



REGULAR MEETING 8:00 A.M. OPERATIONS CENTER - 1200 SOUTH GENE AUTRY TRAIL – PALM SPRINGS – CALIFORNIA

Desert Water Agency operates independently of any other local government. Its autonomous elected board members are directly accountable to the people they serve. The Agency is one of the desert's two State Water Contractors and provides water and resource management, including recycling, for a 325-square-mile area of Western Riverside County, encompassing parts of Cathedral City, Desert Hot Springs, outlying Riverside County and Palm Springs.

1. PLEDGE OF ALLEGIANCE
2. APPROVAL OF MINUTES August 20, 2019 STUART
3. GENERAL MANAGER'S REPORT KRAUSE
4. COMMITTEE REPORTS A. Executive – August 29, 2019 STUART
5. SECRETARY-TREASURER'S REPORT – July 2019 SAENZ
6. PUBLIC COMMENT: Members of the public may comment on any item not listed on the agenda, but within the jurisdiction of the Agency. In addition, members of the public may speak on any item listed on the agenda as that item comes up for consideration. Speakers are requested to keep their comments to no more than three (3) minutes. As provided in the Brown Act, the Board is prohibited from acting on items not listed on the agenda.
7. DISCUSSION ITEMS
A. Annual Water Loss Report (PPT) JOHNSON
8. OUTREACH & CONSERVATION METZGER
A. Media Information
B. Activities
9. DIRECTORS COMMENTS AND REQUESTS
10. CLOSED SESSION
 - A. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION
Pursuant to Government Code Section 54956.9 (d) (1)
Name of Case: Agua Caliente Band of Cahuilla Indians vs. Coachella Valley Water District, et al
 - B. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION
Pursuant to Government Code Section 54956.9 (d) (1)
Name of Case: Mission Springs Water District vs. Desert Water Agency
 - C. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION
Pursuant to Government Code Section 54956.9 (d) (1)
Name of Case: Albrecht et al vs. County of Riverside
 - D. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION
Pursuant to Government Code Section 54956.9 (d) (1)
Name of Case: Abbey et al vs. County of Riverside
 - E. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION
Pursuant to Government Code Section 54956.9 (d) (1)
Name of Case: Thurman W. Arnold, III vs. Julie K. Rupp, John Medjian, Mary Beth Rupp, David Merritt Levy, DWA
 - F. CONFERENCE WITH LEGAL COUNSEL – EXPOSURE TO LITIGATION
Pursuant to Government Code Section 54956.9 (d) (2)
Alan Neil Freiman, et al vs. Safari Park, Inc.
Riverside County Superior Court Case No. PSC1806308

G. CONFERENCE WITH REAL PROPERTY NEGOTIATORS

Pursuant to Government Code Section 54956.8

Property: Proposed Right of Way over APN 669-810-039 and 669-810-043

Agency Negotiators: Mark S. Krause, General Manager and Steve Johnson, Assistant General Manager

Negotiating Parties: Desert Water Agency and Coachella Valley Association of Governments

Under Negotiation: Terms of a proposed right of way for CV Link project

H. CONFERENCE WITH REAL PROPERTY NEGOTIATORS

Pursuant to Government Code Section 54956.8

Property: APN 680-180-022-7

Agency Negotiators: Mark S. Krause, General Manager and Steve Johnson, Assistant General Manager

Negotiating Parties: Desert Water Agency and City of Palm Springs

Under Negotiation: Price and Terms

11. RECONVENE INTO OPEN SESSION – REPORT FROM CLOSED SESSION

12. ADJOURN

**MINUTES
OF THE REGULAR MEETING
OF THE
DESERT WATER AGENCY
BOARD OF DIRECTORS**

August 20, 2019

DWA Board:	Joseph K. Stuart, President)	Attendance
	Kristin Bloomer, Vice President)	
	Craig Ewing, Secretary-Treasurer)	
	Patricia G. Oygard, Director)	
	James Cioffi, Director)	
DWA Staff:	Mark S. Krause, General Manager)	
	Steve Johnson, Asst. General Manager)	
	Martin Krieger, Finance Director)	
	Sylvia Baca, Asst. Secretary of the Board)	
	Ashley Metzger, Outreach & Cons. Mgr.)	
	Kris Hopping, Human Resources Manager)	
	Esther Saenz, Accounting Supervisor)	
	DWA Staff)	
Consultant:	Michael T. Riddell, Best Best & Krieger)	
	Bob Krieger, Consultant)	
Public:	David Freedman, Palm Springs resident)	

18505. President Stuart opened the meeting at 8:00 a.m. and asked everyone to join Director Oygard in the Pledge of Allegiance. **Pledge of Allegiance**

18506. President Stuart called for approval of the July 16, 2019 Regular Board meeting minutes. **Approval of 07/16/19 Regular Board Mtg. Minutes**

Secretary-Treasurer Ewing moved for approval. After a second by Director Oygard, the minutes were approved by the following vote:

AYES: Ewing, Oygard, Stuart, Bloomer, Cioffi
 NOES: None
 ABSENT: None
 ABSTAIN: None

18507. President Stuart called upon General Manager Krause to provide an update on Agency operations. **General Manager's Report**

Mr. Krause provided an update on Agency operations and noted his meetings and activities for the past several weeks.

18508. President Stuart noted the minutes for the August 15, 2019 Executive Committee meeting were provided in the Board's packet.

Committee Reports:
Executive 08/15/19

18509. President Stuart opened the meeting for public comment.

Public Comment

There being no one from the public wishing to address the Board, President Stuart closed the public comment period.

18510. President Stuart called upon General Manager Krause to present staff's request for adoption of Resolution No. 1221 granting retirement status to Finance Director Martin Krieger.

Action Items:
Request Adoption of
Resolution No. 1221
Granting Retirement of
Martin Krieger

Mr. Krause acknowledged Mr. Krieger's 33 years of dedicated service and loyalty to Desert Water Agency and noted Mr. Krieger will be presented a copy of Resolution No. 1221. Staff requests Board adoption of Resolution No. 1221.

President Stuart then read aloud Resolution No. 1221 highlighting Mr. Krieger's 33 years of service to Desert Water Agency.

Director Cioffi made a motion to adopt Resolution No. 1221. Secretary-Treasurer Ewing seconded the motion, which carried unanimously.

YES: Cioffi, Ewing, Stuart, Bloomer, Oygar
NOES: None
ABSENT: None
ABSTAIN: None

RESOLUTION NO. 1221
A RESOLUTION OF THE BOARD OF DIRECTORS
OF THE DESERT WATER AGENCY
GRANTING RETIREMENT STATUS TO
MARTIN KRIEGER

Resolution No. 1221
Adopted

Mr. Krieger expressed his appreciation to the Board of Directors and staff.

The Board expressed their gratitude and thanked Mr. Krieger for his years of service, knowledge and help.

Consultant Bob Krieger spoke regarding his work through the years with Mr. Krieger and how helpful he had been and congratulated Mr. Krieger on his retirement.

18511. President Stuart asked General Manager Krause to present staff's request for Approval and Support of ACWA's Nominating Committee's Recommendation Slate for the 2020-2021 Term for Region 9.

Action Items:

(Cont.)

Request Approval and Support of ACWA's Nominating Committee's Recommendation Slate for the 2020-2021 Term for Region 9

Mr. Krause stated The Association of California Water Agencies (ACWA) is issuing a call for nominations for Region 9 leadership for the 2020-2021 term for Chair, Vice Chair and Board Members. The Region 9 Chair and Vice Chair will serve on ACWA's Board of Directors for the next two-year term beginning January 1, 2020. They will make the Region 9 Committee appointment recommendations to the ACWA President for the 2020-2021 term. Also, either the Chair or Vice Chair will hold a seat on the ACWA Finance Committee. Staff requests that the Board either 1) approve the recommended slate of candidates, or 2) indicate individual candidates; and authorize the Board President to complete and submit the Agency's ballot by September 30, 2019.

Secretary-Treasurer Ewing noted that he is familiar with some of the people on the ballot and has no objections to the recommended slate and added he supports Joseph Kuebler from Eastern Municipal Water District.

Secretary-Treasurer Ewing made a motion to approve ACWA's recommended slate of candidates and authorize the Board President to complete and submit the Agency's ballot. Director Oygar seconded the motion, which carried unanimously.

YES: Ewing, Oygar, Stuart, Bloomer, Cioffi
 NOES: None
 ABSENT: None
 ABSTAIN: None

18512. President Stuart called upon General Manager Krause to present staff's request for adoption of Resolution No. 1222 Authorizing General Manager to Enter Into Funding Agreement with DWR for Preliminary Planning & Design Costs Related to Potential New Delta Conveyance Option.

Request Adoption of Resolution 1222 Authorizing GM to Enter into Funding Agrmt. with DWR for Preliminary Planning & Design Costs Related to Potential New Delta Conveyance Option

Mr. Krause reported on June 5, 2018, the Board of Directors of Desert Water Agency (Agency) authorized the Agency's financial participation in the California WaterFix (CWF) and authorized the General Manager to execute a gap funding agreement with the Department of Water Resources (DWR) for the preconstruction costs of the CWF. On May 2, 2019, the DWR director rescinded DWR's approval of the CWF, noting there is no longer a CWF and DWR notified the Agency that it would not expend the remaining funds contributed under the gap funding agreement for any other purpose absent specific authorization.

Mr. Krause noted to date 7.7% of the gap funding agreement funds have been spent. It is in the Agency's best interest to enter into a new funding agreement with DWR to authorize the remaining unencumbered gap funding agreement funds to be used for preliminary planning and design costs incurred after May 2, 2019, related to a potential new Delta Conveyance option. Staff requests Board adoption of Resolution No. 1222 thereby authorizing its General Manager to execute a funding agreement with DWR in an amount equal to the remaining gap funding agreement funds for preliminary planning and design costs incurred after May 2, 2019 related to potential new Delta Conveyance.

Action Items:

(Cont.)

Request Adoption of Resolution 1222 Authorizing GM to Enter into Funding Agrmt. with DWR for Preliminary Planning & Design Costs Related to Potential New Delta Conveyance Option

Agency Counsel Mike Riddell pointed out that Resolution No. 1222 would make it clear that DWA no longer authorizes the expenditure of funds to build a dual tunnel project and is redirecting those funds to a new project yet to be developed in which there is no EIR yet and that the money may only be used for preliminary design and planning for a new project.

Director Cioffi made a motion to adopt Resolution No. 1222. Secretary-Treasurer Ewing seconded the motion, which carried unanimously.

AYES: Cioffi, Ewing, Stuart, Bloomer, Oygur

NOES: None

ABSENT: None

ABSTAIN: None

RESOLUTION NO. 1222

**RESOLUTION OF THE BOARD OF DIRECTORS OF
THE DESERT WATER AGENCY AUTHORIZING THE
GENERAL MANAGER TO ENTER INTO A FUNDING
AGREEMENT WITH DWR FOR PRELIMINARY
PLANNING AND DESIGN COSTS RELATED TO A
POTENTIAL NEW DELTA CONVEYANCE OPTION**

Resolution No. 1222
Adopted

18513. President Stuart called upon Agency Counsel Riddell to provide a report on the July 18, 2019 Board of Directors of the State Water Contractors meeting.

Discussion Items:

SWC Meeting
July 18, 2019

Mr. Riddell provided a report on the following items: 1) Closed Session, 2) Retirement of Curtis Creel, 3) Overview of the Statement of Charges, 4) Energy Objective Update, and 5) SWP Water Operations Report.

18514. President Stuart called upon Outreach & Conservation Manager Metzger to provide a report on the July Water Use Reduction Figures.

Discussion Items:
(Cont.)
July Water Use
Reduction Figures

Mrs. Metzger reported that the Agency and its customers achieved a 21% reduction in potable water production during July 2019 compared to the same month in 2013. She noted the cumulative savings over the last twelve months is 18.6%.

18515. President Stuart called upon General Manager Krause to provide a report on Department of Water Resources (DWR) approval of DWA's alternative groundwater management plans.

DWR Approval of
DWA Alternative
Groundwater
Management Plans

Mr. Krause reported that on July 17, the Department of Water Resources (DWR) announced and notified us that our Alternative Groundwater Management Plans (Alternative) for the Mission Creek and Indio Subbasins satisfied the objectives of the Sustainable Groundwater Management Act (SGMA) and therefore were approved. DWR Staff issued a report with recommendations including a statement of findings.

DWR's staff findings included: the Alternative satisfies the objectives of SGMA, the Agencies are authorized to continue to manage the Subbasins to that Alternative, without the need to develop a Groundwater Sustainability Plan (GSP). The evaluation and assessment of the Alternative undertaken by DWR states that it creates no foreseeable indirect impacts, and any impacts that might occur would be difficult to predict with any accuracy and too speculative to allow DWR to provide for meaningful analysis and review. Mr. Krause noted a yearly review and a five-year update plan is required.

