



S A W P A

SANTA ANA WATERSHED PROJECT AUTHORITY

11615 Sterling Avenue, Riverside, California 92503 • (951) 354-4220

REGULAR COMMISSION MEETING TUESDAY, OCTOBER 15, 2019 – 9:30 A.M.

AGENDA

1. **CALL TO ORDER/PLEDGE OF ALLEGIANCE** (Ronald W. Sullivan, Chair)

2. **ROLL CALL**

3. **PUBLIC COMMENTS**

Members of the public may address the Commission on items within the jurisdiction of the Commission; however, no action may be taken on an item not appearing on the agenda unless the action is otherwise authorized by Government Code §54954.2(b).

4. **CONSENT CALENDAR**

All matters listed on the Consent Calendar are considered routine and non-controversial and will be acted upon by the Commission by one motion as listed below.

- A. **APPROVAL OF MEETING MINUTES: OCTOBER 1, 2019**7
Recommendation: Approve as posted.
- B. **TREASURER’S REPORT – SEPTEMBER 2019**11
Recommendation: Approve as posted.

5. **NEW BUSINESS**

- A. **CALPERS UNFUNDED LIABILITY PAYMENT OPTIONS (CM#2019.105)**17
Presenter: Karen Williams
Recommendation: Review and discuss options to pay-off the CalPERS Unfunded Liability.
- B. **PROJECT AGREEMENT 25 (ONE WATER ONE WATERSHED) | PROJECT AGREEMENT 26 (ROUNDTABLES/TASK FORCES) (CM#2019.106)**55
Presenter: Larry McKenney
Recommendation: Approve Project Agreement 25 (One Water One Watershed); approve Project Agreement 26 (Roundtables/Task Forces); and, direct the Clerk of the Board to seek member agency approval and execution.

- C. [NETWORK COORDINATOR CONSULTANT FOR THE CALIFORNIA IRWM
 ROUNDTABLE OF REGIONS | JM CONSULTANTS \(CM#2019.109\)](#)69
Presenter: Ian Achimore
Recommendation: Authorize the General Manager to execute an Agreement for Services and Task Order No. JMC373-01 with JM Consultants in the amount of \$54,454 to serve as Network Coordinator consultant for the California IRWM Roundtable of Regions.
- D. [STAFF TECHNOLOGY | iPADS \(CM#2019.110\)](#)115
Presenter: Rich Haller
Recommendation: Receive and file.

6. INFORMATIONAL REPORTS

Recommendation: Receive for information.

- A. [CASH TRANSACTIONS REPORT – AUGUST 2019](#)119
Presenter: Karen Williams
- B. [INTER-FUND BORROWING – AUGUST 2019 \(CM#2019.107\)](#)127
Presenter: Karen Williams
- C. [PERFORMANCE INDICATORS/FINANCIAL REPORTING – AUGUST 2019
 \(CM#2019.108\)](#)133
Presenter: Karen Williams
- D. [FOURTH QUARTER FYE 2019 EXPENSE REPORTS](#)155
 - General Manager
 - Staff**Presenter:** Karen Williams
- E. [GENERAL MANAGER REPORT](#)159
- F. [STATE LEGISLATIVE REPORT](#)167
Presenter: Rich Haller
- G. [SAWPA GENERAL MANAGERS MEETING NOTES](#)173
 - October 8, 2019
- H. [CHAIR’S COMMENTS/REPORT](#)
- I. [COMMISSIONERS’ COMMENTS](#)
- J. [COMMISSIONERS’ REQUEST FOR FUTURE AGENDA ITEMS](#)

7. CLOSED SESSION

- A. [PUBLIC EMPLOYEE ANNUAL PERFORMANCE EVALUATION – PURSUANT TO
 GOVERNMENT CODE SECTION 54957](#)
 Title: General Manager

8. ADJOURNMENT

Americans with Disabilities Act: If you require any special disability related accommodations to participate in this meeting, call (951) 354-4230 or email kberry@sawpa.org. 48-hour notification prior to the meeting will enable staff to make reasonable arrangements to ensure accessibility for this meeting. Requests should specify the nature of the disability and the type of accommodation requested.

Materials related to an item on this agenda submitted to the Commission after distribution of the agenda packet are available for public inspection during normal business hours at the SAWPA office, 11615 Sterling Avenue, Riverside, and available at www.sawpa.org, subject to staff's ability to post documents prior to the meeting.

Declaration of Posting

I, Kelly Berry, Clerk of the Board of the Santa Ana Watershed Project Authority declare that on Thursday, October 10, 2019, a copy of this agenda has been uploaded to the SAWPA website at www.sawpa.org and posted at the SAWPA office, 11615 Sterling Avenue, Riverside, California.

/s/

Kelly Berry, CMC

2019 SAWPA Commission Meetings/Events/Important Dates

First and Third Tuesday of the Month

(NOTE: Unless otherwise noticed, all Commission Workshops/Meetings begin at **9:30 a.m.**, and are held at SAWPA.)

March		April	
3/5/19	Commission Workshop	4/2/19	Commission Workshop
3/19/19	Regular Commission Meeting	4/16/19	Regular Commission Meeting
3/29/19	OWOW Conference 2019, Cal State Fullerton		
May		June	
5/7/19	Commission Workshop [cancelled]	6/4/19	Commission Workshop
5/7 – 5/10/19	ACWA Spring Conference, Monterey	6/18/19	Regular Commission Meeting
5/21/19	Regular Commission Meeting		
July		August	
7/2/19	Commission Workshop	8/6/19	Commission Workshop
7/16/19	Regular Commission Meeting	8/20/19	Regular Commission Meeting
September		October	
9/3/19	Commission Workshop	10/1/19	Commission Workshop
9/17/19	Regular Commission Meeting	10/15/19	Regular Commission Meeting
November		December	
11/5/19	Commission Workshop	12/3/19	Commission Workshop
11/19/19	Regular Commission Meeting	12/3 – 12/6/19	ACWA Fall Conference, San Diego
		12/17/19	Regular Commission Meeting

2020 SAWPA Commission Meetings/Events

First and Third Tuesday of the Month

(NOTE: Unless otherwise noticed, all Commission Workshops/Meetings begin at **9:30 a.m.** and are held at SAWPA.)

January		February	
1/7/20	Commission Workshop	2/4/20	Commission Workshop
1/21/20	Regular Commission Meeting	2/18/20	Regular Commission Meeting
March		April	
3/3/20	Commission Workshop	4/7/20	Commission Workshop
3/17/20	Regular Commission Meeting	4/21/20	Regular Commission Meeting
May		June	
5/5/20	Commission Workshop	6/2/20	Commission Workshop
5/5 – 5/8/20	ACWA Spring Conference, Monterey	6/16/20	Regular Commission Meeting
5/19/20	Regular Commission Meeting		
July		August	
7/7/20	Commission Workshop	8/4/20	Commission Workshop
7/21/20	Regular Commission Meeting	8/18/20	Regular Commission Meeting
September		October	
9/1/20	Commission Workshop	10/6/20	Commission Workshop
9/15/20	Regular Commission Meeting	10/20/20	Regular Commission Meeting
November		December	
11/3/20	Commission Workshop	12/1/20	Commission Workshop
11/17/20	Regular Commission Meeting	12/1 – 12/4/20	ACWA Fall Conference, Indian Wells
		12/15/20	Regular Commission Meeting

SAWPA COMPENSABLE MEETINGS

Commissioners and Alternate Commissioners will receive compensation for attending the meetings listed below, pursuant to the Commission Compensation, Expense Reimbursement, and Ethics Training Policy.

IMPORTANT NOTE: These meetings are subject to change. Prior to attending any meetings listed below, please confirm meeting details by viewing the website calendar using the following link:

<https://sawpa.org/sawpa-calendar/>

MONTH OF: October 2019

DATE	TIME	MEETING DESCRIPTION	LOCATION
10/1/19	8:30 AM	PA 23 Committee Mtg	SAWPA
10/1/19	10:00 AM	PA 24 Committee Mtg	SAWPA
10/17/19	4:00 PM	LESJWA Board of Directors Mtg	Elsinore Valley MWD 31315 Chaney Street Lake Elsinore, CA 92530
10/22/19	9:00 AM	MSAR TMDL Task Force Mtg	SAWPA
10/22/19	1:30 PM	Emerging Constituents Program Task Force Mtg	SAWPA
10/23/19	9:00 AM	Lake Elsinore/Canyon Lake TMDL Task Force Mtg	SAWPA
10/24/19	8:00 AM	PA 22 Committee Mtg	CANCELLED
10/25/19	1:30 PM	Basin Monitoring Program Task Force Mtg	SAWPA

MONTH OF: November 2019

DATE	TIME	MEETING DESCRIPTION	LOCATION
11/5/19	10:00 AM	PA 24 Committee Mtg	SAWPA
11/12/19	1:30 PM	Lake Elsinore/Canyon Lake TMDL Task Force Mtg	SAWPA
11/13/19	9:30 AM	Basin Monitoring Program Task Force Mtg	SAWPA
11/13/19	1:30 PM	Emerging Constituents Program Task Force Mtg	SAWPA
11/21/19	8:00 AM	PA 22 Committee Mtg	SAWPA
11/21/19	11:00 AM	OWOW Steering Committee Mtg	SAWPA

Please Note : We strive to ensure the list of Compensable Meetings set forth above is accurate and up-to-date; the list is compiled based on input from SAWPA staff and Department Managers regarding meeting purpose and content.

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**SAWPA COMMISSION
REGULAR MEETING MINUTES
OCTOBER 1, 2019**

COMMISSIONERS PRESENT

Ronald W. Sullivan, Chair, Eastern Municipal Water District
Kati Parker, Vice Chair, Inland Empire Utilities Agency
Denis R. Bilodeau, Secretary-Treasurer, Orange County Water District (9:38 a.m.)
Brenda Dennstedt, Western Municipal Water District
T. Milford Harrison, San Bernardino Valley Municipal Water District

COMMISSIONERS ABSENT

**ALTERNATE COMMISSIONERS
PRESENT; NON-VOTING**

Jasmin A. Hall, Alternate, Inland Empire Utilities Agency
June D. Hayes, Alternate, San Bernardino Valley Municipal Water District

STAFF PRESENT

Rich Haller, Larry McKenney, Karen Williams, Mark Norton, Carlos Quintero, David Ruhl, Rick Whetsel, Ian Achimore, Marie Jauregui, Kelly Berry

The Regular Commission Meeting of the Santa Ana Watershed Project Authority was called to order at 9:34 a.m. by Chair Sullivan at the Santa Ana Watershed Project Authority, 11615 Sterling Avenue, Riverside, California.

1. CALL TO ORDER | PLEDGE OF ALLEGIANCE

2. ROLL CALL

Roll call was duly noted and recorded by the Clerk of the Board.

3. PUBLIC COMMENTS

There were no public comments.

4. CONSENT CALENDAR

A. APPROVAL OF MEETING MINUTES: SEPTEMBER 17, 2019

Recommendation: Approve as posted.

MOVED, approve the Consent Calendar.

Result:	Adopted (Unanimously)
Motion/Second:	Dennstedt/Parker
Ayes:	Dennstedt, Harrison, Parker, Sullivan
Nays:	None
Abstentions:	None
Absent:	Bilodeau

5. NEW BUSINESS

A. DISADVANTAGED COMMUNITY INVOLVEMENT (DCI) PROGRAM STATUS – EDUCATION & ENGAGEMENT PROGRAMS (CM#2019.101)

Rick Whetsel provided a PowerPoint presentation briefly highlighting the nine (9) projects received prior to the September 27, 2019 application deadline for Technical Assistance for the DCI Program; copies were provided to the Commission, staff and the public.

Commissioner Bilodeau arrived at 9:38 a.m., during the PowerPoint presentation for Agenda Item No. 5.A.

This item was for informational purposes; no action was taken on Agenda Item No. 5.A.

B. 2020 MEDICAL INSURANCE CAP (CM#2019.102)

Rich Haller provided a brief report on the changes expected for the ACWA/JPIA 2020 Medical Plan Rates effective January 1, 2020. Haller reported that the Kaiser Family Plan rate will increase by \$36.48 per month, necessitating staff's recommendation to increase the medical cap from \$1,745.45 to \$1,781.93 commencing January 1, 2020.

MOVED, direct staff to adjust the medical insurance cap from \$1,745.45 to \$1,781.93, which reflects the ACWA/JPIA 2020 Kaiser Family Plan rate.

Result:	Adopted (Unanimously)
Motion/Second:	Harrison/Dennstedt
Ayes:	Bilodeau, Dennstedt, Harrison, Parker, Sullivan
Nays:	None
Abstentions:	None
Absent:	None

C. OWOW PROPOSITION 1 ROUND 1 INTEGRATED REGIONAL WATER MANAGEMENT PROJECT GRANT APPLICATION AND RELATED AGREEMENTS (CM#2019.103)

Ian Achimore provided a PowerPoint presentation about the Proposition 1 Round 1 IRWM project grant application, which was slightly revised from the presentation contained in the agenda packet on pages 20 – 24. DWR provided feedback on the eleven projects during a pre-application workshop; several project proponents are making changes based on DWR feedback. None of the presented projects were deemed ineligible based on DWR's review. Upon Commission approval, final submittal will be presented to DWR by the November 1 grant application deadline.

MOVED, adopt Resolution 2019-7 authorizing the General Manager, or designee to do the following: (1) submit a Proposition 1 Round 1 Integrated Regional Water Management Implementation Grant application to the Department of Water Resources; and, (2) enter into a Grant Agreement with the Department of Water Resources and agreements with the Round 1 project proponents.

