCTOBER - DECEMBER 2019

Date	Source	Headline	URL	Reach
22-Oct-2019	Ulitzer	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://businesswire.ulitzer.com/node/4413769	4757
22-Oct-2019	The Ridgway Record - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://business.ridgwayrecord.com/ridgwayrecord/news/read/39020495/u.s._epa_to_provide_\$585_million_for_climate	322
22-Oct-2019	AP (Hosted)	Finance Program Will Reduce Ratepayer Water Costs; Support 3,000 Jobs During Construction		558617
22-Oct-2019	The Valley City Times Record - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://business.times-online.com/times-online/news/read/39020495/u.s._epa_to_provide_\$585_million_for_climate	261
22-Oct-2019	MyMotherLode.com-FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://money.mymotherlode.com/clarkebroadcasting.mymotherlode/news/read/39020495/u.s._epa_to_provide_\$585_million_for_climate	570
22-Oct-2019	Business Wire	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	https://www.businesswire.com/news/home/20191022006058/en/U.S.-EPA-Provide-585-Million-Climate-Resilient-Huntington	2212188
22-Oct-2019	APNews Business Wire - PR	HUNTINGTON BEACH, Calif.--(BUSINESS WIRE)--Oct 22, 2019-- Poseidon Water released the following statement in response to today's announcement that the U.S. Environmental Protection Agency...	https://www.apnews.com/Business%20Wire/35ed8a1e8c294e36bc968338451f0cd5	11284092
22-Oct-2019	International Business Times - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/ibtimes/news/read/39020495/u.s._epa_to_provide_\$585_million_for_climate	1145
22-Oct-2019	The Wapakoneta Daily News - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://business.wapakdailynews.com/wapakdailynews/news/read/39020495/u.s._epa_to_provide_\$585_million_for_climate	1043
22-Oct-2019	Stock Market - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/stocks/news/read/39020495/u.s._epa_to_provide_\$585_million_for_climate	56735
22-Oct-2019	Borger News Herald - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/borgernewsherald/news/read/39020495/u.s._epa_to_provide_\$585_million_for_climate	56735

**MEDIA CLIPS
OCWD GLOBAL
FOURTH QUARTER
OCTOBER - DECEMBER 2019**

Date	Source	Headline	URL	Reach
22-Oct-2019	Electric Light & Power - Market - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/bennwell.elp/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735
22-Oct-2019	The Observer News Enterprise - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://business.observernewsline.com/observernewsonline/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	631
22-Oct-2019	Dental Economics - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/bennwell.dental/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735
22-Oct-2019	Morning News - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://business.am-news.com/am-news/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	510
22-Oct-2019	The Kane Republican - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://business.kanerepublican.com/kanerepublican/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	298
22-Oct-2019	Great American Financial Resources - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/gafri/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	25379
22-Oct-2019	The Buffalo News - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.buffalonews.com/buffnews/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	974
22-Oct-2019	The Saline Courier - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://business.bentoncourier.com/bentoncourier/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	483
22-Oct-2019	Fat Pitch Financials - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://quotes.fatpitchfinancials.com/fatpitch.financials/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	128
22-Oct-2019	Morning News - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/am-news/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	25296
22-Oct-2019	Woonsocket Call - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/woonsocketcall/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735

**MEDIA CLIPS
OCWD GLOBAL
FOURTH QUARTER
OCTOBER - DECEMBER 2019**

Date	Source	Headline	URL	Reach
22-Oct-2019	The One Observer News Enterprise - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/observernewsonline/news/read/39020495/u.s. epa to provide \$585 million for climate	25295
22-Oct-2019	The Poteau Daily News - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/poteaudailynews/news/read/39020495/u.s. epa to provide \$585 million for climate	56735
22-Oct-2019	Long Beach Press-Telegram - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/presstelegram/news/read/39020495/u.s. epa to provide \$585 million for climate	56735
22-Oct-2019	StreetInsider - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/streetinsider/news/read/39020495/u.s. epa to provide \$585 million for climate	26257
22-Oct-2019	The Punxsutawney Spirit - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://business.punxsutawneyspirit.com/punxsutawneyspirit/news/read/39020495/u.s. epa to provide \$585 million for climate	151
22-Oct-2019	Azcentral.com - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://finance.azcentral.com/azcentral/news/read/39020495/u.s. epa to provide \$585 million for climate	1716
22-Oct-2019	Observer Reporter- FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://stocks.observer-reporter.com/observerreporter/news/read/39020495/u.s. epa to provide \$585 million for climate	128
22-Oct-2019	The Evening Leader - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://business.theeveningleader.com/theeveningleader/news/read/39020495/u.s. epa to provide \$585 million for climate	480
22-Oct-2019	Boston Herald - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/bostonherald/news/read/39020495/u.s. epa to provide \$585 million for climate	25535
22-Oct-2019	The Lethbridge Herald - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/lethbridgeherald/news/read/39020495/u.s. epa to provide \$585 million for climate	56735
22-Oct-2019	The Decatur Daily Democrat - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://business.decaturdailydemocrat.com/decaturdailydemocrat/news/read/39020495/u.s. epa to provide \$585 million for climate	377