18516. Director Cioffi noted his attendance at NWRA and pointed out it was well attended. He reported he attended a presentation from Secretary Brenda Burman, Bureau of Reclamation Commissioner. Additionally, he noted he is part of a groundwater subcommittee within NWRA and he took part in a ground water caucus meeting and gave a presentation on the status of the water rights lawsuit. Director Cioffi recommended that DWA join the Groundwater Management District Association (GMDA), which oversees the groundwater caucus.

Director's Report on
NWRA Conference
Attendance

Vice President Bloomer noted her attendance at NWRA and that she also attended the presentation from Secretary Burman. She reported she also attended an Endangered Species Act presentation and A Community Outreach presentation where Outreach & Conservation Manager Metzger presented. She also noted she attended a Women in Water meeting where they awarded their first scholarship.

18517. President Stuart noted that Board packets included Outreach & Conservation reports for July 2019.

Outreach & Conservation – July 2019

In response to Secretary-Treasurer Ewing, Mrs. Metzger reported there was no response from the public regarding the Agency's recent change to division elections.

Mrs. Metzger noted the following upcoming events: 1) DWA is holding a Rebate Workshop tomorrow, 8/21/19; 2) the Palm Springs Unified School District is holding their State of the District Legislative breakfast on September 11; and 3) the All Valley Mayor & Tribal Chair luncheon is on September 26.

18518. At 10:00 a.m., President Stuart convened into Closed Session for the purpose of Conference with Legal Counsel, (A) Existing Litigation, pursuant to Government Code Section 54956.9 (d) (1), Agua Caliente Band of Cahuilla Indians vs. Coachella Valley Water District, et al; (B) Existing Litigation, pursuant to Government Code Section 54956.9 (d) (1), Mission Springs Water District vs. Desert Water Agency; (C) Existing Litigation, pursuant to Government Code Section 54959.9 (d) (1), Albrecht et al vs. County of Riverside; (D) Existing Litigation, pursuant to Government Code Section 54959.9 (d) (1), Abbey et al vs. County of Riverside; (E) Existing Litigation, pursuant to Government Code Section 54956.9 (d) (2), Thurman W. Arnold III vs. Rupp, Medjian, Rupp, Levy, DWA; (F) Exposure to Litigation, pursuant to Government Code Section 54956.9 (d) (2), Alan Neil Freiman et al vs. Safari Park, Inc.; and (G) Conference with Real Property Negotiators, Pursuant to Government Code Section 54956.8, Property: Proposed Right of Way over APN 669-810-039 and 669-810-043, Agency Negotiators: Mark S. Krause, General Manager and Steve Johnson, Assistant General Manager, Negotiating Parties: Desert Water Agency and Coachella Valley Association of Governments, Under Negotiation: Terms of a proposed right of way for CV Link project.

Closed Session:

A. Existing Litigation – ACBCI vs. CVWD, et al.
B. Existing Litigation – MSWD vs. DWA
C. Existing Litigation – Albrecht et al vs. Riverside County
D. Existing Litigation – Abbey et al vs. Riverside County
E. Existing Litigation – Thurman W. Arnold III vs. Rupp, Medjian, Rupp, Levy, DWA
F. Exposure to Litigation – Alan Neil
G. Conference with Real Property Negotiators Right-of-way for CV Link project.

18519. At 11:15 a.m., President Stuart reconvened the meeting into open session and announced there was no reportable action taken.

Reconvene – No Reportable Action

18520. In the absence of any further business, President Stuart adjourned the meeting at 11:16 a.m.

Adjournment

Joseph K. Stuart, President

ATTEST:

Kristin Bloomer, Vice President

GENERAL MANAGER'S REPORT SEPTEMBER 3, 2019

SWP Delivery and Whitewater Hydro Generation Update

As of the end of August, approximately 181 TAF has been delivered to the Whitewater spreading basins.

For Mission Creek Spreading Basin, the amount of water delivered prior to April was 1,171 AF, as measured by an accurate meter. As a result of a malfunctioning meter, water that was delivered in April is still being determined by MWD. Agency staff estimated that the amount of water delivered in April was approximately 585 AF. This estimate was determined based on pond levels measured during the month. Staff submitted the estimate to MWD and is still waiting to hear back from their staff. If we use an April delivery amount of 585 AF, the total delivery to date at Mission Creek Spreading Basin is 1,756 AF.

With a projected SWP water delivery in excess of 200 TAF, staff requested an additional 2,634 AF be delivered to Mission Creek. The new delivery amount is based on 2.5% of the projected total delivery less the 35 TAF and 9.5 TAF delivered for QSA and Rosedale Rio-Bravo.

The additional 2,634 AF water delivery began on August 28 at a flow rate of 50 CFS and is expected to last for approximately 26 days.

For the month of August, the estimated hydro plant generation is approximately 665,000 kWh and with an anticipated SCE settlement of approximately \$61,000.

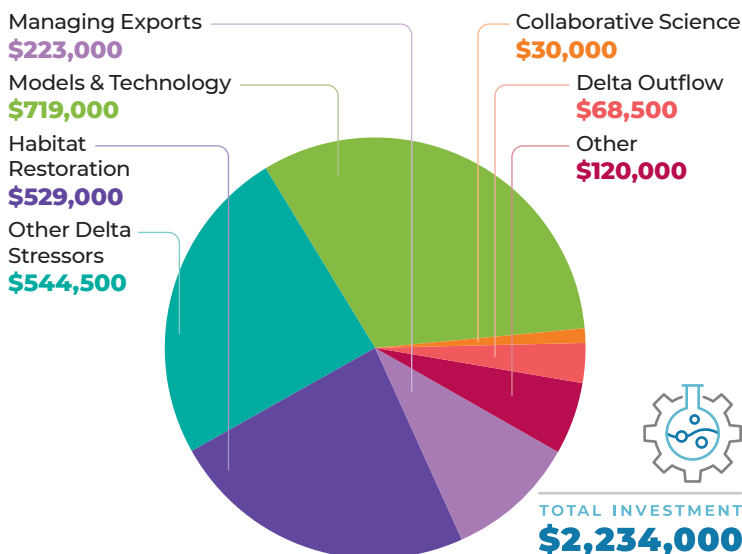
SWC's Investment in Science

In August 2019, the State Water Contractor's released the SWC's Annual Science Report (attached). The report is helpful in our outreach efforts to further the public's understanding of our investment to improve scientific understanding of the Delta and ultimately its management. To date the SWC's have collectively invested more than two billion Dollars (\$2,000,000) in science and research. We have developed cutting-edge tools and models that can be used to support better decision-making and research to inform habitat restoration approaches.

By looking at our state's water supply challenges through a scientific lens, we can help the state to achieve the co-equal goals of providing a more reliable water supply for California and protecting, restoring and enhancing the Delta ecosystem.

That is why the State Water Contractors (SWC) are collaborating with our partners in academia, government, non-profit and the private sectors to invest in new research and other programs that will spur future policymaking and improved water management practices throughout California.

SWC'S TOTAL INVESTMENT IN SCIENCE AND RESEARCH



Our Priorities & Successes

MANAGING EXPORTS TO MINIMIZE AND AVOID FISH ENTRAINMENT

The Sacramento-San Joaquin Delta is a complex maze of interconnected waterways. The SWC are funding research to learn all we can about the way fish move through the system so that we can manage our export operations to meet the State's co-equal goals:



Salmonids—\$98,000

- ▶ Acoustic Telemetry Data Gathering
- ▶ Incidental Take Limit (ITL) Monitoring

Delta Smelt—\$125,000

- ▶ Fall Outflow

OTHER DELTA STRESSORS—IDENTIFYING & UNDERSTANDING IMPACTS ON THE DELICATE DELTA ECOSYSTEM

In addition to being an environmental treasure, the Delta is the hub for California's water supply. As we seek to balance the water needs of both humans and the environment, we need to fill in the data gaps to better understand the many stressors affecting the Delta ecosystem and the fish that depend on it.

- ▶ \$160,000—Hatcheries and Non-Native Predators
- ▶ \$180,000—Toxicity in the Sacramento River near Hood
- ▶ \$35,000—Phytoplankton Enumeration
- ▶ \$170,000—Sacramento River Nutrient Change Study (Amonium Molecule)

MODELS AND TECHNOLOGY— DEVELOPING NEW WATER MANAGEMENT TOOLS

The SWC are also **investing over \$700,000 in 2018-2019** alone to apply research to the development of cutting-edge tools and models that can be used to support better decision-making, including highly recommended life-cycle models:



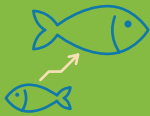
Delta Smelt Genome Sequencing



Delta Smelt EDNA



Delta Smelt Science Plan



Chinook Salmon Lifecycle Modeling

HABITAT RESTORATION— RESEARCHING HOW TO MAKE HABITAT RESTORATION SUCCESSFUL

Much of our original wetlands and floodplains have been lost to human development and several important components of the dynamic habitat fish need have been removed. Habitat restoration is recreating that inherent magic in water's interaction with land to restore their historical habitat. The SWC are investing in research to inform habitat restoration approaches to maximize the benefits of these projects:

Chinook Salmon \$276,000

- Fish Growth & Food Production
- Life History Diversity Study

Longfin Smelt \$230,000

- Physical Habitat Features

DELTA OUTFLOW— A BALANCING ACT

For the fish we are all trying to protect, the right landscape is just as critical as the right flow, and how these interact with each other to restore the dynamic functions of their habitat is the question we need to answer.

Delta Smelt \$68,000

- 12-month study analyzing data from the Suisun Marsh Salinity Control Gate Action as part of the Delta Smelt Resiliency Strategy



Our Commitment to Collaborative Science and the Next Generation of Water Researchers

The SWC are going above-and-beyond by collaborating with our partners at the local, state and federal levels, in academia and the private sector, to help the state meet its co-equal goals through the Collaborative Science and Adaptive Management Program (CSAMP). The SWC are also working to foster California's next generation of water researchers through the Sea Grant Fellowship, which provides unique research opportunities for graduate and post-doctoral students interested in freshwater resources and policy decisions.



The State Water Contractors is a statewide, non-profit association of 27 public agencies from Northern, Central and Southern California that purchase water under contract from the California State Water Project. Collectively the State Water Contractors deliver water to more than 27 million residents throughout the state and more than 750,000 acres of agricultural land. For more information on the State Water Contractors, please visit www.swc.org

State Water Contractor Stakeholder Toolkit Update

The SWC outreach team has updated the toolkit to include an updated activation calendar, which now outlines action items from August through October and includes suggestions on liking and sharing social media content. They also updated the legislative calendar at the bottom of the activation calendar to reflect the legislative deadlines through October. Additionally, the new statewide fact sheet has been added alongside the regional fact sheets. All the other content in the toolkit is evergreen and remained the same, although we plan to keep this updated and will refresh again it again, in advance of the new 2020 legislative cycle.



STAKEHOLDER TOOLKIT

The State Water Contractors (SWC) appreciate your support in raising awareness about the State Water Project (SWP) and its importance to California.



ACTIVATION CALENDAR

Complete with a 2019 legislative calendar, our Activation Calendar serves as a reminder of the steps you can take to support our SWP public outreach and education program.

DOWNLOAD AND PRINT THIS RESOURCE



ACTIVATION TOOLS



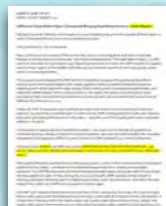
Voluntary Agreement Fact Sheet



SB559 Coalition Letter



SB1 Coalition Letter



Sample Op-Ed



Sample Newsletter



Sample Social Posts



Letter to Senate Appropriations

SWP FACT SHEETS



Statewide Overview



Bay Area



Santa Barbara County



San Joaquin Valley



Southern California



Inland Empire



Desert

Like us on Facebook , follow us on Twitter & share our content



www.swc.org/home

Have more questions?
Shannon Flaherty
916.669.4789
sflaherty@fionahuttonassoc.com

AB 1580 – Major Infrastructure Construction Projects Legislation

On August 22, the SWC sent a letter to Senator Anthony Portantino opposing this Bill stating that AB 1580 is duplicative and an unfunded mandate on state agencies and departments that will hinder critical infrastructure projects and add unnecessary costs to projects important to California's future. DWA was signatory to this letter along with 23 others (see letter attached).