Result:	Adopted (Unanimously)
Motion/Second:	Parker/Harrison
Ayes:	Bilodeau, Dennstedt, Harrison, Parker, Sullivan
Nays:	None
Abstentions:	None
Absent:	None

D. PROPOSITION 84 ROUND 2 IMPLEMENTATION GRANT AGREEMENT AMENDMENT (CM#2019.104)

Marie Jauregui provided the PowerPoint presentation about the Proposition 84 Round 1 and Round 2 Projects status update contained in the agenda packet on pages 28 – 38. Due to a delay that will push construction past the grant termination date, staff will request removal of a portion of the *Enhanced Stormwater Capture/Recharge Along the Satna Ana River* project (portion 1B). The construction will proceed, but it will be constructed without grant funding. The delay was due to a NEPA requirement necessitated by a federal land exchange approved by Congress on March 12, 2019. Chair Sullivan asked if DWR would extend the grant deadline and the costs associated with the delay; Jauregui responded DWR will not extend the deadline past 2020. Jauregui did not immediately know the cost associated with the delay and noted she would research and provide an update.

MOVED, direct staff to execute an amendment to the Grant Agreement between SAWPA and the Department of Water Resources.

Result:	Adopted (Unanimously)
Motion/Second:	Harrison/Dennstedt
Ayes:	Bilodeau, Dennstedt, Harrison, Parker, Sullivan
Nays:	None
Abstentions:	None
Absent:	None

6. INFORMATIONAL REPORTS

The following oral/written reports/updates were received and filed.

A. SAWPA GENERAL MANAGERS MEETING NOTES

- September 17, 2019

B. CHAIR'S COMMENTS/REPORT

Chair Sullivan noted recent efforts by EMWD and OCWD promoting science-based PFAS limits, and encouraged other agencies to contact their elected representatives.

C. COMMISSIONERS' COMMENTS

There were no comments from the Commissioners.

D. COMMISSIONERS' REQUEST FOR FUTURE AGENDA ITEMS

Commissioner Dennstedt requested a future agenda item about iPads for some of the staff who are trying to make agendas easier for Commissioners to read utilizing iAnnotate and other technology. Rich Haller noted staff has been researching and will be able to present a recommendation at the next meeting.

7. CLOSED SESSION

The Commission took a brief recess at 10:07 a.m., then Chair Sullivan commenced Closed Session at 10:16 a.m. General Manager Rich Haller was present during portions of the discussion of Agenda Item No. 7.A.

A. PUBLIC EMPLOYEE ANNUAL PERFORMANCE EVALUATION – PURSUANT TO GOVERNMENT CODE SECTION 54957

Title: General Manager

Chair Sullivan resumed Open Session at 12:17 p.m. There was no reportable action.

8. ADJOURNMENT

There being no further business for review, Chair Sullivan adjourned the meeting at 12:18 p.m.

Approved at a Regular Meeting of the Santa Ana Watershed Project Authority Commission on Tuesday, October 15, 2019.

Ronald W. Sullivan, Chair

Attest:

Kelly Berry, CMC
Clerk of the Board

September 2019



During the month of September 2019, the Agency's actively managed temporary idle cash earned a return of 1.776%, representing interest earnings of \$18,135. Additionally, the Agency's position in overnight funds L.A.I.F. generated \$84,615 in interest, resulting in \$102,750 of interest income from all sources. Please note that this data represents monthly earnings only, and does not indicate actual interest received. There were zero (0) investment positions purchased, zero (0) positions sold, zero (0) positions matured, and zero (0) positions were called.

This Treasurer's Report is in compliance with SAWPA's Statement of Investment Policy. Based upon the liquidity of the Agency's investments, this report demonstrates the ability to meet customary expenditures during the next six months.

October 3, 2019

Prepared and
Submitted by: *Karen L. Williams*

Karen L. Williams, Chief Financial Officer

Santa Ana Watershed Project Authority

INVESTMENT PORTFOLIO - MARKED TO MARKET - UNREALIZED GAINS & LOSSES

September 30, 2019

SAWPA primarily maintains a "Buy and Hold" investment philosophy, with all investments held by US Bank via a third-party safekeeping contract.

Investment	Security		Purchase	Maturity	Call	Yield To	Investment	Market Value	Unrealized	Coupon	Interest		
Type	Type	CUSIP	Dealer	Date	Date	(if appl)	Par Value	Maturity	Cost	Current Month	Gain / (Loss)	Rate	Earned
Agency	FHLMC	3137EAEC9	WMS	09-16-16	08-12-21	No Call	\$ 1,000,000.00	1.335%	\$ 990,060.00	\$ 989,645.00	\$ (415)	1.125%	\$ 1,097.22
Agency	FHLMC	3137EADB2	WMS	04-17-17	01-13-22	No Call	\$ 500,000.00	2.375%	\$ 512,767.00	\$ 507,792.00	\$ (4,975)	2.375%	\$ 976.03
Agency	FHLB	313383HU8	WMS	06-16-16	06-12-20	No Call	\$ 1,000,000.00	1.080%	\$ 1,026,088.00	\$ 999,808.00	\$ (26,280)	1.750%	\$ 887.69
Agency	FHLB	313379Q69	WMS	12-14-17	06-10-22	No Call	\$ 1,000,000.00	2.150%	\$ 998,930.00	\$ 1,013,266.00	\$ 14,336	2.125%	\$ 1,767.21
Agency	FNMA	3135G0H55	WMS	12-28-15	12-28-20	No Call	\$ 1,000,000.00	1.830%	\$ 1,002,140.00	\$ 1,001,151.00	\$ (989)	1.875%	\$ 1,504.12
Agency	FNMA	3135G0F73	WMS	06-16-16	11-30-20	No Call	\$ 1,000,000.00	1.150%	\$ 1,015,157.00	\$ 996,285.00	\$ (18,872)	1.500%	\$ 945.21
Agency	USTN	912828WC	WMS	11-17-15	10-31-20	No Call	\$ 1,000,000.00	1.638%	\$ 1,005,312.50	\$ 999,336.00	\$ (5,977)	1.750%	\$ 1,346.17
Agency	USTN	912828G61	WMS	11-17-15	11-30-19	No Call	\$ 1,000,000.00	1.469%	\$ 1,001,210.94	\$ 999,069.00	\$ (2,142)	1.500%	\$ 1,207.35
Agency	USTN	912828L32	WMS	06-17-16	08-31-20	No Call	\$ 500,000.00	1.030%	\$ 507,070.31	\$ 497,851.50	\$ (9,219)	1.375%	\$ 423.42
Agency	USTN	912828L65	WMS	06-16-16	09-30-20	No Call	\$ 500,000.00	1.041%	\$ 506,992.19	\$ 497,812.50	\$ (9,180)	1.375%	\$ 427.69
Agency	USTN	912828L99	WMS	06-16-16	10-31-20	No Call	\$ 500,000.00	1.051%	\$ 506,914.06	\$ 497,695.50	\$ (9,219)	1.375%	\$ 431.71
Agency	USTN	912828S76	WMS	12-14-17	07-31-21	No Call	\$ 1,000,000.00	2.013%	\$ 969,062.50	\$ 990,039.00	\$ 20,977	1.125%	\$ 1,654.36
CORP	Apple Inc	037833AK6	WMS	10-15-18	05-03-23	No Call	\$ 500,000.00	3.360%	\$ 479,898.50	\$ 509,333.00	\$ 29,435	2.400%	\$ 1,380.83
CORP	Toyota Motor Corp Credit	89236TFNO	WMS	10-15-18	09-20-23	No Call	\$ 500,000.00	3.550%	\$ 497,747.50	\$ 528,982.00	\$ 31,235	3.450%	\$ 1,458.90
CD	Ally Bank	02006L2F9	WMS	01-13-15	04-20-20	No Call	\$ 248,000.00	1.800%	\$ 248,000.00	\$ 248,203.38	\$ 203	1.800%	\$ 366.90
CD	American Express	02587DP85	WMS	04-19-17	04-19-21	No Call	\$ 248,000.00	2.250%	\$ 248,000.00	\$ 248,000.00	\$ -	2.250%	\$ 458.63
CD	American Express BK FSB	AN4199708	WMS	05-10-17	05-10-21	No Call	\$ 248,000.00	2.200%	\$ 248,000.00	\$ 248,000.00	\$ -	2.200%	\$ 448.44
CD	Sallie Mae BK SLT Lake City	7954503Q6	MBS	07-01-19	06-27-22	No Call	\$ 247,000.00	2.250%	\$ 247,000.00	\$ 247,000.00	\$ -	2.250%	\$ 456.78
CD	Morgan Stanley Bank NA	6169OUHP8	MBS	07-05-19	07-05-22	No Call	\$ 247,000.00	2.200%	\$ 247,000.00	\$ 247,000.00	\$ -	2.200%	\$ 387.08
CD	Goldman Sachs Bank USA	38148PUV7	WMS	12-20-17	12-20-22	No Call	\$ 248,000.00	2.500%	\$ 248,000.00	\$ 248,000.00	\$ -	2.500%	\$ 509.59

Total Actively Invested Funds	\$ 12,486,000.00	\$12,505,350.50	\$12,514,268.88	\$ 8,918	1.776%	\$ 18,135.33
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Total Local Agency Investment Fund		\$43,975,929.01		2.341%	\$ 84,614.51
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Total Invested Cash	\$ 12,486,000.00	\$56,481,279.51		2.216%	\$102,749.84
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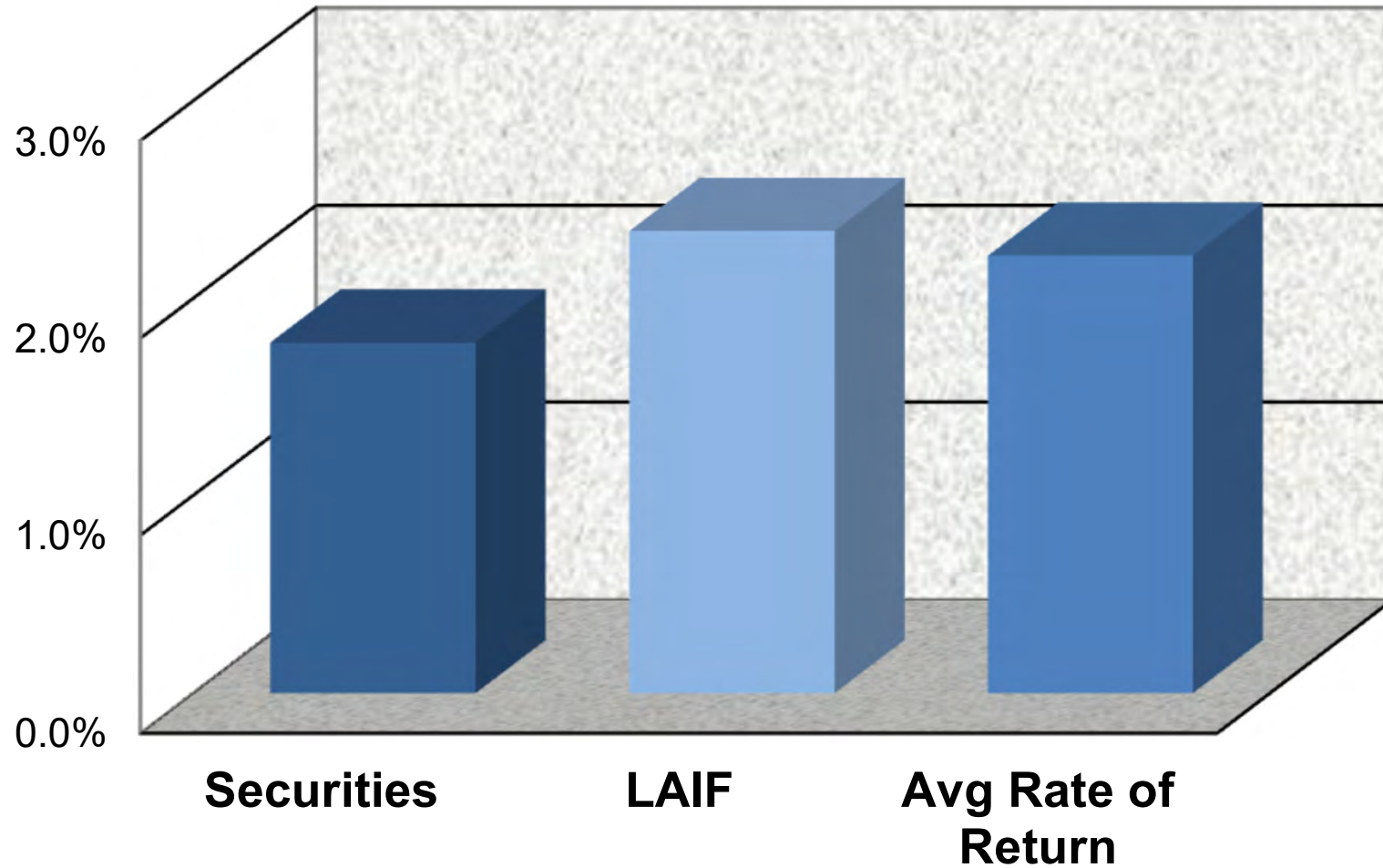
Key to Security Type:

FHLB	= Federal Home Loan Bank
FHLMC	= Federal Home Loan Mortgage Corporation
FNMA	= Federal National Mortgage Association
USTN	= US Treasury Note
CORP	= Corporate Note
CD	= Certificate of Deposit
GDB	= Goldman Sachs Bank
AEC	= American Express Centurion

Key to Dealers:

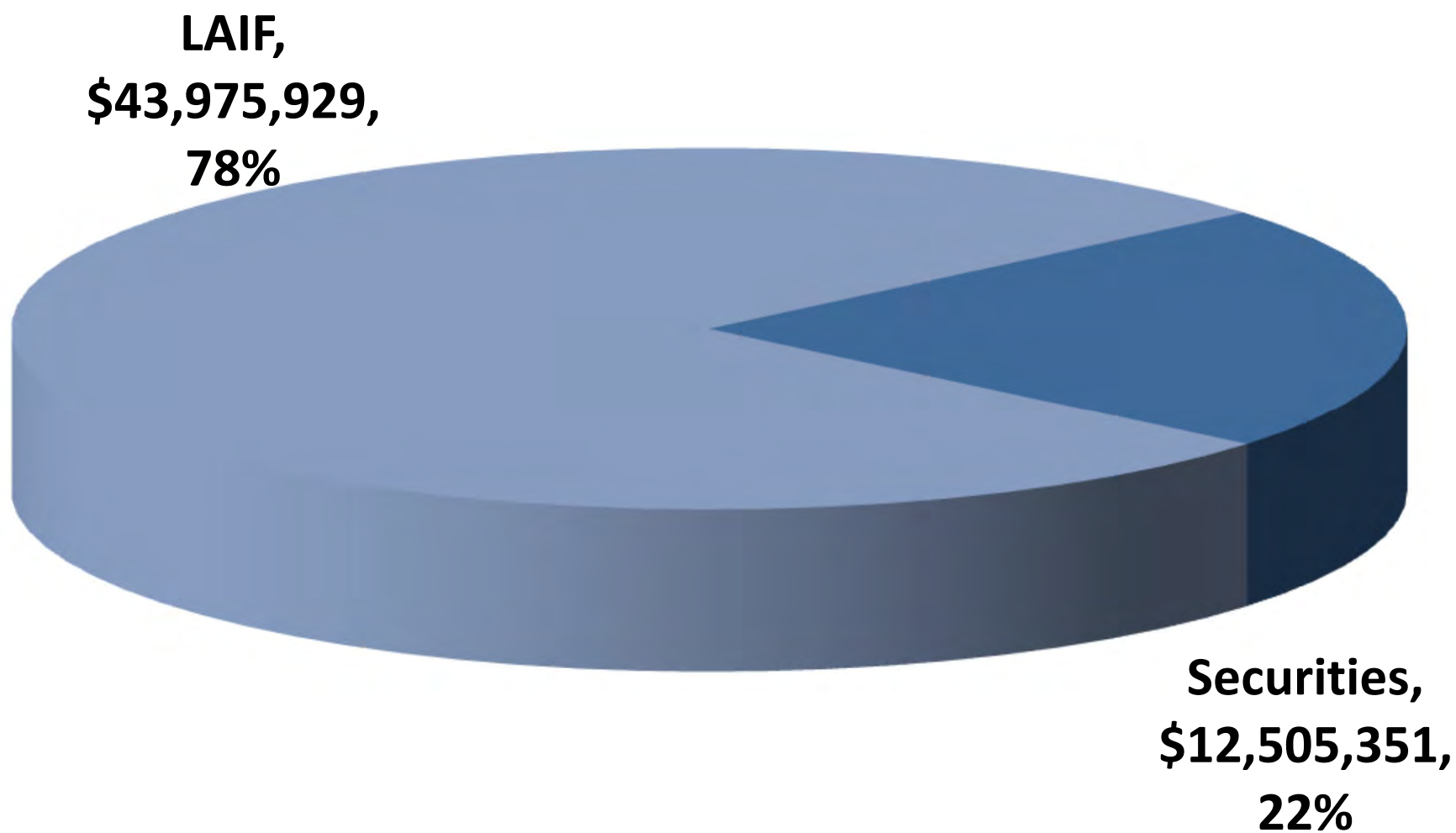
FCS	= FinaCorp Securities
MBS	= Multi-Bank Securities
MS	= Mutual Securities
RCB	= RBC Dain Rauscher
SA	= Securities America
TVI	= Time Value Investments
WMS	= Wedbush Morgan Securities

Interest Rate Analysis

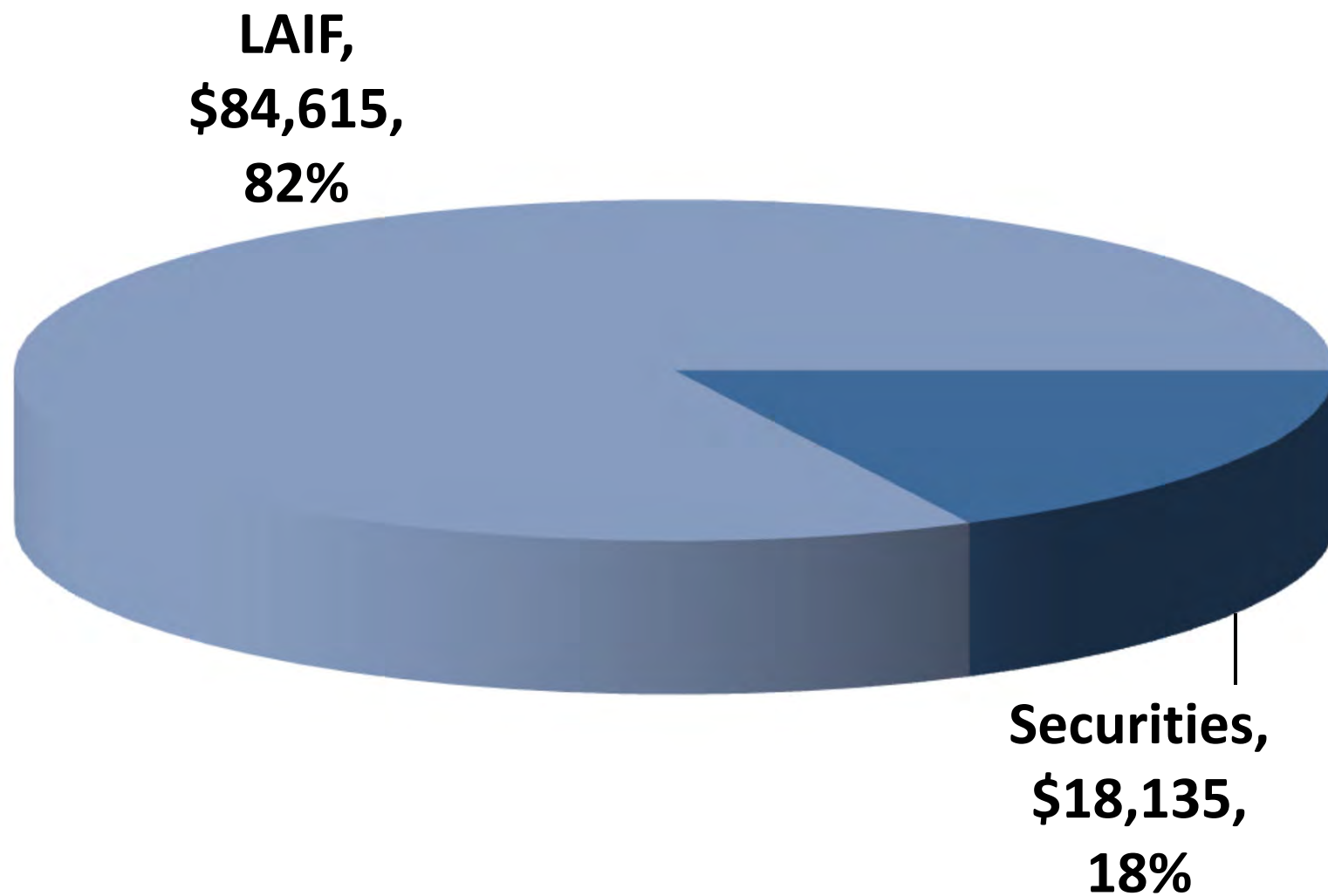


Investments

\$56,481,280



Interest
\$102,750



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COMMISSION MEMORANDUM NO. 2019.105

DATE: October 15, 2019
TO: SAWPA Commission
SUBJECT: CalPERS Unfunded Liability Payment Options
PREPARED BY: Karen Williams, DGM/CFO

RECOMMENDATION

It is recommended that the Commission review and discuss options to pay-off the CalPERS Unfunded Liability.

DISCUSSION

The Agency contracts with the California Public Employees' Retirement System (CalPERS) to provide a defined benefit retirement plan for employees. Classic employees (hired before January 1, 2013) participate in the 2% at 55 Miscellaneous Employee Pension Plan. Those hired after January 1, 2013, PEPRA employees, participate in the 2% at 62 Miscellaneous Employee Pension Plan. The table below shows the number of employees in each plan.

CalPERS Plan	# of Employees
Classic Employees	15
PEPRA Employees	11
Total	26

FYE 2015 was the first year that the Agency was required to implement the Government Accounting Standards Boards Standard No. 68, (GASB 68). GASB 68 requires that Agencies recognize their net pension liability in their financial statements. This Statement establishes standards for measuring and recognizing liabilities, deferred outflows of resources and deferred inflows of resources, and expense/expenditures. For defined benefit pensions, this Statement identifies the methods and assumptions that should be used to project benefit payments, discount projected benefit payments to their actuarial present value, and attribute that present value to periods of employee service. Because of the reporting requirements, the net pension liability that is reported on the financial statements will be different from the unfunded liability reported by CalPERS. As of June 30, 2019, the net pension liability reported on our financial statements is \$3,649,848.

At the September 17, 2019 Commission meeting, it was suggested that staff bring back some options on paying down the Agency's unfunded liability. The Agency is currently on a 30-year amortization schedule to pay the unfunded liability. The payment for FYE 2020 was \$237,191 for the Classic plan. If we continue to pay off the liability over the next 30 years, we will pay over \$3.9 million in interest charges.

In December 2016, CalPERS' Board of Directors voted to lower the discount rate used in its actuarial valuations from 7.5% to 7.0% over three fiscal years, beginning in fiscal year 2018. Using a discount rate of 7.0% for FYE 2020, our unfunded liability is expected to jump to \$4.5 million. There are many options to pay down our unfunded liability and save both interest and/or lower our annual payment.

Option 1 – Pay Off High Balance Amortization Bases

Included in the attachments is our Actuarial Valuation as of June 30, 2018. On page 10 of the valuation is a Schedule of Plan’s Amortization Bases. If we were to pay off the \$972,510 balance on the 1st item (Share of Pre-2013 Pool UAL) we could save an estimated \$80,000 from our annual payment. If we paid off the \$1,579,163 balance on the Asset (Gain)/Loss on 06/30/13, we could save an estimated \$107,126 annually. By paying off some of the amortization bases, we could save the annual amount as well as the 7.0% interest that is charged by CalPERS on the annual balance.

General Fund Reserves would be able to pay off \$1 million of the liability. It would be possible to pay off a portion of the liability using the Brine Line Operating Reserve if approved by the Commission. Brine Line labor costs are about 36% of the Agency’s total labor costs. There currently is over \$3.9 million in this reserve account and only \$1.3 million is required per the Reserve Policy.

Amortization Base	Balance at 06/30/20	Payment 2020-21
Share of Pre-2013 Pool UAL	\$972,510	\$80,246
Asset (Gain)/Loss 06/30/13	\$1,579,163	\$107,126
Total	\$2,551,673	\$187,372

If we were to pay \$2,551,673 on or before June 30, 2020, the projected savings would be approximately \$2,538,190 in interest over the amortization period and would reduce our annual payment to an estimated \$187,372, from \$277,384. Staff would suggest that we continue to make the higher payments to reduce our remaining liabilities and save interest.

The numbers listed above are based on discussions with our Actuary and the Actuarial Valuation as of June 30, 2018. If the payments were made before June 30, 2019, the interest savings would be higher. The Commission may decide to pay off different amortization bases than those listed above. Once it is determined if, and which, amortization bases the Commission would like to pay off, we can talk to our Actuary and get the actual interest and payment savings.

Option 2 – Make Unfunded Liability Payment Using Alternate Schedules (15 yr. or 10 yr.)

Another option would be to make the payment from the 15 Year Amortization Schedule, or the 10 Year Amortization Schedule shown on page 12 of the report. By making a higher payment we would save interest and reduce the number of years required to pay off the liability.

RESOURCE IMPACTS

The impact on reserves would depend on the amounts used to pay off or reduce unfunded liabilities. There are sufficient reserve funds available to pay off \$2,551,673 of our unfunded accrued liability (UAL).

Attachments:

1. CalPERS Actuarial Valuation as of June 30, 2018
2. Actuary Pay-off Worksheet as of 09-30-19
3. CalPERS Unfunded Liability Payment Options Presentation



California Public Employees' Retirement System

Actuarial Office

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July 2019

Miscellaneous Plan of the Santa Ana Watershed Project Authority
(CalPERS ID: 2047250126)
Annual Valuation Report as of June 30, 2018

Dear Employer,

Attached to this letter, you will find the June 30, 2018 actuarial valuation report of your CalPERS pension plan. Provided in this report is the determination of the minimum required employer contributions for Fiscal Year 2020-21. In addition, the report contains important information regarding the current financial status of the plan as well as projections and risk measures to aid in planning for the future.

Because this plan is in a risk pool, the following valuation report has been separated into two sections:

- Section 1 contains specific information for the plan including the development of the current and projected employer contributions, and
- Section 2 contains the Risk Pool Actuarial Valuation appropriate to the plan as of June 30, 2018.

Section 2 can be found on the CalPERS website (www.calpers.ca.gov). From the home page, go to "*Forms & Publications*" and select "*View All*". In the search box, enter "*Risk Pool*" and from the results list download the Miscellaneous or Safety Risk Pool Actuarial Valuation Report as appropriate.

Your June 30, 2018 actuarial valuation report contains important actuarial information about your pension plan at CalPERS. Your assigned CalPERS staff actuary, whose signature appears in the Actuarial Certification section on page 1, is available to discuss the report with you after August 1, 2019.