**MEDIA CLIPS
OCWD GLOBAL
FOURTH QUARTER
OCTOBER - DECEMBER 2019**

Date	Source	Headline	URL	Reach
22-Oct-2019	Big Spring Herald - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://business.bigspringherald.com/bigspringherald/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	372
22-Oct-2019	The Post and Mail - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://business.thepostandmail.com/thepostandmail/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	375
22-Oct-2019	The Buffalo News - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/buffnews/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	31454
22-Oct-2019	The RIDGWAY Record - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/ridgwayrecord/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	25294
22-Oct-2019	Tamar Securities - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/tamarsecurities/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735
22-Oct-2019	Daily Herald - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://finance.dailyherald.com/dailyherald/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	3124
22-Oct-2019	Penticton Herald - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/pentictonherald/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735
22-Oct-2019	The Post and Mail - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/thepostandmail/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735
22-Oct-2019	Sweetwater Reporter - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/sweetwaterreporter/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735
22-Oct-2019	Aleris - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/aleric/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735
22-Oct-2019	The Kane Republican - Financial Content	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/kanerepublican/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735

**MEDIA CLIPS
OCWD GLOBAL
FOURTH QUARTER
OCTOBER - DECEMBER 2019**

Date	Source	Headline	URL	Reach
22-Oct-2019	Mammoth Times - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://business.mammothtimes.com/mammothtimes/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	341
22-Oct-2019	Silicon Investor - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/siliconinvestor/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735
22-Oct-2019	Minyanville - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://finance.minyanville.com/minyanville/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	537
22-Oct-2019	Camedia-FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://finance.livermore.com/camedia.livermore/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	248
22-Oct-2019	The Community Post - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://business.minstercommunitypost.com/minstercommunitypost/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	812
22-Oct-2019	Value Investing News - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/fatpitch.valueinvestingnews/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735
22-Oct-2019	The Newport Daily Express - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://business.newportvermontdailyexpress.com/newportvermontdailyexpress/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	29
22-Oct-2019	The Evening Leader - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/theeveningleader/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735
22-Oct-2019	Ascensus - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/ascensus/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735
22-Oct-2019	KUTV - FinancialContent.com	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/fourptsmedia.kutv/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735
22-Oct-2019	The Daily Times Leader - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://business.dailytimesleader.com/dailytimesleader/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	946

**MEDIA CLIPS
OCWD GLOBAL
FOURTH QUARTER
OCTOBER - DECEMBER 2019**

Date	Source	Headline	URL	Reach
22-Oct-2019	MALVERN DAILY RECORD - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/malvern-online/news/read/39020495/u.s. epa to provide \$585 million for climate	25298
22-Oct-2019	Wapakoneta Daily News - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/wapakdailynews/news/read/39020495/u.s. epa to provide \$585 million for climate	56735
22-Oct-2019	Times Record - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/times-online/news/read/39020495/u.s. epa to provide \$585 million for climate	56735
22-Oct-2019	Starkville Daily News - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/starkvilledailynews/news/read/39020495/u.s. epa to provide \$585 million for climate	56735
22-Oct-2019	Deer Park Tribune - Financial Content	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/dptribune/news/read/39020495/u.s. epa to provide \$585 million for climate	56735
22-Oct-2019	Daily Penny Alerts - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/dailypennyalerts/news/read/39020495/u.s. epa to provide \$585 million for climate	25367
22-Oct-2019	RICentral - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/ricentral/news/read/39020495/u.s. epa to provide \$585 million for climate	56735
22-Oct-2019	BPAS - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/bpas/news/read/39020495/u.s. epa to provide \$585 million for climate	77
22-Oct-2019	Renewable Energy World - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://finance.renewableenergyworld.com/pennwell.renewableenergy/news/read/39020495/u.s. epa to provide \$585 million for climate	577
22-Oct-2019	The Sweetwater Reporter - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://business.sweetwaterreporter.com/sweetwaterreporter/news/read/39020495/u.s. epa to provide \$585 million for climate	368
22-Oct-2019	The Punsutawney Spirit - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/punxsutawneyspirit/news/read/39020495/u.s. epa to provide \$585 million for climate	56735