C





**AB 1580 (Levine)
Major Infrastructure Construction Projects
OPPOSE**

August 22, 2019

Senator Anthony Portantino
California State Senate
State Capitol, Room 3086
Sacramento, CA 95814

Re: AB 1580 (Levine): Major Infrastructure Construction Projects – **OPPOSE**
Senate Appropriations Committee Suspense File

Dear Senator Portantino:

On behalf of the signatories below, we regret to inform you of our opposition to AB 1580 by Assembly Member Marc Levine. We view AB 1580 as duplicative and an unfunded new requirement on state agencies and departments seeking to advance infrastructure projects to prepare California for the future. AB 1580 will hinder critical infrastructure projects and add unnecessary costs.

AB 1580 requires a state agency undertaking a publicly-funded major infrastructure construction project that is estimated to cost \$1 billion or more, excluding transportation infrastructure construction projects, to form an oversight committee to act as the authority for critical decisions regarding the project, and to establish and implement a comprehensive risk management plan.

AB 1580 would apply to numerous publicly-funded projects including universities, prisons, water projects, and other state facilities. There is overwhelming evidence that California needs to invest in its future, and AB 1580 runs counter to that goal.

As written, it is uncertain what projects AB 1580 would apply to. As drafted, the bill is ambiguous in several regards. First, it is unclear what is meant by “publicly funded.” Second, the bill does not define or otherwise describe what “critical decisions” the committee will answer. Finally, it is unclear what is meant by “other agencies involved in the project.”

To the extent the bill is aimed at new Delta conveyance, it is unnecessary. Any funds expended to construct new Delta conveyance will be provided by the Public Water Agencies receiving the benefits. Additionally, construction will be undertaken at DWR’s direction by a public agency, known as the Delta Conveyance Design and Construction Authority (DCA). The DCA is a Brown Act body that will provide risk management oversight, and the beneficiaries, who are members on the DCA, have the most incentive to manage risks prudently. AB 1580 provides no place on the oversight committee for those that are paying or benefiting from the project.

For all of the above reasons, we urge members of the Senate Appropriations Committee to hold AB 1580 on suspense. If you have any questions or wish additional information regarding our collective position, please do not hesitate to contact Kathy Viatella at The Metropolitan Water District of Southern California by email at kviatella@mwadh2o.com or by phone at (916) 650-2614.

Sincerely,

Jose Mejia
Director
**California State Council
of Laborers**

Cesar Diaz
Legislative and Political Director
**State Building & Construction
Trades Council**

Tim Cremins
Political Director
**California-Nevada Conference
of Operating Engineers**

Jennifer Pierre
General Manager
State Water Contractors, Inc.

Jeff Kightlinger
General Manager
**Metropolitan Water District of
Southern California**

Curtis Creel
General Manager
Kern County Water Agency

Douglas Headrick
General Manager
**San Bernardino Valley
Municipal Water District**

Thomas D. McCarthy
General Manager
Mojave Water Agency

Ray A. Stokes
Executive Director
**Central Coast Water
Authority**

Dennis D. LaMoreaux
General Manager
Palmdale Water District

Matthew Stone
General Manager
**Santa Clarita Valley Water
Agency**

Darin Kasamoto
General Manager
**San Gabriel Valley Municipal
Water District**

Thomas Love
General Manager
**Upper San Gabriel Valley
Municipal Water District**

Daniel R. Ferons
General Manager
Santa Margarita Water District

Charles Wilson
Executive Director & CEO
**Southern California Water
Coalition**

Paul D. Jones II, P.E.
General Manager
**Eastern Municipal Water
District**

Matthew Litchfield, P.E.,
General Manager
**Three Valleys Municipal Water
District**

Anthony Goff
General Manager
**Calleguas Municipal
Water District**

Craig Miller
General Manager
Western Municipal Water District

Gail Delihant
*Director, California Government
Affairs*
Western Growers

Ian Prichard
Water Resources Manager
Camrosa Water District

Mark S. Krause
General Manager
Desert Water Agency

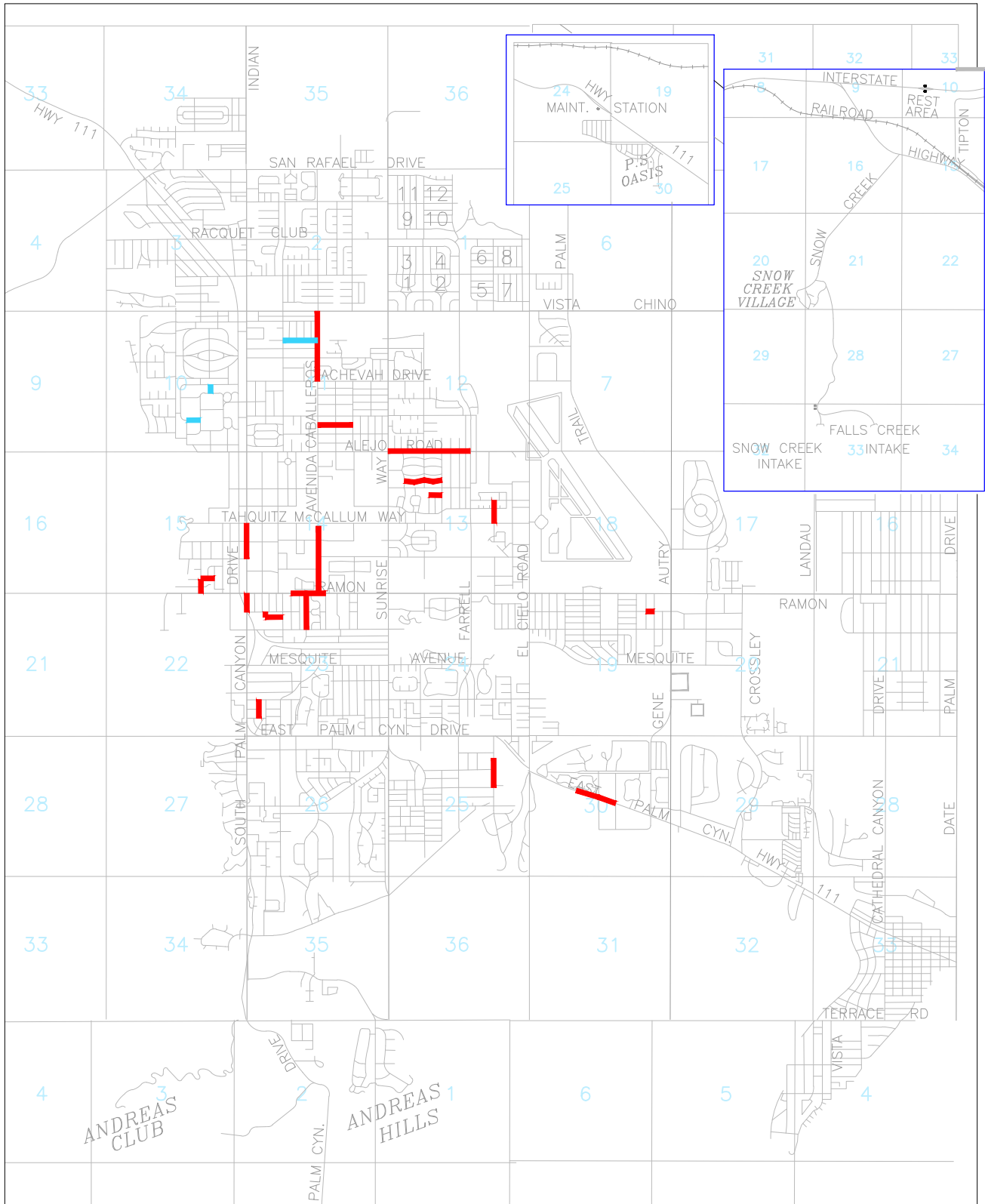
Robert Reeb
Executive Director
Valley Ag Water Coalition

cc: Members of the Senate Appropriations Committee
Assembly Member Marc Levine
Debra Cooper, Consultant, Senate Appropriations Committee
Kirk Feely, Fiscal Consultant, Senate Republican Caucus

SYSTEM LEAK DATA					
(PERIOD BEGINNING AUGUST 12, 2019 THRU AUGUST 27, 2019)					
STREET NAME	NUMBER OF LEAKS	PIPE DIAMETER (INCHES)	YEAR INSTALLED	PIPE MATERIAL	PIPE CONSTRUCTION
RAMON RD	4	6	1955	STEEL	BARE/UNLINED
AVENIDA CABALLEROS	3	20	1949	STEEL	BARE/UNLINED
INDIAN CANYON DR	2	8	1938	STEEL	BARE/UNLINED
PATENCIO RD	2	6	1951	STEEL	BARE/UNLINED
E PALM CANYON DR	2	6	1955	STEEL	BARE/UNLINED
VIA ALTAMIRA	2	4	1954	STEEL	BARE/UNLINED
ARABY DR	2	4	1947	STEEL	BARE/UNLINED
CALLE ROCA	2	4	1954	STEEL	BARE/UNLINED
CAHUILLA RD	1	5	1939	STEEL	BARE/UNLINED
CHIA RD	1	4	1946	STEEL	BARE/UNLINED
CANYON PL	1	4	1938	STEEL	BARE/UNLINED
AVENIDA CABALLEROS	1	14	1953	STEEL	BARE/UNLINED
CAMINO REAL	1	12	1953	STEEL	BARE/UNLINED
INDIAN CANYON DR	1	6	1951	STEEL	BARE/UNLINED
RAMON RD	1	6	1955	STEEL	BARE/UNLINED
S INDIAN CANYON DR	1	6	1951	STEEL	BARE/UNLINED
TERRY LN	1	4	1956	STEEL	BARE/UNLINED
SANTA ROSA RD	1	4	1936	STEEL	BARE/UNLINED
VIA SOLEDAD	1	4	1955	STEEL	BARE/UNLINED
McMANUS DR	1	4	1946	STEEL	BARE/UNLINED
CAMINO PAROCELA	1	4	1956	STEEL	BARE/UNLINED
TOTAL LEAKS IN SYSTEM:		32			

Streets highlighted in blue are being proposed as part of the
2018/2019 Replacement Pipeline Project

SYSTEM INFORMATION:	
*OLDEST PIPE IN THE SYSTEM (YEAR OF INSTALLATION):	1925
AVERAGE YEAR OF INSTALLATION OF UNLINED STEEL PIPE (SYSTEMWIDE):	1952
AVERAGE AGE OF UNLINED STEEL PIPE (SYSTEMWIDE):	66 YEARS
AVERAGE AGE OF PIPELINE AT THE TIME OF REPLACEMENT:	68 YEARS
TOTAL LENGTH OF PIPE IN SYSTEM OLDER THAN 68 YEARS (LINEAR FEET):	142,113
TOTAL LENGTH OF UNLINED PIPE SYSTEMWIDE (LINEAR FEET):	303,391
**AVERAGE LENGTH OF PIPE REPLACED ANNUALLY (LINEAR FEET):	14,500
PROJECTED TIME FRAME FOR 100% REPLACEMENT OF UNLINED STEEL PIPE:	21 YEARS
PROJECTED TIME FRAME FOR 100% REPLACEMENT OF PIPE OLDER THAN 68 YEARS:	10 YEARS
YEAR AGENCY TRANSITIONED TO CEMENT LINED STEEL PIPE:	1960
<p>* THIS PIPELINE IS BEING REPLACED AS PART OF THE 2018/2019 REPLACEMENT PIPELINES PROJECT.</p> <p>** PLEASE NOTE THIS FIGURE REPRESENTS THE AVERAGE LINEAR FOOTAGE OF PIPELINE REPLACED ANNUALLY GIVEN AN AVERAGE ANNUAL BUDGET OF \$3 MILLION.</p>	



SYSTEM LEAKS

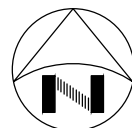
(Period beginning August 12, 2019
thru August 27, 2019)

DESERT WATER AGENCY
PALM SPRINGS, CALIFORNIA

LEGEND

- LEAK(S) RECORDED
- LEAK(S) RECORDED;
INCLUDED IN PROPOSED
LIST OF STREETS FOR
2018/2019
REPLACEMENT PIPELINES

DWG. BY
SR



DATE
8/19

SCALE
NTS

EXHIBIT
"A"

General Manager's Meetings and Activities

Meetings:

08/20/19	DWA Bi-Monthly Board Meeting	DWA
08/20/19	WW BLM R/W Grant Cooperator's Meeting	Conf. Call
08/20/19	CVWD/DWA - Exchange Agreement Meeting	Conf. Call
08/21/19	DWA Water Resources Meeting	Conf. Call
08/22/19	SWC's Delta Committee Meeting	SAC
08/22/19	SWC Policy Meeting	SAC
08/22/19	Sites Reservoir Committee Monthly Meeting	SAC
08/26/19	I.S./Staff/Security	DWA
08/27/19	ACWA Groundwater Video	DWA
08/27/19	SGP GSP Provost & Prichard Kickoff Meeting	SGPWA
08/27/19	SGP GSP Provost Prichard Face-to-Face Meeting	DWA
08/28/19	DWA/MSWD/Richardson – SWP Payments History	Conf. Call
08/29/19	Executive Committee Meeting	DWA
08/29/19	DWA/MSWD/ Provost & Prichard – SWP Contract	DWA
08/29/19	DWA/CVWD/MSWD – Quarterly GM Meeting	CVWD
09/02/19	DWA Holiday	DWA
09/03/19	DWA Bi-Monthly Board Meeting	DWA
09/03/19	MWD/DWA/CVWD Exchange Agreement	BB&K Riv.