Actuarial valuations are based on assumptions regarding future plan experience including investment return and payroll growth, eligibility for the types of benefits provided, and longevity among retirees. The CalPERS Board of Administration adopts these assumptions after considering the advice of CalPERS actuarial and investment teams and other professionals. Each actuarial valuation reflects all prior differences between actual and assumed experience and adjusts the contribution rates as needed. This valuation is based on an investment return assumption of 7.0% which was adopted by the board in December 2016. Other assumptions used in this report are those recommended in the CalPERS Experience Study and Review of Actuarial Assumptions report from December 2017.

Required Contribution

The exhibit below displays the minimum employer contributions, before any cost sharing, for Fiscal Year 2020-21 along with estimates of the required contributions for Fiscal Year 2021-22. Member contributions other than cost sharing (whether paid by the employer or the employee) are in addition to the results shown below. The employer contributions in this report do not reflect any cost sharing arrangements you may have with your employees.

Fiscal Year	Employer Normal Cost Rate	Employer Amortization of Unfunded Accrued Liability
2020-21	11.816%	\$277,384
<i>Projected Results</i>		
2021-22	11.8%	\$326,000

The actual investment return for Fiscal Year 2018-19 was not known at the time this report was prepared. The projections above assume the investment return for that year would be 7.00 percent. *If the actual investment return for Fiscal Year 2018-19 differs from 7.00 percent, the actual contribution requirements for the projected years will differ from those shown above.* For additional details regarding the assumptions and methods used for these projections please refer to **the "Projected Employer Contributions" in the "Highlights and Executive Summary" section.** This section also contains projected required contributions through fiscal year 2025-26.

Changes from Previous **Year's Valuation**

CalPERS continues to strive to provide comprehensive risk assessments regarding plan funding and sustainability **consistent with the Board of Administration's pension and investment beliefs. Your report this year includes new metrics** on plan maturity in recognition of the fact that most pension plans at CalPERS are maturing as anticipated. As plans **mature, they become more sensitive to risks than plans that are less mature. The "Risk Analysis" section of your report** will help you understand how your plan is affected by investment return volatility and other economic assumptions. We have included plan sensitivity analysis with respect to longevity and inflation to further that discussion and encourage you to review our most recent Annual Review of Funding Levels and Risks report on our website that takes a holistic view of the system.

Upcoming Change for June 30, 2019 Valuations

The CalPERS Board of Administration has adopted a new amortization policy effective with the June 30, 2019 actuarial valuation. The new policy shortens the period over which actuarial gains and losses are amortized from 30 years to 20 years with the payments computed using a level dollar amount. In addition, the new policy removes the 5-year ramp-up and ramp-down on Unfunded Accrued Liability (UAL) bases attributable to assumption changes and non-investment gains/losses. The new policy removes the 5-year ramp-down on investment gains/losses. These changes will apply only to new UAL bases established on or after June 30, 2019.

Besides the above noted changes, there may also be changes specific to the plan such as contract amendments and funding changes.

Further descriptions of general changes are included in the "Highlights and Executive Summary" section and in Appendix A, "Statement of Actuarial Data, Methods and Assumptions" of the Section 2 report.

We understand that you might have a number of questions about these results. While we are very interested in discussing these results with your agency, in the interest of allowing us to give every public agency their results, we ask that you wait until after August 1 2019 to contact us with actuarial questions.

If you have other questions, please call our customer contact center at (888) CalPERS or (888-225-7377).

Sincerely,



SCOTT TERANDO
Chief Actuary



Actuarial Valuation
as of June 30, 2018

for the
Miscellaneous Plan
of the
Santa Ana Watershed Project Authority
(CalPERS ID: 2047250126)

Required Contributions
for Fiscal Year
July 1, 2020 - June 30, 2021

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Section 1 – Plan Specific Information

Section 2 – Risk Pool Actuarial Valuation Information

Section 1

CALIFORNIA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

Plan Specific Information
for the
Miscellaneous Plan
of the
Santa Ana Watershed Project Authority

(CalPERS ID: 2047250126)
(Valuation Rate Plan ID: 1408)

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Actuarial Certification

Section 1 of this report is based on the member and financial data contained in our records as of June 30, 2018 which was provided by your agency and the benefit provisions under your contract with CalPERS. Section 2 of this report is based on the member and financial data as of June 30, 2018 provided by employers participating in the Miscellaneous Risk Pool to which the plan belongs and benefit provisions under the CalPERS contracts for those agencies.

As set forth in Section 2 of this report, the pool actuaries have certified that, in their opinion, the valuation of the risk pool containing your Miscellaneous Plan has been performed in accordance with generally accepted actuarial principles consistent with standards of practice prescribed by the Actuarial Standards Board, and that the assumptions and methods are internally consistent and reasonable for the risk pool as of the date of this valuation and as prescribed by the CalPERS Board of Administration according to provisions set forth in the California Public **Employees' Retirement Law**.

Having relied upon the information set forth in Section 2 of this report and based on the census and benefit provision information for the plan, it is my opinion as the plan actuary that Unfunded Accrued Liability amortization bases as of June 30, 2018 and employer contribution as of July 1, 2020, have been properly and accurately determined in accordance with the principles and standards stated above.

The undersigned is an actuary for CalPERS, a member of both the American Academy of Actuaries and Society of Actuaries and meets the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained herein.



KURT SCHNEIDER, ASA, EA, FCA, MAAA
Senior Pension Actuary, CalPERS
Plan Actuary

Highlights and Executive Summary

- Introduction
- Purpose of Section 1
- Required Employer Contributions
- **Plan's Funded Status**
- Projected Employer Contributions
- Changes Since the Prior Year's **V**aluation
- Subsequent Events

Introduction

This report presents the results of the June 30, 2018 actuarial valuation of the Miscellaneous Plan of the Santa Ana Watershed Project Authority **of the California Public Employees' Retirement System** (CalPERS). This actuarial valuation sets the required employer contributions for Fiscal Year 2020-21.

Purpose of Section 1

This Section 1 report for the Miscellaneous Plan of the Santa Ana Watershed Project Authority of the California **Public Employees' Retirement System** (CalPERS) was prepared by the plan actuary in order to:

- Set forth the assets and accrued liabilities of this plan as of June 30, 2018;
- Determine the minimum required employer contribution for this plan for the fiscal year July 1, 2020 through June 30, 2021; and
- Provide actuarial information as of June 30, 2018 to the CalPERS Board of Administration and other interested parties.

The pension funding information presented in this report should not be used in financial reports subject to GASB Statement No. 68 for a Cost Sharing Employer Defined Benefit Pension Plan. A separate accounting valuation report for such purposes is available from CalPERS and details for ordering are available on our website.

The measurements shown in this actuarial valuation may not be applicable for other purposes. The employer should contact their actuary before disseminating any portion of this report for any reason that is not explicitly described above.

Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; changes in actuarial policies; and changes in plan provisions or applicable law.

California Actuarial Advisory Panel Recommendations

This report includes all the basic disclosure elements as described in the *Model Disclosure Elements for Actuarial Valuation Reports* recommended in 2011 by the California Actuarial Advisory Panel (CAAP), with the exception of including the original base amounts of the various components of the unfunded liability in the Schedule of Amortization Bases shown on page 10.

Additionally, this report includes **the following "Enhanced Risk Disclosures"** also recommended by the CAAP in the Model Disclosure Elements document and consistent with the recommendations of Actuarial Standard of Practice No. 51:

- A **"Scenario Test,"** projecting future results under different investment income scenarios.
- A **"Sensitivity Analysis,"** showing the impact on current valuation results using alternative discount rates of 6.0 percent and 8.0 percent.
- A **"Sensitivity Analysis,"** showing the impact on current valuation results using a 1.0 percent plus or minus change in the inflation rate.
- A **"Sensitivity Analysis,"** showing the impact on current valuation results assuming post-retirement rates of mortality are 10 percent lower or 10 percent higher than our current mortality assumptions adopted in 2017. This type of analysis highlights the impact on the plan of improving or worsening mortality over the long-term.
- Plan maturity measures which indicate how sensitive a plan may be to the risks noted above.

Required Employer Contributions

	Fiscal Year
Required Employer Contributions	2020-21
Employer Normal Cost Rate	11.816%
<i>Plus, Either</i>	
1) Monthly Employer Dollar UAL Payment	\$ 23,115.35
<i>Or</i>	
2) Annual UAL Prepayment Option*	\$ 268,157
<i>The total minimum required employer contribution is the sum of the Plan's Employer Normal Cost Rate (expressed as a percentage of payroll) plus the Employer Unfunded Accrued Liability (UAL) Contribution Amount (billed monthly in dollars).</i>	
<i>* Only the UAL portion of the employer contribution can be prepaid (which must be received in full no later than July 31). Any prepayment totaling over \$5 million requires a 72-hour notice email to FCSD_public_agency_wires@calpers.ca.gov. Plan Normal Cost contributions will be made as part of the payroll reporting process. If there is contractual cost sharing or other change, this amount will change.</i>	
<i>In accordance with Sections 20537 and 20572 of the Public Employees' Retirement Law, if a contracting agency fails to remit the required contributions when due, interest and penalties may apply.</i>	

	Fiscal Year	Fiscal Year
	2019-20	2020-21
Development of Normal Cost as a Percentage of Payroll ¹		
Base Total Normal Cost for Formula	16.586%	17.392%
Surcharge for Class 1 Benefits ²		
a) FAC 1	0.541%	0.547%
b) 5% COLA	0.899%	0.785%
Phase out of Normal Cost Difference ³	<u>0.000%</u>	<u>0.000%</u>
Plan's Total Normal Cost	<u>18.026%</u>	<u>18.724%</u>
Formula's Expected Employee Contribution Rate	<u>6.906%</u>	<u>6.908%</u>
Employer Normal Cost Rate	11.120%	11.816%
Projected Payroll for the Contribution Fiscal Year	\$ 2,523,714	\$ 2,368,771
Estimated Employer Contributions Based on Projected Payroll		
Plan's Estimated Employer Normal Cost	\$ 280,637	\$ 279,894
Plan's Payment on Amortization Bases⁴	237,191	277,384
% of Projected Payroll (illustrative only)	9.398%	11.710%
Estimated Total Employer Contribution	\$ 517,828	\$ 557,278
% of Projected Payroll (illustrative only)	20.518%	23.526%

¹ The results shown for Fiscal Year 2019-20 reflect the prior year valuation and may not take into account any lump sum payment, side fund payoff, or rate adjustment made after April 30, 2018.

² Section 2 of this report contains a list of Class 1 benefits and corresponding surcharges for each benefit.

³ The normal cost difference is phased out over a five-year period. The phase out of normal cost difference is 100 percent for the first year of pooling, and is incrementally reduced by 20 percent of the original normal cost difference for each subsequent year. This is non-zero only for plans that joined a pool within the past 5 years. Most plans joined a pool June 30, 2003, when risk pooling was implemented.

⁴ See page 10 for a breakdown of the Amortization Bases.

Plan's Funded Status

	June 30, 2017	June 30, 2018
1. Present Value of Projected Benefits (PVB)	\$ 19,142,572	\$ 21,033,665
2. Entry Age Normal Accrued Liability (AL)	16,417,094	18,413,662
3. Plan's Market Value of Assets (MVA)	12,854,700	14,169,584
4. Unfunded Accrued Liability (UAL) [(2) - (3)]	3,562,394	4,244,078
5. Funded Ratio [(3) / (2)]	78.3%	77.0%

This measure of funded status is an assessment of the need for future employer contributions based on the selected actuarial cost method used to fund the plan. The UAL is the present value of future employer contributions for service that has already been earned and is in addition to future normal cost contributions for active members. For a measure of funded status that is appropriate for assessing the sufficiency of plan assets to cover estimated termination liabilities, please see "Hypothetical Termination Liability" in the "Risk Analysis" section.

Projected Employer Contributions

The table below shows projected employer contributions (before cost sharing) for the next six fiscal years. Projected results reflect the adopted changes to the discount rate described in Appendix A, "Statement of Actuarial Data, Methods and Assumptions" of the Section 2 report. The projections also assume that all actuarial assumptions will be realized and that no further changes to assumptions, contributions, benefits, or funding will occur during the projection period.

Fiscal Year	Required Contribution	Projected Future Employer Contributions (Assumes 7.00% Return for Fiscal Year 2018-19)				
		2021-22	2022-23	2023-24	2024-25	2025-26
Normal Cost %	11.816%	11.8%	11.8%	11.8%	11.8%	11.8%
UAL Payment	\$277,384	\$326,000	\$366,000	\$389,000	\$414,000	\$425,000

Changes in the UAL due to actuarial gains or losses as well as changes in actuarial assumptions or methods are amortized using a 5-year ramp up. For more information, please see "Amortization of the Unfunded Actuarial Accrued Liability" under "Actuarial Methods" in Appendix A of Section 2. This method phases in the impact of unanticipated changes in UAL over a 5-year period and attempts to minimize employer cost volatility from year to year. As a result of this methodology, dramatic changes in the required employer contributions in any one year are less likely. However, required contributions can change gradually and significantly over the next five years. In years where there is a large increase in UAL the relatively small amortization payments during the ramp up period could result in a funded ratio that is projected to decrease initially while the contribution impact of the increase in the UAL is phased in.

For projected contributions under alternate investment return scenarios, please see the "Future Investment Return Scenarios" in the "Risk Analysis" section.

Changes Since the Prior **Year's** Valuation

Benefits

None. This valuation generally reflects plan changes by amendments effective before the date of the report. Please refer to **the "Plan's Major Benefit Options"** and Appendix B of Section 2 for a summary of the plan provisions used in this valuation.