**MEDIA CLIPS
OCWD GLOBAL
FOURTH QUARTER
OCTOBER - DECEMBER 2019**

Date	Source	Headline	URL	Reach
22-Oct-2019	Poteau Daily News - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://business.poteaudailynews.com/poteaudailynews/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	221
22-Oct-2019	Intelligent Value - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/ms.intelvalue/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735
22-Oct-2019	Big Spring Herald - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/bigspringherald/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	25295
22-Oct-2019	The Inyo Register - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/inyoregister/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	25297
22-Oct-2019	Laser Focus World - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/pennwell.laserefocusworld/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735
22-Oct-2019	Newsok - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://stocks.newsok.com/newsok/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	733
22-Oct-2019	The Antlers American - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/theantlersamerica/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735
22-Oct-2019	Spoke - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/spoke/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735
22-Oct-2019	Franklin Credit Business Services - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/franklincredit/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735
22-Oct-2019	Dow Theory Letters - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/dowtheoryletters/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735
22-Oct-2019	NewsOK - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/newsok/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735

**MEDIA CLIPS
OCWD GLOBAL
FOURTH QUARTER
OCTOBER - DECEMBER 2019**

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22-Oct-2019	The Decatur Daily Democrat - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/decatourdailymemo/read/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735
22-Oct-2019	The Antlers American - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://business.theantlersamerican.com/theantlersamerican/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	219
22-Oct-2019	The Pilot News - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/thepilotnews/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735
22-Oct-2019	Medicine Hat News - Financial Content	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/medicinehatnews/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735
22-Oct-2019	Concordmonitor - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/concordmonitor/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	25308
22-Oct-2019	Malvern Daily Record - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://business.malvern-online.com/malvern-online/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	143
22-Oct-2019	Chronicle Journal - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.chroniclejournal.com/chroniclejournal/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735
22-Oct-2019	Star Tribune - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/startribune/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	27
22-Oct-2019	Investor Place - Financialcontent.com	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/investplace/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	25411
22-Oct-2019	Starkville Daily News - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://business.starkvilledailynews.com/starkvilledailynews/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	678
22-Oct-2019	SM Daily Press - Financial Content	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://markets.financialcontent.com/smdailypress/news/read/39020495/u.s.epa.to.provide.\$585.million.for.climate	56735

MEDIA CLIPS
OCWD GLOBAL
FOURTH QUARTER
OCTOBER - DECEMBER 2019

Date	Source	Headline	URL	Reach
22-Oct-2019	Public Radio International - FinancialContent	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://thenumbers.marketplace.org/publicradio/news/read/39020495/u.s._epa_to_provide_\$585_million_for_climate	12036
22-Oct-2019	Borger News Herald	U.S. EPA to Provide \$585 Million for Climate-Resilient Huntington Beach Seawater Desalination Plant	http://business.borgernewsherald.com/borgernewsherald/news/read/39020495/u.s._epa_to_provide_\$585_million_for_climate	103
13-Oct-2019	Orange Juice Blog	Indigenous Peoples Day and Tuesday's Desal Townhall: Poseidon as Columbus.	http://www.orangejuiceblog.com/2019/10/indigenous-peoples-day-and-tuesdays-desal-townhall-poseidon-as-columbus/	3225
10-Oct-2019	California Water News Daily	Orange County Water District Designated Utility of the Future Today at WEFTEC 2019	http://californiawaternewsdaily.com/industry/orange-county-water-district-designated-utility-of-the-future-today-at-weftec-2019/#respond	2803
07-Oct-2019	Orange Juice Blog	Poseidon's failing report card in Carlsbad	http://www.orangejuiceblog.com/2019/10/poseidons-failing-report-card-in-carlsbad/	3225
07-Oct-2019	Business Insider	A wealthy California enclave has some of the purest tap water in the country, and it starts out as sewage	https://www.businessinsider.com/orange-county-purest-drinking-water-filtered-sewage-2019-10	61449788