Activities:

- 1) SWP – CWF Voluntary Settlement Agreement Framework
- 2) SWP Contract Extension Amendment
- 3) DWA Remote Meter Reading Fixed Network
- 4) Whitewater Hydro – Automatic Re-start
- 5) State and Federal Contractors Water Authority and Delta Specific Project Committee (Standing)
- 6) Whitewater River Surface Water Recharge
- 7) ACBCI Section 14 Facilities & Easements
- 8) Lake Oroville Spillway Damage
- 9) Replacement Pipelines 2019-2020
- 10) DC Project – Finance JPA Committee (Standing)
- 11) DWA/CVWD/MWD Operations Coordination/Article 21/Pool A/Pool B/Yuba Water
- 12) DWA/CVWD/MWD Agreements Meetings (Meeting #8)
- 13) SWP 2019 Water Supply
- 14) ACBCI Water Rights Lawsuit
- 15) Whitewater Hydro Operations Coordination with Recharge Basin O&M
- 16) SGMA Tribal Stakeholder Meetings
- 17) Whitewater Spreading Basins – BLM Permits
- 18) Lake Perris Dam Seepage Recovery Project Participation
- 19) Delta Conveyance Project Cost Allocation
- 20) DWA Surface Water Filtration Feasibility Snow Creek Village/Palm Oasis
- 21) MCSB Delivery Updates
- 22) Well 6 Meaders Cleaners RWQB Meetings
- 23) SGMA – Indio Subbasin Classification

Activities:
(Cont.)

- 24) SGMA – San Geronio Pass Subbasin
- 25) UWMP Population Calculation Update/Valley-Wide UWMP
- 26) RWQCB Update to the SNMP

Minutes
Executive Committee Meeting
August 29, 2019

Directors Present: Joe Stuart, Kristin Bloomer

Staff Present: Mark Krause, Steve Johnson, Martin Krieger,
Esther Saenz, Sylvia Baca

1. Discussion Items

A. Review Agenda for September 3, 2019 Regular Board Meeting

The proposed agenda for the September 3, 2019 Regular Board meeting was reviewed.

2. Other - None

3. Adjourn

DESERT WATER AGENCY
STATEMENT OF CASH RECEIPTS AND EXPENDITURES

5

OPERATING ACCOUNT

JULY 2019

BALANCE	JULY 1, 2019	\$ 476,027.68	INVESTED RESERVE FUNDS \$23,936,118.14
WATER SALES	\$3,097,955.79		
RECLAMATION SALES	187,973.66		
WASTEWATER RECEIPTS	77,604.52		
POWER SALES	10,719.93		
METERS, SERVICES, ETC.	31,200.00		
REIMBURSEMENT - GENERAL FUND	83.17		
REIMBURSEMENT - WASTEWATER FUND	21,368.55		
ACCOUNTS RECEIVABLE - OTHER	16,312.32		
CUSTOMER DEPOSITS - SURETY	9,040.00		
CUSTOMER DEPOSITS - CONST.	18,767.00		
LEASE REVENUE	3,454.77		
INTEREST RECEIVED ON INV. FDS.	114,802.05		
FRONT FOOTAGE FEES	.00		
BOND SERVICE & RESERVE FUND INT	.00		
MISCELLANEOUS	34,621.41		
TOTAL RECEIPTS	\$3,623,903.17		
PAYMENTS			
PAYROLL CHECKS	\$ 494,373.00		
PAYROLL TAXES	216,256.03		
ELECTRONIC TRANSFERS	2,529,397.60		
CHECKS UNDER \$10,000.00	244,132.93		
CHECKS OVER \$10,000.00-SCH.#1	1,799,278.11		
CANCELLED CHECKS AND FEES	2,691.74		
TOTAL PAYMENTS	\$5,286,129.41		
NET INCOME	(\$ 1,662,226.24)		
INVESTED RESERVE FUNDS			
FUNDS MATURED	\$3,695,000.00		
FUNDS INVESTED - SCH.#3	2,197,177.05		
NET TRANSFER	\$ 1,497,822.95 (\$ 1,497,822.95)		
BALANCE	JULY 31, 2019	(\$ 353,628.74)	\$22,438,295.19

OPERATING ACCOUNT

SCHEDULE #1-CHECKS OVER \$10,000

CHECK #	NAME	DESCRIPTION	AMOUNT
123128	ACWA-JPIA	WORKERS COMPENSATION PREMIUM - 4TH QUARTER 2018/19	\$52,708.91
123139	BADGER METER INC	WATER SERVICE SUPPLIES	\$35,478.95
123160	KRIEGER & STEWART INC	ENGINEERING	\$123,089.74
123167	PACIFICA CONSULTING INC	I.T. CONSULTING SERVICES	\$14,560.00
123182	S & J SUPPLY CO., INC	WATER SERVICE SUPPLIES	\$19,768.60
123186	SULZER ELECTRO-MECHANICAL	WELL #17 MAINTENANCE	\$15,522.13
123187	THATCHER COMPANY OF CALIFORNIA	WATER SERVICE SUPPLIES	\$14,372.26
123207	HORIZON GARDEN LLC	REIMBURSE FRONT FOOTAGE FEES	\$29,656.00
123208	UNITED WAY OF THE DESERT	HELP2OTHERS PROGRAM	\$20,000.00
123218	SOUTHERN CALIFORNIA EDISON CO	POWER	\$255,698.54
123220	VENTURE PACIFIC INSURANCE SERVICES	EARTHQUAKE & FLOOD INSURANCE PREMIUM - FISCAL 2019/2020	\$46,169.21
123232	DESERT WATER AGENCY - WASTEWATER	WASTEWATER REVENUE BILLING FOR JUNE 2019	\$54,990.69
123233	DESERT WATER AGENCY - GENERAL	GENERAL FUND EXPENSE REIMBURSEMENT & 4TH QTR 2018-19 GROUND WATER BILLING	\$725,877.96
123341	BEST BEST & KRIEGER LLP	LEGAL FEES	\$83,229.60
123355	DOWN TO EARTH LANDSCAPING	LANDSCAPE MAINTENANCE	\$31,708.63
123373	J COLON COATINGS INC	2018/2019 CONTRACT PAYMENT - RESERVOIR MAINTENANCE	\$24,515.00
123377	JT TECH INC	IT SOFTWARE UPGRADE & MAINTENANCE	\$29,758.19
123379	KRIEGER & STEWART INC	ENGINEERING	\$70,566.58
123381	MCKEEVER WATERWELL & PUMP INC	EFFLUENT PUMP REPLACEMENTS	\$15,627.00
123383	MPULSE SOFTWARE, INC	IT SOFTWARE PROGRAM (W/O #19-147-M)	\$26,000.00
123388	OUTFLOW TECHNOLOGIES	PROGRAMMING - MODERNIZATION PROJECT (W/O #18-179-M)	\$33,725.00
123401	SOUTHERN CALIFORNIA EDISON CO	POWER	\$15,139.45
123404	THATCHER COMPANY OF CALIFORNIA	WATER SERVICE SUPPLIES	\$18,059.17
123413	Z & L PAVING	PAVING	\$23,710.50
123414	PSBLM, LLC	TURF BUY BACK REBATE	\$19,346.00

** TOTAL

\$1,799,278.11

**DESERT WATER AGENCY
OPERATING FUND - LISTING OF INVESTMENTS
JULY 31, 2019**

PURCH DATE	NAME	DESCRIPTION	CALLABLE	MATURITY DATE	COST	PAR VALUE	MARKET VALUE	YIELD TO MATURITY	CALLABLE STATUS
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Local Agency Investment Fund

06-30-83	State of California	LAIF		Open	\$ 15,938,295.19	\$ 15,938,295.19	\$ 15,938,295.19	2.370%	-
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Certificates of Deposit

Total Certificates of Deposit	\$	-	\$	-	\$	-
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Commercial Paper

Total Commerical Paper	\$	-	\$	-	\$	-
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Government Agency

09-20-16	Union Bank	FNMA	09-20-19	09-20-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 999,030.00	1.300%	Quarterly
10-28-16	Union Bank	FHLMC STEP	10-28-19	10-28-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,170.00	2.000%	Quarterly
09-29-17	Union Bank	FHLMC	09-29-19	09-29-20	\$ 500,000.00	\$ 500,000.00	\$ 497,830.00	1.700%	Quarterly
01-29-18	Union Bank	FHLB	10-29-19	01-29-21	\$ 500,000.00	\$ 500,000.00	\$ 498,345.00	2.200%	Quarterly
05-14-19	Union Bank	FHLB	08-14-19	05-14-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,070.00	2.600%	Quarterly
06-06-19	Union Bank	FHLMC	09-06-19	06-06-22	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,060.00	2.550%	Quarterly
06-17-19	Union Bank	FHLB	09-17-19	06-17-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 998,990.00	2.400%	Continuous
07-15-19	Union Bank	FHLMC	01-15-20	01-15-21	\$ 500,000.00	\$ 500,000.00	\$ 499,125.00	2.100%	1 Time

Total Government Agency	\$	6,500,000.00	\$	6,500,000.00	\$	6,493,620.00
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Weighted Mean YTM 2.301%

TOTAL INVESTED @ 07/31/19	\$	22,438,295.19	\$	22,438,295.19	\$	22,431,915.19
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BALANCE @ 06/30/19	\$	23,936,118.14
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INCREASE (DECREASE)	(\$1,497,822.95))
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DESERT WATER AGENCY
STATEMENT OF CASH RECEIPTS AND EXPENDITURES

GENERAL ACCOUNT

JULY 2019

BALANCE	JULY 1, 2019	\$ 2,589,780.76	INVESTED RESERVE FUNDS \$ 143,324,805.43
*TAXES - RIVERSIDE COUNTY		.00	
*INTEREST EARNED - INV. FUNDS		452,038.23	
GROUNDWATER REPLEN. ASSESSMENT		749,756.40	
REIMBURSEMENT - OPERATING FUND		.00	
REIMBURSEMENT - CVWD MGMT AGRMT		.00	
STATE WATER PROJECT REFUNDS		.00	
REIMB-CVWD-WHITEWATER HYDRO		.00	
POWER SALES-WHITEWATER		54,026.50	
MISCELLANEOUS		.00	

TOTAL RECEIPTS		\$1,255,821.13	
PAYMENTS			
CHECKS UNDER \$10,000.00		11,400.00	
CHECKS OVER \$10,000.00-SCH.#1		3,346,886.18	
CANCELLED CHECKS AND FEES		.00	

TOTAL PAYMENTS		\$3,358,286.18	
NET INCOME		(\$ 2,102,465.05)	
INVESTED RESERVE FUNDS			
FUNDS MATURED		13,273,500.00	
FUNDS INVESTED -SCH.#2		15,983,362.02	

NET TRANSFER		(\$ 2,709,862.02)	\$ 2,709,862.02

BALANCE	JULY 31, 2019	(2,197,323.93)	145,981,365.28
*INCLUSIVE TO DATE			
		TAXES	INTEREST
RECEIPTS IN FISCAL YEAR		\$.00	\$ 171,940.10
RECEIPTS IN CALENDAR YEAR		\$94,553,228.15	\$38,452,396.10

DESERT WATER AGENCY
GENERAL ACCOUNT

SCHEDULE #1-CHECKS OVER \$10,000

CHECK #	NAME	DESCRIPTION	AMOUNT
9259	COUNTY OF RIVERSIDE	LAFCO FISCAL 2019/20 FEES	\$13,216.18
9264	STATE OF CA. DEPT. OF WATER RESOURCES	STATE WATER PROJECT - JULY 2019	\$3,198,341.00
9265	STATE WATER CONTRACTORS	FISCAL 2019/2020 MEMBER DUES	\$135,329.00