Actuarial Methods and Assumptions

In December of 2016 the CalPERS Board of Administration lowered the discount rate from 7.50 percent to 7.00 percent using a three-year phase-in beginning with the June 30, 2016 actuarial valuation. The minimum employer contributions for Fiscal Year 2020-21 determined in this valuation were calculated using a discount rate of 7.00 percent, payroll growth of 2.75 percent and an inflation rate of 2.50 percent. The projected employer contributions on Page 5 are calculated under the assumption that the discount rate remains at 7.00 percent going forward and that furthermore the realized rate of return on assets for Fiscal Year 2018-19 is 7.00 percent.

The decision to reduce the discount rate was primarily based on reduced capital market assumptions provided by external investment consultants and CalPERS investment staff. The specific decision adopted by the Board reflected recommendations from CalPERS staff and additional input from employer and employee stakeholder groups. Based on the investment allocation adopted by the Board and capital market assumptions, the reduced discount rate assumption provides a more realistic assumption for the long-term investment return of the fund.

CalPERS has implemented a new actuarial valuation software system for the June 30, 2018 valuation. With this new system we have refined and improved some of our calculation methodology. Any difference in liability between the old software and new software calculations is captured as a method change line item.

Subsequent Events

The CalPERS Board of Administration has adopted a new amortization policy effective with the June 30, 2019 actuarial valuation. The new policy shortens the period over which actuarial gains and losses are amortized from 30 years to 20 years with the payments computed using a level dollar amount. In addition, the new policy removes the 5-year ramp-up and ramp-down on UAL bases attributable to assumption changes and non-investment gains/losses. The new policy removes the 5-year ramp-down on investment gains/losses. These changes will apply only to new UAL bases established on or after June 30, 2019.

For inactive employers the new amortization policy imposes a maximum amortization period of 15 years for all unfunded accrued liabilities effective June 30, 2018. Furthermore, the plan actuary has the ability to shorten the amortization period on any valuation date based on the life expectancy of plan members and projected cash flow needs to the plan. The impact of this has been reflected in the current valuation results.

The contribution requirements determined in this actuarial valuation report are based on demographic and financial information as of June 30, 2018, and may reflect additional discretionary payments made by the employer through April 30, 2019. Changes in the value of assets subsequent to that date are not reflected. Investment returns below the assumed rate of return will increase the required contribution, while investment returns above the assumed rate of return will decrease the required contribution.

This actuarial valuation report reflects statutory changes, regulatory changes and CalPERS Board actions through January 2019. Any subsequent changes or actions are not reflected.

Assets and Liabilities

- Breakdown of Entry Age Normal Accrued Liability
- **Allocation of Plan's Share of Pool's Experience/Assumption Change**
- **Development of Plan's Share of Pool's** Market Value of Assets
- **Schedule of Plan's** Amortization Bases
- Amortization Schedule and Alternatives
- Employer Contribution History
- Funding History

Breakdown of Entry Age Normal Accrued Liability

Active Members	\$	8,688,202
Transferred Members		2,295,599
Terminated Members		84,605
Members and Beneficiaries Receiving Payments		<u>7,345,256</u>
Total	\$	18,413,662

Allocation of Plan's Share of Pool's Experience/Assumption Change

It is the policy of CalPERS to ensure equity within the risk pools by allocating the pool's experience gains/losses and assumption changes in a manner that treats each employer equitably and maintains benefit security for the members of the System while minimizing substantial variations in employer contributions. The Pool's experience gains/losses and impact of assumption/method changes is allocated to the plan as follows:

1. Plan's Accrued Liability	\$	18,413,662
2. Projected UAL balance at 6/30/18		3,704,222
3. Pool's Accrued Liability ¹		17,424,237,070
4. Sum of Pool's Individual Plan UAL Balances at 6/30/18 ¹		3,777,499,883
5. Pool's 2017/18 Investment & Asset (Gain)/Loss ¹		(135,628,188)
6. Pool's 2017/18 Other (Gain)/Loss ¹		66,272,613
7. Plan's Share of Pool's Asset (Gain)/Loss: $[(1) - (2)] \div [(3) - (4)] \times (5)$		(146,190)
8. Plan's Share of Pool's Other (Gain)/Loss: $(1) \div (3) \times (6)$		70,036
9. Plan's New (Gain)/Loss as of 6/30/2018: $(7) + (8)$		(76,154)
10. Increase in Pool's Accrued Liability due to Change in Assumptions ¹		453,914,155
11. Plan's Share of Pool's Change in Assumptions: $(1) \div (3) \times (10)$		479,689
12. Increase in Pool's Accrued Liability due to Change in Method ¹		128,995,852
13. Plan's Share of Pool's Change in Method: $(1) \div (3) \times (12)$		136,321

¹ Does not include plans that transferred to Pool on the valuation date.

Development of the Plan's Share of Pool's Market Value of Assets

14. Plan's UAL: $(2) + (9) + (11) + (13)$	\$	4,244,078
15. Plan's Share of Pool's MVA: $(1) - (14)$	\$	14,169,584

Schedule of **Plan's** Amortization Bases

On the next page is the schedule of the plan's amortization bases. Note that there is a two-year lag between the valuation date and the start of the contribution fiscal year.

- The assets, liabilities, and funded status of the plan are measured as of the valuation date: June 30, 2018.
- The required employer contributions determined by the valuation are for the fiscal year beginning two years after the valuation date: Fiscal Year 2020-21.

This two-year lag is necessary due to the amount of time needed to extract and test the membership and financial data, and the need to provide public agencies with their required employer contribution well in advance of the start of the fiscal year.

The Unfunded Accrued Liability (UAL) is used to determine the employer contribution and therefore must be rolled forward two years from the valuation date to the first day of the fiscal year for which the contribution is being determined. The UAL is rolled forward each year by subtracting the expected payment on the UAL for the fiscal year and adjusting for interest. The expected payment on the UAL for a fiscal year is equal to the Expected Employer Contribution for the fiscal year minus the Expected Normal Cost for the year. The Employer Contribution for the first fiscal year is determined by the actuarial valuation two years ago and the contribution for the second year is from the actuarial valuation one year ago. Additional discretionary payments are reflected in the Expected Payments column in the fiscal year they were made by the agency.

Schedule of Plan's Amortization Bases

Reason for Base	Date Established	Ramp Up/Down 2020-21	Escalation Rate	Amortization Period	Balance 6/30/18	Payment 2018-19	Balance 6/30/19	Payment 2019-20	Amounts for Fiscal 2020-21	
									Balance 6/30/20	Scheduled Payment for 2020-21
SHARE OF PRE-2013 POOL UAL	06/30/13	No Ramp	2.750%	17	\$995,357	\$77,016	\$985,366	\$79,110	\$972,510	\$80,246
NON-ASSET (GAIN)/LOSS	06/30/13	100% →	2.750%	25	\$(14,944)	\$(792)	\$(15,171)	\$(1,018)	\$(15,180)	\$(1,030)
ASSET (GAIN)/LOSS	06/30/13	100% →	2.750%	25	\$1,554,636	\$82,432	\$1,578,192	\$105,860	\$1,579,163	\$107,126
NON-ASSET (GAIN)/LOSS	06/30/14	100% →	2.750%	26	\$1,312	\$52	\$1,350	\$72	\$1,370	\$91
ASSET (GAIN)/LOSS	06/30/14	100% →	2.750%	26	\$(1,231,331)	\$(49,085)	\$(1,266,750)	\$(67,242)	\$(1,285,867)	\$(85,030)
ASSUMPTION CHANGE	06/30/14	100% →	2.750%	16	\$752,049	\$41,374	\$761,895	\$56,665	\$756,613	\$71,946
NON-ASSET (GAIN)/LOSS	06/30/15	80% ↗	2.750%	27	\$(60,302)	\$(1,627)	\$(62,840)	\$(2,508)	\$(64,645)	\$(3,381)
ASSET (GAIN)/LOSS	06/30/15	80% ↗	2.750%	27	\$764,857	\$20,639	\$797,048	\$31,809	\$819,938	\$42,886
NON-ASSET (GAIN)/LOSS	06/30/16	60% ↗	2.750%	28	\$(113,778)	\$(1,579)	\$(120,109)	\$(3,245)	\$(125,160)	\$(4,919)
ASSET (GAIN)/LOSS	06/30/16	60% ↗	2.750%	28	\$955,787	\$13,263	\$1,008,973	\$27,257	\$1,051,406	\$41,319
ASSUMPTION CHANGE	06/30/16	60% ↗	2.750%	18	\$290,704	\$5,486	\$305,379	\$11,272	\$315,096	\$17,155
NON-ASSET (GAIN)/LOSS	06/30/17	40% ↗	2.750%	29	\$(23,572)	\$0	\$(25,222)	\$(350)	\$(26,625)	\$(708)
ASSET (GAIN)/LOSS	06/30/17	40% ↗	2.750%	29	\$(472,726)	\$0	\$(505,817)	\$(7,027)	\$(533,955)	\$(14,193)
ASSUMPTION CHANGE	06/30/17	40% ↗	2.750%	19	\$306,173	\$(17,773)	\$345,990	\$6,535	\$363,449	\$13,253
NON-ASSET (GAIN)/LOSS	06/30/18	20% ↗	2.750%	30	\$70,036	\$0	\$74,938	\$0	\$80,184	\$1,095
ASSET (GAIN)/LOSS	06/30/18	20% ↗	2.750%	30	\$(146,190)	\$0	\$(156,423)	\$0	\$(167,373)	\$(2,286)
METHOD CHANGE	06/30/18	20% ↗	2.750%	20	\$136,321	\$(1,020)	\$146,918	\$(1,048)	\$158,286	\$2,951
ASSUMPTION CHANGE	06/30/18	20% ↗	2.750%	20	\$479,689	\$(15,410)	\$529,207	\$(15,833)	\$582,630	\$10,863
TOTAL					\$4,244,078	\$152,976	\$4,382,924	\$220,309	\$4,461,840	\$277,384

The (gain)/loss bases are the plan's allocated share of the risk pool's (gain)/loss for the fiscal year as disclosed in "Allocation of Plan's Share of Pool's Experience/Assumption Change" earlier in this section. These (gain)/loss bases will be amortized according to Board policy over 30 years with a 5-year ramp-up.

If the total Unfunded Liability is negative (i.e., plan has a surplus), the scheduled payment is \$0, because the minimum required contribution under PEPRA must be at least equal to the normal cost.

Amortization Schedule and Alternatives

The amortization schedule on the previous page shows the minimum contributions required according to CalPERS amortization policy. There has been considerable interest from many agencies in paying off these unfunded accrued liabilities sooner and the possible savings in doing so. As a result, we have provided alternate amortization schedules to help analyze the current amortization schedule and illustrate the advantages of accelerating unfunded liability payments.

Shown on the following page are future year amortization payments based on: 1) the current amortization schedule reflecting the individual bases and remaining periods shown on the previous page, and 2) alternate **"fresh start" amortization schedules using two sample periods that would both result** in interest savings relative to the current amortization schedule. Note that the payments under each alternate scenario increase by 2.75 percent for each year into the future, except for inactive plans.

The Current Amortization Schedule typically contains individual bases that are both positive and negative. Positive bases result from plan changes, assumption changes or plan experience that result in increases to unfunded liability. Negative bases result from plan changes, assumption changes or plan experience that result in decreases to unfunded liability. The combination of positive and negative bases within an amortization schedule can result in unusual or problematic circumstances in future years such as:

- A positive total unfunded liability with a negative total payment,
- A negative total unfunded liability with a positive total payment, or
- Total payments that completely amortize the unfunded liability over a very short period of time

In any year where one of the above scenarios occurs, the actuary will consider corrective action such as replacing **the existing unfunded liability bases with a single "fresh start" base and amortizing it over a reasonable period.**

The Current Amortization Schedule on the following page may appear to show that, based on the current amortization bases, one of the above scenarios will occur at some point in the future. It is impossible to know today whether such a scenario will in fact arise since there will be additional bases added to the amortization schedule in each future year. Should such a scenario arise in any future year, the actuary will take appropriate action based on guidelines in the CalPERS amortization policy.

Amortization Schedule and Alternatives

Date	<u>Current Amortization Schedule</u>		<u>Alternate Schedules</u>			
	Balance	Payment	15 Year Amortization		10 Year Amortization	
	Balance	Payment	Balance	Payment	Balance	Payment
6/30/2020	4,461,839	277,384	4,461,839	402,430	4,461,839	550,143
6/30/2021	4,487,240	325,627	4,357,891	413,497	4,205,095	565,272
6/30/2022	4,464,516	365,886	4,235,219	424,868	3,914,730	580,817
6/30/2023	4,398,556	388,748	4,092,198	436,552	3,587,959	596,790
6/30/2024	4,304,332	413,508	3,927,079	448,557	3,221,792	613,201
6/30/2025	4,177,899	424,880	3,737,984	460,892	2,813,017	630,064
6/30/2026	4,030,853	436,564	3,522,892	473,567	2,358,184	647,391
6/30/2027	3,861,427	448,569	3,279,634	486,590	1,853,591	665,194
6/30/2028	3,667,723	460,905	3,005,876	499,971	1,295,259	683,487
6/30/2029	3,447,700	473,580	2,699,113	513,720	678,923	702,283
6/30/2030	3,199,164	486,603	2,356,654	527,848		
6/30/2031	2,919,759	499,985	1,975,610	542,363		
6/30/2032	2,606,953	493,809	1,552,878	557,278		
6/30/2033	2,278,640	486,915	1,085,126	572,604		
6/30/2034	1,934,476	470,908	568,780	588,350		
6/30/2035	1,582,779	443,697				
6/30/2036	1,234,609	393,312				
6/30/2037	914,186	235,374				
6/30/2038	734,707	199,218				
6/30/2039	580,063	170,471				
6/30/2040	444,330	151,393				
6/30/2041	318,831	118,046				
6/30/2042	219,041	113,607				
6/30/2043	116,858	90,403				
6/30/2044	31,525	32,609				
6/30/2045						
6/30/2046						
6/30/2047						
6/30/2048						
6/30/2049						
Totals		8,402,003		7,349,086		6,234,645
Interest Paid		3,940,164		2,887,247		1,772,806
Estimated Savings				1,052,918		2,167,359

Employer Contribution History

The table below provides a recent history of the required employer contributions for the plan, as determined by the annual actuarial valuation. It does not account for prepayments or benefit changes made during a fiscal year.