** TOTAL

\$3,346,886.18

**DESERT WATER AGENCY
GENERAL FUND - LISTING OF INVESTMENTS
JULY 31, 2019**

PURCHASE DATE	NAME	DESCRIPTION	CALLABLE	MATURITY DATE	COST	PAR VALUE	MARKET VALUE	YIELD TO MATURITY	CALLABLE STATUS
Local Agency Investment Fund									
06-30-83	State of California	LAIF	Bullet	Open	\$ 42,187,379.28	\$ 42,187,379.28	\$ 42,187,379.28	2.370%	-
Certificates of Deposit									
06-14-17	RBC Wealth Mgmt	Capital One Bullet	Bullet	06-15-20	\$ 250,000.00	\$ 250,000.00	\$ 249,815.00	1.900%	Bullet
06-14-17	RBC Wealth Mgmt	Capital One Bank USA	Bullet	06-15-20	\$ 250,000.00	\$ 250,000.00	\$ 249,815.00	1.900%	Bullet
06-19-17	RBC Wealth Mgmt	First Priority Bank	Bullet	06-19-20	\$ 250,000.00	\$ 250,000.00	\$ 249,482.50	1.750%	Bullet
05-29-19	Ladenburg Thalmann	Sallie Mae Bank	Bullet	05-31-22	\$ 245,000.00	\$ 245,000.00	\$ 247,584.75	2.500%	Bullet
05-30-19	Ladenburg Thalmann	Ally bank	Bullet	05-31-22	\$ 245,000.00	\$ 245,000.00	\$ 247,582.30	2.500%	Bullet
06-04-19	Ladenburg Thalmann	Wells Fargo Step	09-04-19	12-04-22	\$ 245,000.00	\$ 245,000.00	\$ 245,176.40	2.650%	Quarterly
06-05-19	Ladenburg Thalmann	Goldman Sachs	Bullet	06-05-22	\$ 245,000.00	\$ 245,000.00	\$ 247,592.10	2.500%	Bullet
06-06-19	Ladenburg Thalmann	Morgan Stanley Bank	Bullet	06-06-22	\$ 245,000.00	\$ 245,000.00	\$ 247,930.20	2.550%	Bullet
06-06-19	Ladenburg Thalmann	Morgan Stanley Private Bank	Bullet	06-06-22	\$ 245,000.00	\$ 245,000.00	\$ 247,930.20	2.550%	Bullet
06-07-19	Ladenburg Thalmann	Synchrony Bank (GE)	Bullet	06-07-22	\$ 245,000.00	\$ 245,000.00	\$ 246,918.35	2.400%	Bullet
Total Certificates of Deposit					\$ 2,465,000.00	\$ 2,465,000.00	\$ 2,479,826.80		
Medium Term Notes									
09-19-18	Stifel	Wells Fargo MTN Step	09-19-20	09-19-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 990,990.00	3.250%	Quarterly
02-19-19	Alamo Capital	Toyota Motor Corp MTN	Bullet	07-13-22	\$ 1,399,076.00	\$1,400,000.00	\$ 1,423,940.00	2.800%	Bullet
03-04-19	Alamo Capital	Apple Inc. MTN	Bullet	05-11-20	\$ 991,160.00	\$1,000,000.00	\$ 997,420.00	2.560%	Bullet
04-04-19	Alamo Capital	Toyota Motor Corp MTN	Bullet	04-17-20	\$ 994,400.00	\$1,000,000.00	\$ 997,680.00	2.500%	Bullet
07-18-19	Alamo Capital	Toyota Motor Corp MTN	Bullet	09-08-22	\$ 1,000,000.00	\$1,000,000.00	\$ 997,220.00	2.150%	Bullet
Total Commercial Paper					\$ 5,384,636.00	\$ 5,400,000.00	\$ 5,407,250.00		
Government Agency									
10-02-15	Stifel	FHLB	Continuous	10-02-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 998,970.00	1.450%	Continuous
11-25-15	Stifel	FNMA	08-25-19	11-25-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 997,950.00	1.500%	Qrtrly
03-23-16	Ladenburg Thalmann	FNMA	09-23-19	03-23-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 996,260.00	1.500%	Qrtrly
03-30-16	Stifel	FNMA STEP	09-30-19	03-30-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,200.00	2.250%	Qrtrly
03-30-16	Stifel	FHLMC STEP	09-30-19	03-30-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 999,270.00	1.750%	Qrtrly
04-26-16	Ladenburg Thalmann	FHLB	Continuous	10-26-20	\$ 999,500.00	\$ 1,000,000.00	\$ 992,680.00	1.550%	Continuous
05-23-16	Stifel	FNMA	Bullet	08-23-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 999,500.00	1.250%	Bullet
05-26-16	Union Bank	FNMA	Bullet	11-26-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 997,320.00	1.300%	Bullet
06-16-16	Stifel	FFCB	Continuous	03-16-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 995,980.00	1.400%	Continuous
06-21-16	Stifel	FHLMC STEP	09-21-19	06-21-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 999,280.00	2.000%	Qrtrly
07-11-16	Ladenburg Thalmann	FHLB	Continuous	10-11-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 998,000.00	1.125%	Continuous
07-13-16	Union Bank	FFCB	Continuous	01-13-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 996,210.00	1.240%	Continuous
07-27-16	Stifel	FNMA STEP	10-27-19	07-27-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 991,210.00	1.500%	Qrtrly
08-10-16	Ladenburg Thalmann	FHLMC	08-10-19	08-10-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 993,030.00	1.450%	Qrtrly
08-24-16	Ladenburg Thalmann	FHLMC STEP	08-24-19	08-24-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 999,860.00	2.000%	Qrtrly
08-30-16	Ladenburg Thalmann	FNMA	08-27-19	11-27-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 997,010.00	1.250%	Qrtrly
08-30-16	Stifel	FHLMC STEP	08-28-19	08-27-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,020.00	2.000%	Qrtrly
09-20-16	Union Bank	FNMA	09-20-19	09-20-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 999,030.00	1.300%	Qrtrly
09-29-16	Ladenburg Thalmann	FHLMC STEP	09-29-19	09-29-21	\$ 950,000.00	\$ 950,000.00	\$ 949,078.50	1.500%	Qrtrly
09-30-16	Ladenburg Thalmann	FNMA	Bullet	09-30-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 998,700.00	1.250%	Qrtrly

DESERT WATER AGENCY
GENERAL FUND - LISTING OF INVESTMENTS
JULY 31, 2019

PURCHASE DATE	NAME	DESCRIPTION	CALLABLE	MATURITY DATE	COST	PAR VALUE	MARKET VALUE	YIELD TO MATURITY	CALLABLE STATUS
10-06-16	Ladenburg Thalmann	FHLMC	10-06-19	07-06-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 993,820.00	1.375%	Qtrly
10-17-16	Stifel	FNMA	Bullet	04-17-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 994,000.00	1.250%	1 Time
10-28-16	Union Bank	FHLMC STEP	10-28-19	10-28-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,170.00	2.000%	Qtrly
10-28-16	Stifel	FHLMC STEP	10-28-19	10-28-21	\$ 1,500,000.00	\$ 1,500,000.00	\$ 1,493,550.00	1.500%	Qtrly
11-03-16	Ladenburg Thalmann	FFCB	Continuous	05-03-21	\$ 999,250.00	\$ 1,000,000.00	\$ 989,410.00	1.490%	Continuous
11-15-16	Stifel	FHLMC STEP	08-15-19	11-15-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 999,350.00	2.000%	Qtrly
11-20-16	Ladenburg Thalmann	FHLMC	08-20-19	11-20-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 998,880.00	2.000%	Qtrly
12-14-16	Ladenburg Thalmann	FHLMC	09-14-19	12-14-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 995,570.00	1.750%	Qtrly
12-29-16	Ladenburg Thalmann	FNMA	09-29-19	06-29-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 998,600.00	1.750%	Qtrly
12-30-16	Ladenburg Thalmann	FHLMC	09-30-19	12-30-19	\$ 998,000.00	\$ 1,000,000.00	\$ 997,110.00	1.500%	Qtrly
01-27-17	Ladenburg Thalmann	FNMA	10-27-19	01-27-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 997,170.00	1.650%	Qtrly
01-30-17	Union Bank	FHLB	10-30-19	04-30-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 997,440.00	1.750%	Qtrly
04-20-17	Stifel	FHLMC STEP	Bullet	04-20-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,920.00	2.250%	Bullet
04-27-17	Ladenburg Thalmann	FHLMC	10-27-19	01-27-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 998,450.00	2.000%	Qtrly
06-22-17	Ladenburg Thalmann	FHLMC STEP	09-22-19	06-22-22	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,510.00	2.250%	Qtrly
06-27-17	Union Bank	FHLB	Bullet	09-27-19	\$ 1,000,000.00	\$ 1,000,000.00	\$ 999,030.00	1.500%	Qtrly
06-29-17	Ladenburg Thalmann	FHLMC	09-29-19	09-29-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 995,360.00	1.750%	Qtrly
07-11-17	Ladenburg Thalmann	FHLMC	10-11-19	01-11-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 993,540.00	1.800%	Qtrly
08-07-17	Ladenburg Thalmann	FFCB	Continuous	11-23-20	\$ 999,850.00	\$ 1,000,000.00	\$ 996,210.00	1.770%	Continuous
08-09-17	Stifel	FHLB STEP	08-09-19	02-09-22	\$ 2,000,000.00	\$ 2,000,000.00	\$ 2,000,000.00	1.850%	Qtrly
08-10-17	Ladenburg Thalmann	FHLB STEP	08-10-19	08-10-22	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,080.00	2.000%	Qtrly
09-08-17	Stifel	FHLB STEP	09-08-19	09-08-22	\$ 1,000,000.00	\$ 1,000,000.00	\$ 999,930.00	1.875%	Qtrly
09-28-17	Ladenburg Thalmann	FHLMC STEP	09-28-19	09-28-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 998,940.00	1.750%	Qtrly
09-29-17	Union Bank	FHLMC	09-29-19	09-29-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 995,660.00	1.700%	Qtrly
09-29-17	Stifel	FHLMC STEP	09-29-19	09-29-22	\$ 1,000,000.00	\$ 1,000,000.00	\$ 999,820.00	1.750%	Qtrly
10-26-17	Ladenburg Thalmann	FNMA	10-26-19	07-26-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,000.00	2.000%	Qtrly
12-11-17	Ladenburg Thalmann	FHLB	09-11-19	12-11-20	\$ 999,750.00	\$ 1,000,000.00	\$ 995,740.00	2.000%	Qtrly
12-14-17	Stifel	FFCB	Continuous	12-14-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,010.00	2.060%	Continuous
01-16-18	Ladenburg Thalmann	FHLMC	10-16-19	10-16-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 999,630.00	2.070%	Qtrly
01-26-18	Stifel	FHLMC	10-26-19	01-26-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 998,910.00	2.220%	Qtrly
01-29-18	Union Bank	FHLB	10-29-19	01-29-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 996,690.00	2.200%	Qtrly
01-30-18	Ladenburg Thalmann	FHLB	10-26-19	01-26-21	\$ 999,650.00	\$ 1,000,000.00	\$ 1,000,500.00	2.250%	Qtrly
01-30-18	Union Bank	FHLB	10-30-19	07-30-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 999,920.00	2.100%	Qtrly
02-01-18	Stifel	FFCB	Continuous	02-01-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 999,460.00	2.350%	Continuous
02-12-18	Stifel	FHLB	08-12-19	02-12-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,090.00	2.300%	Qtrly
10-25-18	Stifel	FHLMC	10-25-19	10-25-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,001,720.00	3.100%	Qtrly
10-29-18	Ladenburg Thalmann	FHLB	10-29-19	10-29-20	\$ 999,600.00	\$ 1,000,000.00	\$ 1,001,800.00	2.940%	Continuous
11-20-18	Stifel	FHLMC	11-20-19	11-20-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,002,450.00	3.000%	1 Time
02-26-19	Stifel	FHLMC	02-26-19	08-26-22	\$ 1,000,000.00	\$ 1,000,000.00	\$ 999,890.00	2.750%	Qtrly
03-18-19	Union Bank	FHLB	09-18-19	12-18-20	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,180.00	2.650%	Qtrly
03-25-19	Ladenburg Thalmann	FHLB	09-25-19	03-25-22	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,480.00	2.750%	Qtrly
04-11-19	Stifel	FHLMC	10-11-19	10-11-22	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,810.00	2.700%	Qtrly
04-17-19	Alamo Capital	FHLMC	10-17-19	10-17-22	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,570.00	2.600%	Qtrly
04-18-19	Ladenburg Thalmann	FHLMC	10-18-19	04-18-22	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,790.00	2.650%	Qtrly
04-29-19	Ladenburg Thalmann	FNMA	10-29-19	04-29-22	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,850.00	2.650%	Qtrly
04-30-19	Stifel	FHLMC STEP	10-30-19	04-30-24	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,710.00	2.650%	Qtrly
05-09-19	Union Bank	FHLB	08-09-19	11-09-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,020.00	2.625%	Qtrly
05-13-19	Ladenburg Thalmann	FHLMC	11-13-19	05-13-22	\$ 500,000.00	\$ 500,000.00	\$ 500,565.00	2.650%	Qtrly
05-14-19	Union Bank	FHLB	08-14-19	05-14-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,070.00	2.600%	Qtrly
05-16-19	Alamo Capital	FFCB	08-16-19	05-16-22	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,090.00	2.570%	Continuous
05-23-19	Union Bank	FHLB	08-23-19	05-23-22	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,030.00	2.650%	Qtrly
05-28-19	Alamo Capital	FHLMC	08-27-19	05-27-22	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,200.00	2.625%	Qtrly
06-06-19	Alamo Capital	FFCB	09-06-19	03-06-23	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,130.00	2.580%	Continuous

**DESERT WATER AGENCY
GENERAL FUND - LISTING OF INVESTMENTS
JULY 31, 2019**

PURCHASE DATE	NAME	DESCRIPTION	CALLABLE	MATURITY DATE	COST	PAR VALUE	MARKET VALUE	YIELD TO MATURITY	CALLABLE STATUS
06-06-19	Union Bank	FHLMC	09-06-19	06-06-22	\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,000,060.00	2.550%	Qtrly
06-13-19	Alamo Capital	FFCB	09-13-19	09-13-23	\$ 998,750.00	\$ 1,000,000.00	\$ 1,000,000.00	2.490%	Continuous
06-17-19	Alamo Capital	FFCB	09-17-19	09-17-22	\$ 1,000,000.00	\$ 1,000,000.00	\$ 995,350.00	2.350%	Continuous
06-17-19	Union Bank	FHLB	09-17-19	06-17-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 998,990.00	2.400%	Continuous
06-17-19	Union Bank	FHLMC	09-17-19	06-17-22	\$ 1,000,000.00	\$ 1,000,000.00	\$ 999,260.00	2.500%	Qtrly
06-20-19	Alamo Capital	FHLMC	09-20-19	06-20-24	\$ 1,000,000.00	\$ 1,000,000.00	\$ 999,480.00	2.600%	Qtrly
06-20-19	Stifel	FHLMC	09-20-19	06-20-23	\$ 1,000,000.00	\$ 1,000,000.00	\$ 998,700.00	2.500%	Qtrly
06-24-19	Union Bank	FHLMC	09-24-19	06-24-22	\$ 2,000,000.00	\$ 2,000,000.00	\$ 1,994,840.00	2.500%	Qtrly
06-24-19	Alamo Capital	FHLMC	12-24-19	06-24-24	\$ 1,000,000.00	\$ 1,000,000.00	\$ 994,360.00	2.500%	Qtrly
07-03-19	Alamo Capital	FHLMC	10-03-19	01-03-23	\$ 1,000,000.00	\$ 1,000,000.00	\$ 999,370.00	2.350%	Qtrly
07-03-19	Stifel	FFCB	10-03-19	07-03-23	\$ 1,000,000.00	\$ 1,000,000.00	\$ 999,470.00	2.370%	Continuous
07-08-19	Union Bank	FHLMC	01-08-20	01-08-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 998,430.00	2.000%	1 Time
07-15-19	Stifel	FHLMC	10-15-19	07-15-22	\$ 1,000,000.00	\$ 1,000,000.00	\$ 997,820.00	2.350%	Qtrly
07-15-19	Union Bank	FHLMC	01-15-20	01-15-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 998,250.00	2.100%	1 Time
07-15-19	Ladenburg Thalmann	FHLMC STEP	01-15-20	07-15-24	\$ 1,000,000.00	\$ 1,000,000.00	\$ 999,660.00	2.150%	Qtrly
07-22-19	Union Bank	FHLMC	01-22-20	07-22-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 997,960.00	2.080%	1 Time
07-24-19	Ladenburg Thalmann	FHLMC STEP	10-24-19	07-24-24	\$ 1,000,000.00	\$ 1,000,000.00	\$ 998,720.00	2.200%	Qtrly
07-26-19	Alamo Capital	FHLMC	01-24-20	01-24-22	\$ 1,000,000.00	\$ 1,000,000.00	\$ 997,350.00	2.125%	Qtrly
07-29-19	Stifel	FHLB	01-29-20	04-29-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 998,800.00	2.100%	Qtrly
07-29-19	Union Bank	FHLMC	01-29-20	07-29-21	\$ 1,000,000.00	\$ 1,000,000.00	\$ 997,920.00	2.150%	Qtrly
07-30-19	Stifel	FHLMC STEP	10-30-19	07-30-24	\$ 1,000,000.00	\$ 1,000,000.00	\$ 998,950.00	2.250%	Qtrly

Total Government Agency \$ 95,944,350.00 \$ 95,950,000.00 \$ 95,799,123.50

Weighted Mean YTM 2.175%

TOTAL INVESTED @ 07/31/19 \$ 145,981,365.28 \$ 146,002,379.28 \$ 145,873,579.58
BALANCE @ 06/30/19 \$ 143,271,503.26
INCREASE OR (DECREASE) \$ 2,709,862.02

DESERT WATER AGENCY
STATEMENT OF CASH RECEIPTS AND EXPENDITURES

.D..CSSTAT

WASTEWATER ACCOUNT

JULY 2019

			INVESTED RESERVE FUNDS
BALANCE	JULY 1, 2019	1,452.70	1,400,362.63
ACCOUNTS RECEIVABLE-OTHER	\$ 54,990.69		
CUSTOMER DEPOSITS-CONSTRUCTION	.00		
INTEREST EARNED-INVESTED FUNDS	9,823.19		
WASTEWATER REVENUE	.00		
SEWER CAPACITY CHARGES	52,497.25		
MISCELLANEOUS	.00		
TOTAL RECEIPTS	\$ 117,311.13		
PAYMENTS			
CHECKS UNDER \$10,000.00	\$ 6,354.80		
CHECKS OVER \$10,000.00-SCH.#1	128,497.03		
CANCELLED CHECKS AND FEES	.00		
TOTAL PAYMENTS	\$ 134,851.83		
NET INCOME	(\$ 17,540.70)		
INVESTED RESERVE FUNDS			
FUNDS MATURED	\$ 27,000.00		
FUNDS INVESTED - SCH.#2	9,817.66		
NET TRANSFER	\$ 17,182.34 (\$ 17,182.34)		
BALANCE	JULY 31, 2019	(1,094.34) \$ 1,383,180.29	

DESERT WATER AGENCY

WASTEWATER ACCOUNT

SCHEDULE #1 - CHECKS OVER \$10,000

CHECK #	NAME	DESCRIPTION	AMOUNT
3301	COACHELLA VALLEY WATER DISTRICT	WASTEWATER REVENUE BILLING FOR JUNE 2019	\$59,316.44
3302	CITY OF PALM SPRINGS	WASTEWATER REVENUE BILLING FOR JUNE 2019	\$10,102.04
3303	DESERT WATER AGENCY - OPERATING	WORK ORDER REIMBURSEMENT - PEREZ RD (W/O #12-702-M)	\$21,368.55
3304	COACHELLA VALLEY WATER DISTRICT	SEWER CAPACITY CHARGES JONES CREE VENTURES	\$37,710.00

** TOTAL

\$128,497.03

**DESERT WATER AGENCY
WASTEWATER FUND - LISTING OF INVESTMENTS
JULY 31, 2019**

PURCH DATE	NAME	DESCRIPTION	MATURITY DATE	COST	PAR VALUE	MARKET VALUE	YIELD TO MATURITY
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Local Agency Invstment Fund

06-30-83	State of California	LAIF	Open	\$ 1,383,180.29	\$ 1,383,180.29	\$ 1,383,180.29	2.370%
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TOTAL INVESTED @ 7/31/19	\$ 1,383,180.29	\$ 1,383,180.29	\$ 1,383,180.29
BALANCE @ 06/30/19	\$ 1,400,362.63		
INCREASE OR (DECREASE)	\$ (17,182.34)		

7/31/19

DESERT WATER AGENCY
CONSUMER USE STATISTICS

	ACTIVE METERS	AVE. USE PER METER	CONSUMPTION 100 CU. FT.	REVENUE PER METER	REVENUE
RESIDENTIAL	19,739	47.21	931,913	115.08	2,271,599.51
COMMERCIAL	2,628	125.64	330,184	278.09	730,832.57
WHEATEATER	3	128.67	386	7,008.09	21,024.27
PUBLIC AUTHORITY	265	272.77	72,285	563.10	149,222.25
SUBTOTAL	22,635	58.97	1,334,768	140.17	3,172,678.60
COMM. MAINS	61	82.82	5,052	336.10	20,502.34
PUBLIC AUTH. MAINS					
TOTAL	22,696	59.03	1,339,820	140.69	3,193,180.94
FIRE PUBLIC	1	1.00	1	86.89	86.89
FIRE PRIVATE	556	.16	90	49.50	27,520.99
GRAND TOTAL	23,253	57.62	1,339,911	138.51	3,220,788.82

7/31/19

CONSUMER USE STATISTICS - RECLAMATION WATER

7/31/19

CONSUMERS	AVE. USE PER CONS.	CONSUMPTION 100 CU FT.	REVENUE PER CONS.	REVENUE
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RESIDENTIAL

COMMERCIAL

PUBLIC AUTHORITY

SUBTOTAL

COMM. MAINS

GRAND TOTAL

4	38,960.25	155,841	30,849.16	123,396.64
8	10,730.75	85,846	8,524.89	68,199.13
12	20,140.58	241,687	15,966.31	191,595.77
12	20,140.58	241,687	15,966.31	191,595.77

WATER LOSS REPORTING

SEPTEMBER 3, 2019

OVERVIEW

Reporting background
DWA reports
Legislation & regulation
On the horizon



REAL LOSSES

- Leaks
 - mains
 - service connections
 - valves
 - hydrants

APPARENT LOSSES

- Water theft
- Meter inaccuracies
- Data errors



WATER LOSS REPORTING IN CA

- SB 555 (2015) mandates that water agencies submit annual water loss audits
- First audit required in 2017
- Audits must be validated by someone certified





2016 AUDIT

Oct 1, 2017

data validity: 58/100
apparent loss: 421.8 afy
real loss: 1,861.5 afy
cost: \$694,096



2017 AUDIT

Oct 1, 2018

data validity: 58/100
apparent loss: 450.3 afy
real loss: 3,053.1 afy
cost: \$1,045,587



2018 AUDIT

Oct 1, 2019

data validity: 61/100
apparent loss: 466.1 afy
real loss: 2,250.3 afy
cost: \$946,785

SB 555 2015

Requires annual reports to be submitted to DWR starting in 2017

Requires State Water Board to adopt rules to meet performance standards in place by July 1, 2020

AB 1668 2018

Reporting on water losses (part of target)

Volume for water loss must be in long-term standards

SB 606 2018

Water losses as part of Urban Water Management Plan in 2021

Aggregate water losses as part of annual reports in 2023



Pilot study

ECONOMIC ANALYSIS
UC Davis & UC Berkeley

State Water Board working on allowable water loss

Includes economic assessment - underway now

DWA volunteered to be part of pilot study

Draft results 9/10



State Water Board proposal

- 1 Improved data collection and quality** 2020-2022
- 2 Initial implementation** 2023-2027
- 3 System-wide implementation** 2028-2035
- 4 Ongoing water loss control** 2036



Pressure
management



Active
leakage control



Asset
management



Speed/quality of
repairs

IMPLICATIONS

- More aggressive pipeline replacement
- Pressure monitoring/reduction
- Stronger asset management
- Meter testing, improvement & install
- More data collection & GIS
- Flushing policies



QUESTIONS?

**DESERT WATER AGENCY
MEDIA INFORMATION
AUGUST 2019**

DATE	PACKET PAGE	MEDIA SOURCE	ARTICLE
08/02/19	1-2	DESERT SUN	Calif. The First State To Require Public Notice Of 5,000 'Forever Chemicals'
08/17/19	3-6	DESERT SUN	Colorado River Cutbacks Set
08/19/19	7	DESERT SUN	Judge Won't Reconsider Agua Caliente Water Ruling

Calif. the first state to require public notice of 5,000 'forever chemicals'

Governor signs bill despite opposition from water agencies

Janet Wilson, August 2, 2019

California on Wednesday became the first state in the nation to require water suppliers who monitor a broad class of toxic "forever chemicals" to notify customers if they're present in drinking water.

That could include sites from Los Angeles International Airport to military bases across the desert to refineries and other industry in low income neighborhoods.

Gov. Gavin Newsom signed AB 756, authored by Assemblywoman Cristina Garcia, D-Bell Gardens, late Wednesday with no fanfare.