Fiscal Year	Employer Normal Cost	Unfunded Liability Payment (\$)
2016 - 17	9.846%	\$110,024
2017 - 18	9.887%	\$140,237
2018 - 19	10.411%	\$187,178
2019 - 20	11.120%	\$237,191
2020 - 21	11.816%	\$277,384

Funding History

The funding history below shows the **plan's actuarial accrued liability, share of the pool's market value of assets, share of the pool's unfunded liability, funded ratio, and annual covered payroll.**

Valuation Date	Accrued Liability (AL)	Share of Pool's Market Value of Assets (MVA)	Plan's Share of Pool's Unfunded Liability	Funded Ratio	Annual Covered Payroll
06/30/2011	\$ 9,778,185	\$ 7,722,490	\$ 2,055,695	79.0%	\$ 2,027,305
06/30/2012	10,476,671	7,836,176	2,640,495	74.8%	2,202,754
06/30/2013	11,501,527	9,347,245	2,154,282	81.3%	2,227,571
06/30/2014	13,148,590	11,270,947	1,877,643	85.7%	2,082,842
06/30/2015	13,989,799	11,466,023	2,523,776	82.0%	2,206,605
06/30/2016	15,318,554	11,723,885	3,594,669	76.5%	2,289,852
06/30/2017	16,417,094	12,854,700	3,562,394	78.3%	2,317,985
06/30/2018	18,413,662	14,169,584	4,244,078	77.0%	2,183,623

Risk Analysis

- Future Investment Return Scenarios
- Discount Rate Sensitivity
- Mortality Rate Sensitivity
- Inflation Rate Sensitivity
- Maturity Measures
- Hypothetical Termination Liability

Future Investment Return Scenarios

Analysis was performed to determine the effects of various future investment returns on required employer contributions. The projections below provide a range of results based on five investment return scenarios assumed to occur during the next four fiscal years (2018-19, 2019-20, 2020-21 and 2021-22). The projections also assume that all other actuarial assumptions will be realized and that no further changes to assumptions, contributions, benefits, or funding will occur.

For fiscal years 2018-19, 2019-20, 2020-21, and 2021-22, each scenario assumes an alternate fixed annual return. The fixed return assumptions for the five scenarios are 1.0 percent, 4.0 percent, 7.0 percent, 9.0 percent and 12.0 percent.

These alternate investment returns were chosen based on stochastic analysis of possible future investment returns over the four-year period ending June 30, 2022. Using the expected returns and volatility of the asset classes in which the funds are invested, we produced five thousand stochastic outcomes for this period based on the most recently completed Asset Liability Management process. We then selected annual returns that approximate the 5th, 25th, 50th, 75th, and 95th percentiles for these outcomes. For example, of all the 4-year outcomes generated in the stochastic analysis, approximately 25 percent of them had an average annual return of 4.0 percent or less.

Required contributions outside of this range are also possible. In particular, whereas it is unlikely that investment returns will average less than 1.0 percent or greater than 12.0 percent over this four-year period, the possibility of a single investment return less than 1.0 percent or greater than 12.0 percent in any given year is much greater.

Assumed Annual Return From 2018-19 through 2021-22	Projected Employer Contributions			
	2021-22	2022-23	2023-24	2024-25
1.0%				
Normal Cost	11.8%	11.8%	11.8%	11.8%
UAL Contribution	\$347,000	\$430,000	\$517,000	\$628,000
4.0%				
Normal Cost	11.8%	11.8%	11.8%	11.8%
UAL Contribution	\$336,000	\$398,000	\$454,000	\$524,000
7.0%				
Normal Cost	11.8%	11.8%	11.8%	11.8%
UAL Contribution	\$326,000	\$366,000	\$389,000	\$414,000
9.0%				
Normal Cost	12.0%	12.3%	12.5%	12.7%
UAL Contribution	\$320,000	\$351,000	\$358,000	\$362,000
12.0%				
Normal Cost	12.0%	12.3%	12.5%	12.7%
UAL Contribution	\$310,000	\$318,000	\$290,000	\$242,000

In addition, the projections above reflect the recent changes to the new amortization policy effective with the June 30, 2019 valuation. The projections above incorporate the impact of the CalPERS risk mitigation policy which reduces the discount rate when investment returns are above specified trigger points.

Discount Rate Sensitivity

Shown below are various valuation results as of June 30, 2018 assuming alternate discount rates. Results are shown using the current discount rate of 7.0 percent as well as alternate discount rates of 6.0 percent and 8.0 percent. The rates of 6.0 percent and 8.0 percent were selected since they illustrate the impact of a 1 percent increase or decrease to the 7.0 percent assumption. This analysis shows the potential plan impacts if the PERF were to realize investment returns of 6.0 percent or 8.0 percent over the long-term.

This type of analysis gives the reader a sense of the long-term risk to required contributions. For a measure of funded status that is appropriate for assessing the sufficiency of plan assets to cover estimated termination liabilities, **please see "Hypothetical Termination Liability" at the end of this section.**

Sensitivity Analysis				
As of June 30, 2018	Plan's Total Normal Cost	Accrued Liability	Unfunded Accrued Liability	Funded Status
7.0% (current discount rate)	18.724%	\$18,413,662	\$4,244,078	77.0%
6.0%	23.321%	\$20,942,721	\$6,773,137	67.7%
8.0%	15.198%	\$16,308,127	\$2,138,543	86.9%

Mortality Rate Sensitivity

The following table looks at the change in the June 30, 2018 plan costs and funded ratio under two different longevity scenarios, namely assuming post-retirement rates of mortality are 10 percent lower or 10 percent higher than our current mortality assumptions adopted in 2017. This type of analysis highlights the impact on the plan of improving or worsening mortality over the long-term.

As of June 30, 2018	Current Mortality	10% Lower Mortality Rates	10% Higher Mortality Rates
a) Accrued Liability	\$18,413,662	\$18,829,014	\$18,031,673
b) Market Value of Assets	\$14,169,584	\$14,169,584	\$14,169,584
c) Unfunded Liability (Surplus) [(a)-(b)]	\$4,244,078	\$4,659,430	\$3,862,089
d) Funded Status	77.0%	75.3%	78.6%

A 10 percent increase (decrease) in assumed mortality rates over the long-term would result in approximately a 1.6 percent increase (decrease) to the funded ratio.

Inflation Rate Sensitivity

The following analysis looks at the change in the June 30, 2018 plan costs and funded ratio under two different inflation rate scenarios, namely assuming the liability inflation rate is 1 percent lower or 1 percent higher than the current valuation inflation rate assumption of 2.50%, while holding the discount rate fixed at 7.0%. This type of analysis highlights the impact on the plan of increased or decreased inflation of active salaries and retiree COLAs over the long-term.

As of June 30, 2018	Current Inflation Rate	-1% Inflation Rate	+1% Inflation Rate
a) Accrued Liability	\$18,413,662	\$16,342,875	\$20,857,047
b) Market Value of Assets	\$14,169,584	\$14,169,584	\$14,169,584
c) Unfunded Liability (Surplus) [(a)-(b)]	\$4,244,078	\$2,173,291	\$6,687,463
d) Funded Status	77.0%	86.7%	67.9%

A decrease of 1 percent in the liability inflation rate (2.50 percent to 1.50 percent) reduces the Accrued Liability by 11.2 percent. However, a 1 percent increase in the liability inflation rate (2.50 percent to 3.50 percent) increases the Accrued Liability by 13.3 percent.

Maturity Measures

As pension plans mature they become much more sensitive to risks than plans that are less mature. Understanding plan maturity and how it affects the ability of a pension plan to tolerate risk is important in understanding how the plan is impacted by investment return volatility, other economic variables and changes in longevity or other demographic assumptions. One way to look at the maturity level of CalPERS and its plans is to look at the ratio of a plan's retiree liability to its total liability. A pension plan in its infancy will have a very low ratio of retiree liability to total liability. As the plan matures, the ratio starts increasing. A mature plan will often have a ratio above 0.60 to 0.65. For both CalPERS and other retirement systems in the United States, these ratios have been steadily increasing in recent years.

Ratio of Retiree Accrued Liability to Total Accrued Liability	June 30, 2017	June 30, 2018
1. Retired Accrued Liability	5,597,217	7,345,256
2. Total Accrued Liability	16,417,094	18,413,662
3. Ratio of Retiree AL to Total AL [(1) / (2)]	0.34	0.40

Another way to look at the maturity level of CalPERS and its plans is to look at the ratio of actives to retirees. A pension plan in its infancy will have a very high ratio of active to retired members. As the plan matures, and members retire, the ratio starts declining. A mature plan will often have a ratio near or below one. The average support ratio for CalPERS public agency plans is 1.25.

Support Ratio	June 30, 2017	June 30, 2018
1. Number of Actives	18	17
2. Number of Retirees	22	25
3. Support Ratio [(1) / (2)]	0.82	0.68

Actuarial calculations are based on a number of assumptions about long-term demographic and economic behavior. Unless these assumptions (e.g., terminations, deaths, disabilities, retirements, salary growth, and investment return) are exactly realized each year, there will be differences on a year-to-year basis. The year-to-year differences between actual experience and the assumptions are called actuarial gains and losses and serve to lower or raise required employer contributions from one year to the next. Therefore, employer contributions will inevitably fluctuate, especially due to the ups and downs of investment returns.

Asset Volatility Ratio (AVR)

Plans that have higher asset-to-payroll ratios experience more volatile employer contributions (as a percentage of payroll) due to investment return. For example, a plan with an asset-to-payroll ratio of 8 may experience twice the contribution volatility due to investment return volatility than a plan with an asset-to-payroll ratio of 4. Shown below is the asset volatility ratio, **a measure of the plan's current contribution volatility**. It should be noted that this ratio is a measure of the current situation. It increases over time but generally tends to stabilize as the plan matures.

Liability Volatility Ratio (LVR)

Plans that have higher liability-to-payroll ratios experience more volatile employer contributions (as a percentage of payroll) due to investment return and changes in liability. For example, a plan with a liability-to-payroll ratio of 8 is expected to have twice the contribution volatility of a plan with a liability-to-payroll ratio of 4. The liability volatility ratio is also shown in the table below. It should be noted that this ratio indicates a longer-term potential for contribution volatility. The asset volatility ratio, described above, will tend to move closer to the liability volatility ratio as the plan matures.

Contribution Volatility		June 30, 2017		June 30, 2018
1. Market Value of Assets	\$	12,854,700	\$	14,169,584
2. Payroll		2,317,985		2,183,623
3. Asset Volatility Ratio (AVR) [(1) / (2)]		5.5		6.5
4. Accrued Liability	\$	16,417,094	\$	18,413,662
5. Liability Volatility Ratio (LVR) [(4) / (2)]		7.1		8.4
6. Accrued Liability (7.00% discount rate)		16,691,163		18,413,662
7. Projected Liability Volatility Ratio [(6) / (2)]		7.2		8.4

Hypothetical Termination Liability

The hypothetical termination liability is an estimate of the financial position of the plan had the contract with CalPERS been terminated as of June 30, 2018. The plan liability on a termination basis is calculated differently **compared to the plan's ongoing funding liability**. For the hypothetical termination liability calculation, both compensation and service are frozen as of the valuation date and no future pay increases or service accruals are assumed. This measure of funded status is not appropriate for assessing the need for future employer contributions in the case of an ongoing plan, that is, for an employer that continues to provide CalPERS retirement benefits to active employees.

A more conservative investment policy and asset allocation strategy was adopted by the CalPERS Board for the Terminated Agency Pool. The Terminated Agency Pool has limited funding sources since no future employer contributions will be made. Therefore, expected benefit payments are secured by risk-free assets and benefit security for members is increased while funding risk is limited. However, this asset allocation has a lower expected rate of return than the PERF and consequently, a lower discount rate is assumed. The lower discount rate for the Terminated Agency Pool results in higher liabilities for terminated plans.

The effective termination discount rate will depend on actual market rates of return for risk-free securities on the date of termination. As market discount rates are variable, the table below shows a range for the hypothetical termination liability based on the lowest and highest interest rates observed during an approximate 2-year period centered around the valuation date.

Market Value of Assets (MVA)	Hypothetical Termination Liability ^{1,2} @ 2.50%	Funded Status	Unfunded Termination Liability @ 2.50%	Hypothetical Termination Liability ^{1,2} @ 3.25%	Funded Status	Unfunded Termination Liability @ 3.25%
\$14,169,584	\$30,880,803	45.9%	\$16,711,220	\$28,329,854	50.0%	\$14,160,270

¹ The hypothetical liabilities calculated above include a 5 percent mortality contingency load in accordance with Board policy. Other actuarial assumptions can be found in Appendix A of the Section 2 report.

² The current discount rate assumption used for termination valuations is a weighted average of the 10-year and 30-year U.S. Treasury yields where the weights are based on matching asset and liability durations as of the termination date. The discount rates used in the table are based on 20-year Treasury bonds, rounded to the nearest quarter percentage point, which is a good proxy for most plans. The 20-year Treasury yield was 2.91 percent on June 30, 2018, and was 2.83 percent on January 31, 2019.