"I'm very happy that he signed the bill, very excited," Garcia said Tuesday evening. "This is a good first step. I want to make sure we're testing all the wells and that we understand the scope of the problem and then clean it up."

Garcia said she sponsored the legislation because her constituents and others have been exposed for too long to industrial pollution.

"These are really dangerous chemicals that just collect in our bodies, and I think the consumer, the public should be worried, and as informed as possible," she said. "A lot of water agencies were lobbying against it at the end, so I was worried it might not get signed."

The Association of California Water Agencies had urged Newsom to veto the bill, saying there isn't technology to test for thousands of the chemicals, and that notifying consumers about substances that are in many cases still being studied could undermine their confidence in public water safety.

But advocates said new technology was being developed and the public has a right to know if toxic chemicals are in their water.

The PFAS chemicals, which have been widely used in everything from firefighting foam to Teflon pans, rain gear and even some dental floss, have been linked in research to cancers, developmental problems and thyroid and liver disease.

They're known as "forever chemicals" because they don't break down in the environment or in human bodies.

More than 2.4 million people across Los Angeles, Riverside and Orange Counties may be exposed to the dangerous chemicals, according to estimates by environmental advocates and based on U.S. Environmental Protection Agency data.

Major airports, military bases and refineries are all conducting testing or will be, per state requirements.

While New Hampshire and New Jersey have imposed limits on two PFAS chemicals, California's law would mandate that consumers receive information on about 5,000 of them if they're detected.

Janet Wilson is senior environment reporter for The Desert Sun and authors USA TODAY's Climate Point. She can be reached at @janetwilson66 or janet.wilson@desertsun.com

COLORADO RIVER CUTBACKS SET

Arizona, Nevada, Mexico must take less water

Ian James, August 17, 2019

PHOENIX – Arizona, Nevada and Mexico will be required to take less water from the Colorado River for the first time next year under a set of agreements that aim to keep enough water in Lake Mead to reduce the risk of a crash.

The federal Bureau of Reclamation activated the mandatory reductions in water deliveries on Thursday when it released projections showing that as of Jan. 1, the level of Lake Mead will sit just below a threshold that triggers the cuts.

Arizona and Nevada agreed to leave a portion of their water allotments in the reservoir under a landmark deal with California called the Lower Basin Drought Contingency Plan, which the states' representatives signed at Hoover Dam in May.

California agreed to contribute water at a lower trigger point if the reservoir continues to fall. And Mexico agreed under a separate accord to start contributing to help prop up Lake Mead, which is now 39% full.

The Colorado River's reservoirs have dropped dramatically since 2000 during one of the most extreme droughts in centuries. Farms and cities across the Southwest have long been taking more from the river than what flows into it, and climate change is adding to the strains by pushing up temperatures.

Reservoirs were approaching levels last year that would have triggered a shortage and required deeper cuts, but heavy snow across much of the Rocky Mountains this winter boosted runoff and raised reservoir levels. The river's reservoirs are now at 55% of total capacity, up from 49% at the same time last year.

But Lake Mead is still projected to be just below the threshold of 1,090 feet above sea level at the beginning of next year. That will put the reservoir in a zone called "Tier Zero," at which the first cuts take effect.

"While we appreciate this year's above-average snowpack, one good year doesn't mean the drought is over. We must remain vigilant," federal Reclamation Commissioner Brenda Burman said in a statement. She applauded the seven states that depend on the river for coming together to finish the set of drought-contingency plans. Burman said the actions laid out under those agreements "will help ensure the reliability of the Colorado River system for the 40 million people dependent upon it."

Arizona will see a cut of 192,000 acre-feet in water deliveries next year, or 6.9% of its total allotment of 2.8 million acre-feet. Nevada's share will be reduced by 8,000 acre-feet, while Mexico's will take 41,000 acre-feet less. That water will remain in Lake Mead, and will only be recovered once the reservoir rises above an elevation of 1,100 feet.

The cuts under the Drought Contingency Plan, or DCP, represent 12% of the total water supply for the Central Arizona Project, which delivers water by canal to Phoenix, Tucson and other areas.

Chuck Cullom, manager of Colorado River programs for CAP, said this reduction will mean “eliminating the water that would have been available for underground storage, banking and replenishment,” and cutting CAP deliveries to agriculture by about 15%.

That reduction, while significant, is about the same as what CAP has been leaving voluntarily in Lake Mead since 2015 through conservation efforts, Cullom wrote in a blog post. “In essence, CAP and its water users have been planning and preparing for Tier Zero reductions for the past five years. The difference is that those previous contributions were voluntary — now, under DCP, these contributions are mandatory.”

‘Excess water’ will soften the blow

Arizona has already been effectively operating as if it were in Tier Zero for several years, said Sarah Porter, director of Arizona State University’s Kyl Center for Water Policy.

“That used to be ‘excess’ water, which Arizona banked and had other uses for. And now it’s being committed to Lake Mead,” Porter said.

She said the drought-contingency plan helps the situation by laying out a collective response if the reservoir drops again.

“One good year isn’t enough,” Porter said. “No matter what happens, we are as of now in a better position to deal with the future than we were before the DCP was signed.”

The drought-contingency plans — one for the three Lower Basin states and the other for the Upper Basin states of Colorado, Wyoming, Utah and New Mexico — are designed to prop up the levels of Lake Mead and Lake Powell, the nation’s largest reservoirs, between 2020 and 2026.

Negotiations are set to begin next year a new set of guidelines for managing shortages after 2026. The Colorado River and its tributaries provide water for about 40 million people and more than 5 million acres of farmland from Wyoming to Southern California.

The legal framework that divides the Colorado River among seven states and Mexico was established during much wetter times nearly a century ago, starting with the 1922 Colorado River Compact. That and subsequent agreements have allocated far more water than what flows in the river in an average year, leading to chronic overuse.

For decades, the river has been so heavily used that it seldom reaches the sea. Its delta in Mexico has shriveled, leaving only small wetlands in a dusty stretch of desert.

‘The beginning of a solution’

Planet-warming pollution and rising global temperatures have increasingly affected the river. Scientific research has found that about half the trend of decreasing runoff from 2000-2014 in the Upper Colorado River Basin was the result of unprecedented warming. Higher temperatures have reduced the flow of streams and increased the amount of water that evaporates off the landscape.

The river's flow from 2000-2019 has decreased by about 17% from the 20th-century average. And climate models point to even drier conditions as the world continues to heat up due to greenhouse gases.

In one study, climate scientists Brad Udall and Jonathan Overpeck used climate models to estimate a business-as-usual scenario of greenhouse gas emissions. They projected that without changes in precipitation, warming will likely cause the Colorado River's flow to decrease by 35% or more by the end of the century.

These first mandatory cutbacks on the Colorado River represent "the first acknowledgment that we have a problem and we need to solve it," said Udall, a water and climate scientist at Colorado State University. "It's the beginning of a solution and it's also the beginning of the real problem. I mean, as much as we've seen this problem in the last 20 years, the climate models really project a grim future with regard to temperatures."

Udall said the river's shrinking flow adds to other dramatic symptoms of the changing climate, from this summer's heatwave in Europe to the melting of ice in Greenland and the wildfires in Siberia.

"We can solve this climate problem. We just need to acknowledge it and get to work solving it," Udall said. "Despite the fact that we had a great year here, as far as I'm concerned, it's a little bit of a respite and we should enjoy it and thank Mother Nature, and get back to work on solving the problem."

Farmers planning for a drier future

Arizona gets nearly 40% of its water from the Colorado River. The state's plan for divvying up the water cutbacks under the Drought Contingency Plan involves deliveries of "mitigation" water to help lessen the blow for some farmers and other

entities, as well as compensation payments for those that contribute water.

Arizona's plan also relies on promoting more pumping of groundwater. Farmers in central Arizona's Pinal County, who face the biggest water cutbacks, are in line to get \$9 million that was appropriated by the Legislature for irrigation districts to drill new wells and pay for other infrastructure as they turn to using more groundwater. Lawmakers also agreed to provide a \$20 million to help the districts start the work while they pursue federal funding.

Paul Orme, a lawyer who represents four agricultural irrigation districts, said next year's CAP water cuts to agriculture aren't likely "to have too much of an impact" in Pinal County, at least not yet.

"We are planning for a drier future," Orme said in an email. He said growers in Pinal "will need to be as efficient as we possibly can, and will need to maximize and protect our groundwater resources to the greatest extent possible."

A year ago, water managers had been talking about the possible declaration of a shortage at Lake Mead, which would have brought even bigger water cuts. But the heavy winter snows this year brought a reprieve by unleashing above average runoff, raising Lake Powell's level by more than 50 feet over the past five months.

"It's kind of amazing what a difference a year makes," said Cynthia Campbell, a water adviser for Phoenix. "But having said that, I have to say, we could go right back to the place where we are looking down the barrel of shortage again."

Conservation efforts have also made a big difference, said John Fleck, director of the University of New Mexico Water Resources Program. He pointed out that Arizona, Nevada and California have all voluntarily conserved significant amounts of water, helping to boost the levels of Lake Mead. California is forecast to use 10% less than its full allotment this year.

"Even before the mandatory cuts laid out in the DCP, the states were already recognizing the importance of this," Fleck said. "We haven't seen the catastrophe that people thought would happen. We've seen voluntary measures, communities learning how to use less water, in a way that shows we can do this."

He said those strides in conservation are a positive sign for the future.

"We're already learning how to reduce our water use in a way that preserves the economies ... and the communities that depend on Colorado River water," Fleck said. "It will only get harder. But we're already building the sort of community resilience we need to live with reduced water."

A new era of limits

While California signed on to the drought agreement, the state's Imperial Irrigation District balked at participating.

Imperial, which holds the single largest share of Colorado River water, is suing to challenge the deal.

The district's officials have called for the federal government to commit funding to help address a worsening environmental crisis at the Salton Sea, which is shrinking and exposing dry lakebed that sends dust blowing into surrounding communities. "The air quality problems in Imperial are significant, and the Salton Sea is a piece of that," Fleck said. "So, we've got to figure out how to protect those communities that are vulnerable as we conserve more water."

Jennifer Pitt, the Colorado River program director for the National Audubon Society, agreed that it will be critical to find solutions for the Salton Sea that protect people's health as well as habitat for birds.

She said having the drought agreement in place now gives water managers several years to study scenarios of extremes, and come up with new rules to "create the resilience that we need in the Colorado River basin to respond to whatever conditions are coming our way."

The agreement and these first water cutbacks represent a proactive effort to have plans ready to avoid a crisis, Pitt said.

"This is a new era in the Colorado River in which it is an era of limits," she said. "I think the question is, as warming in this basin continues to diminish the supply, can we continue down this path of collaborative agreements?"

Judge won't reconsider Agua Caliente water ruling

Risa Johnson, August 19, 2019

A U.S. District Court judge has denied a motion from the federal government to reconsider a ruling on the Agua Caliente Band of Cahuilla Indians' lawsuit against two Coachella Valley water agencies.

The court previously ruled that the federal government and tribe had failed to provide evidence of injury "to the Tribe's federally reserved water right." Since the motion to reconsider was denied, a hearing set for Monday was canceled.

In his ruling, U.S. District Judge Jesus Bernal called the motion to reconsider a "thinly veiled attempt to relitigate the summary judgment motions."

The tribe claims in its 2013 lawsuit that the Desert Water Agency and the Coachella Valley Water District have infringed upon its rights by over-pumping groundwater from the Coachella Valley's aquifer.

The tribe has support from the U.S. Justice Department in its suit.

The landmark case determined that the tribe has reserved rights to the aquifer below the Agua Caliente reservation's land. However, other key parts of the case were dismissed in April by Bernal, who ruled that the tribe did not have a claim of harm because it has always had enough water — water that met all applicable water-quality standards.

John Powell Jr., Coachella Valley Water District board president, said the district was pleased with the ruling and ready to move forward.

"Our top priority is and always has been to protect our groundwater supplies to ensure a sustainable, reliable water future for everyone in the Coachella Valley," Powell said in a written statement. "We are part of this community and we are committed to its environmental and economic success."

Joseph Stuart, Desert Water Agency board president, said the tribe is "an important partner" in the region.

"We'll continue serving their properties as we always have and look forward to opportunities to collaborate in the future," Stuart said in a written statement.

A tribal spokeswoman declined to comment on the ruling, deferring to the tribe's stance in its court filings.