In order to terminate the plan, you must first contact our Retirement Services Contract Unit to initiate a Resolution of Intent to Terminate. The completed Resolution will allow the plan actuary to give you a preliminary termination valuation with a more up-to-date estimate of the plan liabilities. CalPERS advises you to consult with the plan actuary before beginning this process.

Participant Data

The table below shows a summary of **your plan's** member data upon which this valuation is based:

	June 30, 2017	June 30, 2018
Reported Payroll	\$ 2,317,985	\$ 2,183,623
Projected Payroll for Contribution Purposes	\$ 2,523,714	\$ 2,368,771
Number of Members		
Active	18	17
Transferred	14	11
Separated	2	3
Retired	22	25

List of Class 1 Benefit Provisions

This plan has the additional Class 1 Benefit Provisions:

- One Year Final Compensation (FAC 1)
- 5% Annual Cost-of-Living Allowance Increase (5% COLA)

Plan's Major Benefit Options

Shown below is a summary of the major optional benefits for which your agency has contracted. A description of principal standard and optional plan provisions is in the following section of this Appendix.

Member Category	Benefit Group	
	Misc	Misc
Demographics		
Actives	Yes	No
Transfers/Separated	Yes	No
Receiving	Yes	Yes
Benefit Provision		
Benefit Formula	2% @ 55	2% @ 60
Social Security Coverage	Yes	Yes
Full/Modified	Full	Full
Employee Contribution Rate	7.00%	
Final Average Compensation Period	One Year	Three Year
Sick Leave Credit	Yes	No
Non-Industrial Disability	Standard	Standard
Industrial Disability	No	No
Pre-Retirement Death Benefits		
Optional Settlement 2	Yes	No
1959 Survivor Benefit Level	No	No
Special	No	No
Alternate (firefighters)	No	No
Post-Retirement Death Benefits		
Lump Sum	\$500	\$500
Survivor Allowance (PRSA)	No	No
COLA	5%	5%

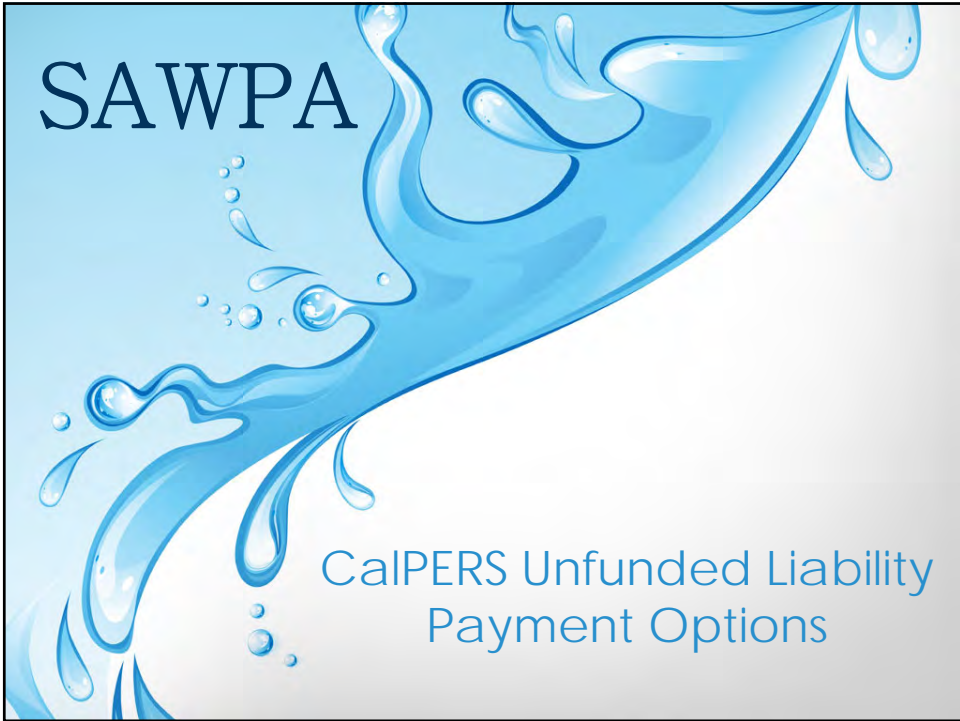
Section 2

CALIFORNIA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

**Section 2 may be found on the CalPERS website
(www.calpers.ca.gov) in the Forms and
Publications section**

Pay-off Savings from the Actuary dated 09-30-19

	Pre-2013 UAL		2013 Asset Loss		Total			Pre-2013 UAL		2013 Asset Loss		2013 Non-asset Loss		Total	
	Balance	Payment	Balance	Payment	Balance	Payment		Balance	Payment	Balance	Payment	Balance	Payment	Balance	Payment
06/30/2020	972,510	80,246	1,579,163	107,126	2,551,673	187,372	06/30/2020	972,510	80,246	1,579,163	107,126	(15,180)	(1,030)	2,536,493	186,342
06/30/2021	957,579	82,453	1,578,892	110,072	2,536,471	192,525	06/30/2021	957,579	82,453	1,578,892	110,072	(15,177)	(1,058)	2,521,294	191,467
06/30/2022	939,319	84,721	1,575,555	113,098	2,514,874	197,819	06/30/2022	939,319	84,721	1,575,555	113,098	(15,145)	(1,087)	2,499,729	196,732
06/30/2023	917,435	87,050	1,568,854	116,209	2,486,289	203,259	06/30/2023	917,435	87,050	1,568,854	116,209	(15,081)	(1,117)	2,471,208	202,142
06/30/2024	891,610	89,444	1,558,466	119,404	2,450,076	208,848	06/30/2024	891,610	89,444	1,558,466	119,404	(14,981)	(1,148)	2,435,095	207,700
06/30/2025	861,501	91,904	1,544,046	122,688	2,405,547	214,592	06/30/2025	861,501	91,904	1,544,046	122,688	(14,842)	(1,179)	2,390,705	213,413
06/30/2026	826,740	94,431	1,525,220	126,062	2,351,960	220,493	06/30/2026	826,740	94,431	1,525,220	126,062	(14,661)	(1,212)	2,337,299	219,281
06/30/2027	786,932	97,028	1,501,586	129,529	2,288,518	226,557	06/30/2027	786,932	97,028	1,501,586	129,529	(14,434)	(1,245)	2,274,084	225,312
06/30/2028	741,651	99,697	1,472,711	133,091	2,214,362	232,788	06/30/2028	741,651	99,697	1,472,711	133,091	(14,157)	(1,279)	2,200,205	231,509
06/30/2029	690,439	102,438	1,438,130	136,751	2,128,569	239,189	06/30/2029	690,439	102,438	1,438,130	136,751	(13,825)	(1,315)	2,114,744	237,874
06/30/2030	632,807	105,256	1,397,343	140,511	2,030,150	245,767	06/30/2030	632,807	105,256	1,397,343	140,511	(13,433)	(1,351)	2,016,717	244,416
06/30/2031	568,226	108,150	1,349,811	144,375	1,918,037	252,525	06/30/2031	568,226	108,150	1,349,811	144,375	(12,976)	(1,388)	1,905,061	251,137
06/30/2032	496,131	111,124	1,294,955	148,346	1,791,086	259,470	06/30/2032	496,131	111,124	1,294,955	148,346	(12,449)	(1,426)	1,778,637	258,044
06/30/2033	415,913	114,180	1,232,152	152,425	1,648,065	266,605	06/30/2033	415,913	114,180	1,232,152	152,425	(11,845)	(1,465)	1,636,220	265,140
06/30/2034	326,918	117,320	1,160,733	156,617	1,487,651	273,937	06/30/2034	326,918	117,320	1,160,733	156,617	(11,159)	(1,506)	1,476,492	272,431
06/30/2035	228,446	120,547	1,079,978	160,924	1,308,424	281,471	06/30/2035	228,446	120,547	1,079,978	160,924	(10,382)	(1,547)	1,298,042	279,924
06/30/2036	119,742	123,862	989,115	165,349	1,108,857	289,211	06/30/2036	119,742	123,862	989,115	165,349	(9,509)	(1,590)	1,099,348	287,621
06/30/2037			887,315	169,896	887,315	169,896	06/30/2037			887,315	169,896	(8,530)	(1,633)	878,785	168,263
06/30/2038			773,685	174,568	773,685	174,568	06/30/2038			773,685	174,568	(7,438)	(1,678)	766,247	172,890
06/30/2039			647,268	179,369	647,268	179,369	06/30/2039			647,268	179,369	(6,223)	(1,725)	641,045	177,644
06/30/2040			507,036	184,302	507,036	184,302	06/30/2040			507,036	184,302	(4,874)	(1,772)	502,162	182,530
06/30/2041			351,885	151,496	351,885	151,496	06/30/2041			351,885	151,496	(3,382)	(1,456)	348,503	150,040
06/30/2042			219,808	116,746	219,808	116,746	06/30/2042			219,808	116,746	(2,113)	(1,122)	217,695	115,624
06/30/2043			114,432	79,972	114,432	79,972	06/30/2043			114,432	79,972	(1,100)	(769)	113,332	79,203
06/30/2044			39,719	41,086	39,719	41,086	06/30/2044			39,719	41,086	(382)	(395)	39,337	40,691
Totals	1,709,851		3,380,012		5,089,863		Totals	1,709,851		3,380,012		(32,493)		5,057,370	
Interest	737,341		1,800,849		2,538,190		Interest	737,341		1,800,849		(17,313)		2,520,877	
			Payment June 30, 2020		2,551,673					Payment June 30, 2020				2,536,493	
			Actual Payment Date	3/31/2019	2,344,553					Actual Payment Date	3/31/2019			2,330,605	
			Projected savings		2,745,310					Projected savings				2,726,765	



1

CalPERS Formula

PERS 2% @ 55 - Classic

	FYE 2020	FYE 2021
PERS Employers Rate	11.12%	11.816%
Employer Paid Member Contribution (EPMC)	1.40%	0%
Unfunded Liability Payment	\$229,033	\$277,384

PERS 2% @ 62 - PEPRA

	FYE 2020	FYE 2021
PERS Employers Rate	7.191%	7.847%
Unfunded Liability Payment	\$6,095	\$11,686

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UAL – Classic Members

FYE	Unfunded Liability	Discount Rate	Employer Rate	UAL Payment
2015	\$2,169,716	7.5%	12.434%	\$0
2016	\$2,247,501	7.5%	9.454%	\$87,085
2017	\$3,104,742	7.5%	9.846%	\$106,117
2018	\$3,724,430	7.375%	9.887%	\$135,256
2019	\$3,649,848	7.25%	10.411%	\$180,636
2020	\$4,461,839*	7.0%	11.12%	\$229,033

* Projected

In July 2012, we paid off our side fund of \$321,424

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UAL - PEPRA Members

FYE	Unfunded Liability	Discount Rate	Employer Rate	UAL Payment
2015	\$0	7.5%	6.70%	\$0
2016	\$0	7.5%	6.724%	\$0
2017	\$6,847	7.5%	7.066%	\$57
2018	\$25,286	7.375%	7.045%	\$174
2019	\$28,087	7.25%	7.383%	\$5,486
2020	\$52,175*	7.0%	7.191%	\$6,095

* Projected

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Definitions

Unfunded Liability

A liability that does not have current or projected assets to cover the liability.

Unfunded Accrued Liability (UAL)

The present value of future employer contributions for service that has already been earned.

Deferred Outflows of Resources

The consumption of net assets by the government that is applicable to a future reporting period. (prepaid items and deferred charges)

Deferred Inflows of Resources

An acquisition of net assets by the government that is applicable to a future reporting period. (deferred revenue and advance collections)

5

Options to Pay Down the UAL

- Option 1
 - Pay off \$2,551,673 from reserves
 - Interest savings of \$2,538,190 over amortization period
 - Lower annual payment approximately \$190,000 per year

- Option 2
 - Use Alternative Amortization Schedule
 - 15 year
 - 10 year
 - Increase annual payment amount
 - Reduce interest costs

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Option 1- Pay Down the UAL

Schedule of Plan's Amortization Bases

Reason for Base	Date Established	Amortization Period	Balance 6/30/18	Payment 2018-19	Balance 6/30/19	Payment 2019-20	Balance 6/30/20	Scheduled Payment for 2020-21
SHARE OF PRE-2013 POOL UAL	06/30/13	17	\$995,357	\$77,016	\$985,366	\$79,110	\$972,510	\$80,246
NON-ASSET (GAIN)/LOSS	06/30/13	25	\$(14,944)	\$(792)	\$(15,171)	\$(1,018)	\$(15,180)	\$(1,030)
ASSET (GAIN)/LOSS	06/30/13	25	\$1,554,636	\$82,432	\$1,578,192	\$105,860	\$1,579,163	\$107,126
NON-ASSET (GAIN)/LOSS	06/30/14	26	\$1,312	\$52	\$1,350	\$72	\$1,370	\$91
ASSET (GAIN)/LOSS	06/30/14	26	\$(1,231,331)	\$(49,085)	\$(1,266,750)	\$(67,242)	\$(1,285,867)	\$(85,030)
ASSUMPTION CHANGE	06/30/14	16	\$752,049	\$41,374	\$761,895	\$56,665	\$756,613	\$71,946
NON-ASSET (GAIN)/LOSS	06/30/15	27	\$(60,302)	\$(1,627)	\$(62,840)	\$(2,508)	\$(64,645)	\$(3,381)
ASSET (GAIN)/LOSS	06/30/15	27	\$764,857	\$20,639	\$797,048	\$31,809	\$819,938	\$42,886
NON-ASSET (GAIN)/LOSS	06/30/16	28	\$(113,778)	\$(1,579)	\$(120,109)	\$(3,245)	\$(125,160)	\$(4,919)
ASSET (GAIN)/LOSS	06/30/16	28	\$955,787	\$13,263	\$1,008,973	\$27,257	\$1,051,406	\$41,319
ASSUMPTION CHANGE	06/30/16	18	\$290,704	\$5,486	\$305,379	\$11,272	\$315,096	\$17,155
NON-ASSET (GAIN)/LOSS	06/30/17	29	\$(23,572)	\$0	\$(25,222)	\$(350)	\$(26,625)	\$(708)
ASSET (GAIN)/LOSS	06/30/17	29	\$(472,726)	\$0	\$(505,817)	\$(7,027)	\$(533,955)	\$(14,193)
ASSUMPTION CHANGE	06/30/17	19	\$306,173	\$(17,773)	\$345,990	\$6,535	\$363,449	\$13,253
NON-ASSET (GAIN)/LOSS	06/30/18	30	\$70,036	\$0	\$74,938	\$0	\$80,184	\$1,095
ASSET (GAIN)/LOSS	06/30/18	30	\$(146,190)	\$0	\$(156,423)	\$0	\$(167,373)	\$(2,286)
METHOD CHANGE	06/30/18	20	\$136,321	\$(1,020)	\$146,918	\$(1,048)	\$158,286	\$2,951
ASSUMPTION CHANGE	06/30/18	20	\$479,689	\$(15,410)	\$529,207	\$(15,833)	\$582,630	\$10,863
TOTAL			\$4,244,078	\$152,976	\$4,382,924	\$220,309	\$4,461,840	\$277,384