DESERT WATER AGENCY

OUTREACH & CONSERVATION ACTIVITIES

AUGUST 2019

Activities:

- 8/01-8/31 Conservation staff conducted five inspections during the month of August.
- 8/01 Ashley Metzger attended Greater Coachella Valley Chamber's Business @ Breakfast.
- 8/01 Ashley Metzger was on a live segment with KESQ featuring back to school hydration and conservation tips.
- 8/01 Ashley Metzger was on the Joey English radio show.
- 8/06 Mark Krause did a phone interview with Palm Springs Life for their Annual Progress Edition.
- 8/07 – 8/08 Ashley Metzger attended the NWRA Western Water Seminar conference.
- 8/09 Ashley Metzger was on a live segment with KESQ regarding the Coachella Valley Regional Water Management Group.
- 8/12 Ashley Metzger attended the DWR-CRFA Prop 1 pre-application workshop.
- 8/14 Esther Saenz and Ashley Metzger attended the California Financing Coordination Committee Funding Fair.
- 8/15 Xochitl Peña was on a live segment with KESQ regarding DWA's Rebate Workshop.
- 8/16 Xochitl Peña gave a presentation at the Cathedral City Senior Center.
- 8/19 Ashley Metzger attended Mission Springs Water District's Board Meeting.
- 8/21 DWA hosted a Rebate Workshop.
- 8/22 Ashley Metzger was on a live segment with KESQ regarding new bottle fillers at Palm Springs International Airport.
- 8/23 Ashley Metzger participated on a panel for Conservation and Outreach new hire interviews at Indio Water Authority.
- 8/27 Mark Krause, Ashley Metzger and staff participated in a video shoot for ACWA about groundwater sustainability.
- 8/29 Ashley Metzger was on a live segment with KESQ highlighting over-seeding tips.

Public Information Releases/eBlasts/Customer notifications:

August 07: DWA hosts rebate workshop for new & easier programs – website

August 19: Water pipeline flushing – Wednesday – Nextdoor

August 29: Desert Water Agency Workshop Presentation – City of Palm Springs' Nextdoor

Upcoming Events:

September 4 - noon – Rebate programs launch

September 5 - 7:30 to 9:00 – Greater Coachella Valley Chamber Business @ Breakfast, Bellatrix

September 7 - 9:00 to 11:00 – DHS Neighborhood Group monthly breakfast, Las Palmas Mexican Cuisine

September 12 - 11:30 to 1:30 – Desert Valley Business Association Official Luncheon, Agua Caliente


September 20 - 10:00 to 2:00 – ACWA Region 8 panel, Brookside Club Pasadena

September 24 - 8:00 to 11:00 – Palm Springs Hospitality Association Food Waste Seminar, Palm Springs Hilton

September 25 - 5:00 to 7:00 – State of the City, Plaza Theatre

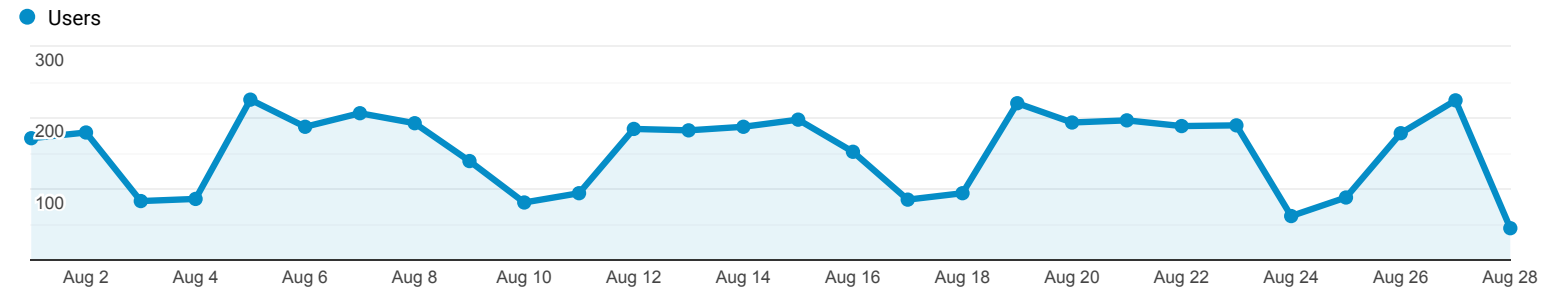
September 26 - 11:15 to 1:15 – All Valley Mayor and Tribal Chair Lunch, Riviera

Audience Overview

 All Users
100.00% Users


Aug 1, 2019 - Aug 28, 2019

Overview




Users

3,587




New Users

2,994



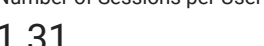
Sessions

4,708




Number of Sessions per User

1.31



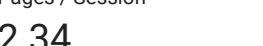
Pageviews

11,031



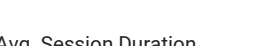
Pages / Session

2.34




Avg. Session Duration

00:01:48

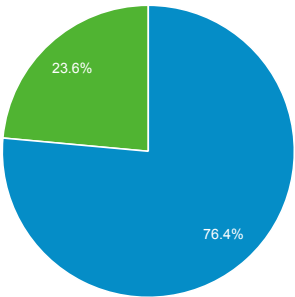


Bounce Rate

45.48%



■ New Visitor ■ Returning Visitor



Language		Users	% Users
1.	en-us	3,421	95.37%
2.	en-gb	51	1.42%
3.	en-ca	40	1.12%
4.	ko	8	0.22%
5.	es-419	7	0.20%
6.	es-es	7	0.20%
7.	en	6	0.17%
8.	zh-cn	6	0.17%
9.	fr-fr	5	0.14%
10.	en-au	4	0.11%

Desert Water Agency Facebook Analytics August 2019



Page Summary Last 28 days ↕

Export Data ↕

Results from Jul 31, 2019 - Aug 27, 2019

Note: Does not include today's data. Insights activity is reported in the Pacific time zone. Ads activity is reported in the time zone of your ad account.

Organic Paid

Actions on Page

July 31 - August 27



We have insufficient data to show for the selected time period.

Page Views

July 31 - August 27

182

Total Page Views ▲6%



Page Previews

July 31 - August 27

11

Page Previews ▲56%



Page Likes

July 31 - August 27

9

Page Likes ▲28%



Post Reach

July 31 - August 27

1,969

People Reached ▼28%



Story Reach

July 31 - August 27

Get Story Insights

See stats on how your Page's story is performing.

[Learn More](#)

Recommendations

July 31 - August 27



We have insufficient data to show for the selected time period.

Post Engagements

July 31 - August 27

205

Post Engagement ▼27%



Videos





























































July 31 - August 27

14

3-Second Video Views ▲0%



Facebook Analytics August 2019 continued

Published	Post	Type	Targeting	Reach	Engagement	Promote
08/28/2019 9:48 AM	 It's our last #InfusedWaterWednesday for the			47 	1 1 	Boost Post
08/26/2019 10:00 AM	 Water we talking about? A pool cover helps cut back on water loss due to			96 	4 4 	Boost Post
08/21/2019 11:00 AM	 Great turnout for our rebate workshop. Participants got a sneak			1.5K 	65 16 	Boost Post
08/19/2019 10:00 AM	 Water we talking about? Avoid using running water to thaw food. Instead			101 	6 4 	Boost Post
08/15/2019 10:00 AM	 Good Job! Our customers used 21 percent less water last month than in			94 	8 6 	Boost Post
08/14/2019 10:41 AM	 We've got pineapple + mango water in our lobby for			133 	11 10 	Boost Post
08/12/2019 12:03 PM	 Water we talking about? Replace older appliances with new, water-			95 	1 4 	Boost Post
08/09/2019 10:00 AM	 Plan to pool hop during Splashhouse? Have fun and stay			103 	0 3 	Boost Post
08/08/2019 10:10 AM	 Join us for a Rebate Workshop at 9 a.m. on Aug. 21 at our main office in			125 	4 5 	Boost Post
08/07/2019 9:13 AM	 Welcome back Palm Springs Unified School District! Hope you had a great			119 	5 4 	Boost Post
08/05/2019 10:00 AM	 Water we talking about? Water saving tips. Don't let the faucet run while you			138 	3 7 	Boost Post
08/01/2019 10:00 AM	 It's National Water Quality Month. We are committed to delivering quality			114 	6 6 	Boost Post

Facebook Analytics August 2019 continued

Total Page Likes as of Today: 1,199

Create Post



BENCHMARK

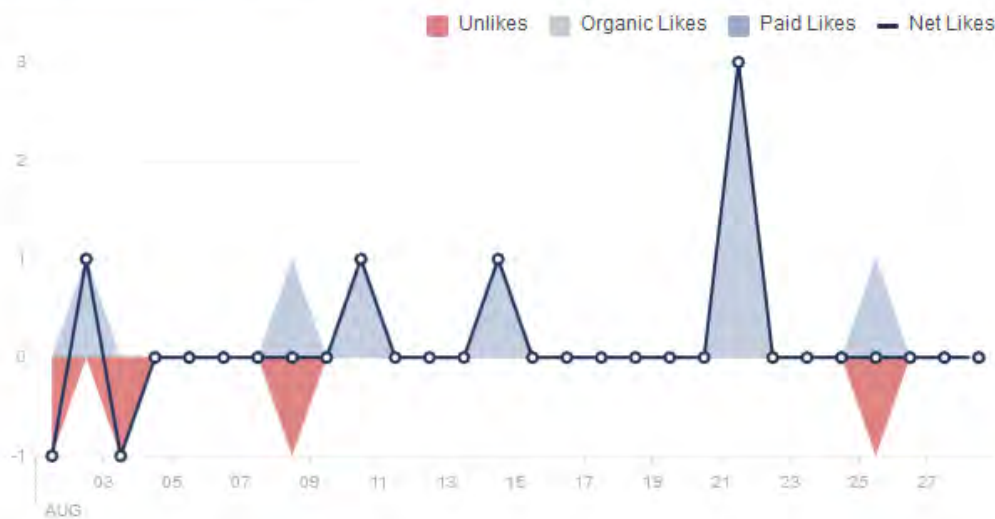
Compare your average performance over time.

Total Page Likes

Net Likes

Net likes shows the number of new likes minus the number of unlikes.

Create Post



BENCHMARK

Compare your average performance over time.

Unlikes

Organic Likes

Paid Likes

Net Likes

WANT MORE LIKES?

Create an ad to get more people to like your Page.

Promote Page

Instagram August 2019



153 impressions



229 impressions



207 impressions



155 impressions



225 impressions



185 impressions



227 impressions



191 impressions



186 impressions



Desert Water Agency

1200 S Gene Autry Trl, Palm Springs



Desert Water Agency

22,690 members

[Invite](#)

28% of 60,716 households

140 neighborhoods



Outreach & Conservation Manager Ashley Metzger, Desert Water Age...



Water pipeline flushing - Wednesday

Starting at around 10 a.m. on Wednesday (August 21) we will flush out the pipeline that was just installed. This is something we must do to safely initiate water service from the pipeline. You may notice water flowing down the road for several hours. Please contact me if you have any questions (ashley@dwa.org, 760-323-4971 ext See more...

19 Aug · Subscribers of Desert Water Agency in 1 neighborhood



Like



Reply



60 Impressions

Desert Water Agency Twitter Analytics August 2019



Tweets
2,088

Following
1,534

Followers
1,155

Aug 2019 • 27 days so far...

TWEET HIGHLIGHTS

Top Tweet earned 2,040 impressions

Water we talking about? Water saving tips. Don't let the faucet run while you rinse vegetables. Rinse them in a bowl and then use the leftover water on your plants. pic.twitter.com/eYUKbmae2C



4 6

[View Tweet activity](#)

[View all Tweet activity](#)

Top Follower followed by 5,482 people



Jud Mackrill

@JudMackrill **FOLLOWS YOU**

CMO, fintech advisor & designer alongside @kimmackrill | helping advisory firms grow | CMO @carsongroupinc, Co-founder of @getmineral (acq. by Carson Group)

[View profile](#)

[View followers dashboard](#)

Top mention earned 29 engagements

NWRA
@NWRA_Water - Aug 8

Some of the top public affairs experts in #water are discussing media engagement during the NWRA Western Water Seminar! Great thoughts from Jennifer Persike @jgpersike Ashley Metzger @DWAwater Karry Rathje @wcwcd Chris Treese @ColoradoWater Excellent panel and perspectives! pic.twitter.com/2qTgdUKtFk



3 10

[View Tweet](#)

Top media Tweet earned 1,763 impressions

Congrats to @PSFire1 for the reopening of Station 4 after extensive renovations. Looking good! #PalmSprings pic.twitter.com/CYggTsyfHt



2 5

[View Tweet activity](#)

[View all Tweet activity](#)

ADVERTISE ON TWITTER

Get your Tweets in front of more people

Promoted Tweets and content open up your reach on Twitter to more people.

[Get started](#)

AUG 2019 SUMMARY

Tweets
12

Tweet impressions
14.3K

Profile visits
309

Mentions
9

New followers
9