Discount rate used by CalPERS= 7%

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Option 1 – Pay Down the UAL

- Pay off amortization bases of \$2,551,673
- Interest savings of \$2,538,190 over amortization period
- Lower annual payment approximately \$190,000 per year
- Other Options
 - Could pay off other amortization bases
 - Could pay off the total UAL

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Option 1 – Pros and Cons

- Pros
 - Reduce the annual payment or continue same payment to reduce UAL quicker
 - Interest savings
 - Reduce liabilities on the balance sheet
 - Pay of UAL faster
 - Reserves earn average interest of 2.5%, liability accrues interest at 7%
- Cons
 - Lowers our total reserves
 - General Fund (100)
 - Brine Line Operating

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Option 2 - Use Alternate Amortization Schedule

- 15 Year Amortization Schedule
 - Increase annual payment amount by \$125,046 for FYE 2020
 - Estimated interest savings of \$1,052,918
- 10 Year Amortization Schedule
 - Increase annual payment amount by \$272,759 for FYE 2020
 - Estimated interest savings of \$2,167,359

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Option 2 – Pros and Cons

- Pros
 - Pay off UAL faster
 - Reduce liabilities on the balance sheet
 - Interest savings
- Cons
 - Is the higher payment sustainable?
 - Payment would continue to increase each year
 - Would increase our indirect costs and benefit rates
 - Would increase member agency contributions

11



Questions?

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COMMISSION MEMORANDUM NO. 2019.106

DATE: October 15, 2019

TO: SAWPA Commission

SUBJECT: Project Agreements 25 (One Water One Watershed) | Project Agreement 26 (Roundtables/Task Forces)

PREPARED BY: Larry McKenney

RECOMMENDATION

Approve Project Agreement 25 (One Water One Watershed); approve Project Agreement 26 (Roundtables/Task Forces); and, direct the Clerk of the Board to seek member agency approval and execution.

DISCUSSION

Consistent with the Joint Powers Agreement, SAWPA and the Member Agencies have worked to develop project agreements covering SAWPA's non-administrative activities. The intent is to develop project agreements addressing the three business lines identified in the 2016 Strategic Review. Project Agreement 24 addressed the Inland Empire Brine Line functions and activities, and was approved and fully executed during this past summer.

The proposed Project Agreement 25 addresses the One Water One Watershed Program. It recognizes the Commission's establishment of the Steering Committee and provides the framework for Commission oversight of the possible SAWPA roles, including program administration, grant administration, project management, project participant, or project proponent. All five member agencies are anticipated to participate in OWOW Program, so the project agreement recognizes that the Commission will continue to oversee the program. The project budget will be identifiable, but will be developed, adopted, and approved along with the SAWPA budget.

The proposed Project Agreement 26 addresses the Roundtables or Task Forces in which SAWPA participates. It recognizes that each such activity is the subject of a distinct agreement among various participants, including non-Member Agencies, that there is typically a high proportion of cost sharing, and that each specific Roundtable or Task Force agreement will come to the Commission for approval. As with Project Agreement 25, the budget for the Project Agreement 26 will be developed, adopted, and approved along with the SAWPA budget.

Assuming all Member Agencies execute the agreements, business items related to these two project agreements would be brought to the Commission in its normal meeting, identified as pertaining to one project or another, but without need for separate meetings or special voting procedures.

These proposed project agreements have been reviewed and commented on by the Member Agencies and their counsels and represent their consensus.

CRITICAL SUCCESS FACTORS

- Continued support from SAWPA commission of OWOW Steering Committee's decision making authority as a means of ensuring trust, transparency, and external communications.
- Active participation of a diverse group of stakeholders representing counties, cities, and water districts, as well as the private sector and the regulatory, environmental, and environmental justice communities who integrate the different interests in the watershed beyond political boundaries. Ensuring all perspectives are heard and valued.
- OWOW criteria and values are transparent to watershed-wide stakeholders.
- A strong reputation and sufficient capacity within SAWPA staff for strategic facilitation, planning, communication, leadership and community engagement.
- Administration of the OWOW process and plan in a highly efficient and cost-effective manner.
- Successful implementation of an integrated regional water resource plan that reflects the watershed management needs of the public and the environment.
- Annual review the accomplishments and implementation performance of the plan with the Commission and the Steering Committee.
- SAWPA has a strong reputation as a watershed-wide, knowledgeable, neutral and trusted facilitator, leader, and administrator of contracted activities.
- Goals, scope, costs, resources, timelines, and the contract term are approved by the Commission before executing an agreement to participate in a roundtable group.
- Clear upfront criteria and terms for completing or transitioning efforts that have been successfully established or completed.
- Report and use results of roundtable's work, leverage information and involvement for the benefit of SAWPA, its members, and other stakeholders.
- Annual reviews of workplans and budgets for each task force activity.
- Adequate professional staff and resources to effectively provide facilitation, management, administrative and technical support to collaborative work efforts.

RESOURCE IMPACTS

None.

Attachments:

1. Project Agreement 25
2. Project Agreement 26

SANTA ANA WATERSHED PROJECT AUTHORITY

PROJECT AGREEMENT 25

ONE WATER, ONE WATERSHED (OWOW)

THIS AGREEMENT is made on _____, 2019, by and between the **SANTA ANA WATERSHED PROJECT AUTHORITY (“SAWPA”)**, a joint powers agency created pursuant to Government Code Section 6500 et seq., and the following Member Agencies of SAWPA: **EASTERN MUNICIPAL WATER DISTRICT (“EASTERN”); INLAND EMPIRE UTILITIES AGENCY (“IEUA”); SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT (“VALLEY”); WESTERN MUNICIPAL WATER DISTRICT (“WESTERN”),** and **ORANGE COUNTY WATER DISTRICT (“OCWD”),** all collectively referred to herein as “Parties.”

RECITALS

- A. The Parties are all special districts with broad authority over water resources, including powers to develop, protect, and enhance water supply and reliability within the region and to protect and preserve the quality of the surface and subsurface water supplies within their respective boundaries. SAWPA is a Joint Powers Authority, formed by the other Parties pursuant to Government Code Section 6500 et seq., to serve as a regional entity to facilitate the collaborative development and regional implementation of a wide range of water resources strategies.
- B. The SAWPA Joint Powers Agreement, as amended, provides for SAWPA’s exercise of the shared powers of the Member Agencies, and recognizes SAWPA shall function through the identification and implementation of specific projects. The JPA establishes that such specific projects will be administered through individual project agreements and by project committees when less than all of the SAWPA member agencies are participating.
- C. SAWPA was originally formed in 1967 to engage in watershed-scale water quality planning. During the 1970s, the agency was reformed as a project authority to implement projects in furtherance of the planning that had been done. From its beginning, SAWPA worked closely with the Santa Ana Regional Water Quality Control Board, and worked collaboratively with other stakeholders and agencies in the watershed. In 1984, SAWPA’s purpose was broadened to encompass a wide range of water supply and water quality issues and activities.
- D. In the 1990s, SAWPA engaged in a watershed-scale strategic planning effort that led to the development of the Santa Ana Integrated Watershed Program. This program was included in Proposition 13 (2009) and became the model for the State’s integrated regional water management program, created in 2002, by the Regional Water Management Planning Act (Water Code Section 10539 et seq.). Since then, various bond acts approved by California voters have provided over \$1.5 billion in State funding to support and advance integrated, multi-benefit regional projects.
- E. After the California Department of Water Resources (DWR) formalized a process for approval of Regional Water Management Groups (RWMG) for purposes of being eligible to apply for Integrated Regional Water Management (IRWM) grants, SAWPA submitted a Regional

Acceptance Process application and was approved by DWR as the RWMG for the Santa Ana River watershed.

- F. In 2007, SAWPA renamed its IRWM process, One Water, One Watershed (OWOW), and launched a broad stakeholder process to draft an updated plan, the OWOW Plan. In 2009, the SAWPA Commission approved a governance policy for OWOW that established the OWOW Steering Committee to oversee development of the OWOW Plan and updates thereto and to develop recommendations of suites of projects to include in future IRWM grant applications or for other funding opportunities. The Steering Committee is constituted of County supervisors, City council members or mayors, SAWPA Commissioners, and representatives of the environmental community, the business community, and the Santa Ana Regional Board. Within the structure of the OWOW Pillars, the Steering Committee, and the SAWPA Commission, the Commission remains the governing body of the RWMG.
- G. SAWPA has recently adopted the third updated version of the OWOW Plan, the OWOW Plan Update 2018. SAWPA is preparing a grant application in response to the Proposition 1 Round 1 IRWM Implementation Grant solicitation from DWR. SAWPA is currently administering grant agreements with DWR from four prior rounds of grant funding from Proposition 84, and from Proposition 1 for the Disadvantaged Communities Involvement Program.
- H. SAWPA acts in several capacities within the OWOW program, including serving as staff to the Commission and the Steering Committee, leading the development of the OWOW Plan, administering planning contracts, facilitating extensive stakeholder processes, assembling the region's grant applications, contracting with DWR and administering grant agreements, and in some cases acting as a project proponent, or on behalf of a group of applicants. Where SAWPA is not a project proponent, it could also serve a project implementation role, in addition to functioning as a grant administrator, but that implementation role would be subject to a separate project agreement, analogous to the existing Project Agreements 22 and 23.
- I. All SAWPA Member Agencies have actively participated in the OWOW program and its governance and foresee continuing that participation.
- J. This project agreement is intended to describe SAWPA's activities, the responsibilities of the Parties, and the procedures SAWPA will follow with regard to the OWOW program.

COVENANTS

Based on the foregoing facts, and in consideration of the mutual covenants of the Parties, it is agreed that:

1. This project agreement (PA25) defines the responsibilities of the Parties and the administrative procedures that will apply to the integrated regional water management program in the Santa Ana River watershed, known as OWOW. In accordance with Section 18 of the SAWPA Joint Powers Agreement, the SAWPA Member Agencies will govern the implementation of this PA25 through the SAWPA Commission.

2. Per Section 18 of SAWPA Joint Powers Agreement , all budget and operating decisions related to PA25 will be made by unanimous consent of the Parties. The Parties agree that, other than approval or amendment of the project budget in accordance with this PA25, no other decisions related to the activities addressed by this PA25 shall be deemed budget or operating decisions.
3. The Commission will have such authority as may be necessary to implement the provisions of this PA25 so long as expenditures are within the PA25 budget. Consistent with Section 29 of the SAWPA Joint Powers Agreement, any expenditure or contractual commitment of SAWPA funds which exceeds the PA25 budget must be approved by unanimous consent of the Parties. Any expenditures or contractual commitments within the designations and limitations of the approved PA25 budget shall be made on the authorization of a majority of the Commission and in accordance with all regular SAWPA administrative and operating policies.
4. SAWPA has funded all aspects of the OWOW program through State and federal grants and SAWPA Member Agency contributions. SAWPA also accounts for the project proponents' matching funds used for projects that receive grants. In the future, it is possible the OWOW program could also be financially supported by other cost-sharing by stakeholders or other sources of revenue not yet foreseen. How such funding would be utilized will be addressed through the PA25 project budget process. In conjunction with each SAWPA budget, SAWPA shall prepare a budget for the OWOW Program (PA25 budget) that shall address the sources and uses of funds and the respective financial obligations and functions of the Parties. The PA25 budget shall include costs for SAWPA administration of this PA25 and of the OWOW Program. If any PA25 Party fails or refuses to approve any PA25 budget, said budget shall be returned to the Commission for restudy and revision. In the event a PA25 budget acceptable to all of the Parties is not obtained prior to the start of the fiscal year, SAWPA shall continue to implement the OWOW Program at the level of total expenditure authorized by the last approved PA25 budget and shall continue to adhere to the requirements of any executed grant agreements related to OWOW projects or activities. The Parties shall be obligated to fund such obligations and activities to the same extent as in the previously approved PA25 budget. For administrative convenience, the PA25 budget shall be included with the SAWPA budget for approval by the Parties' governing boards per the SAWPA Joint Powers Agreement. Approval of the proposed PA25 budget shall not be unreasonably withheld by the Parties. SAWPA shall provide a quarterly report to the Commission of actual expenses relative to the approved PA25 budget.
5. OWOW Plan. Development and adoption of updates of the OWOW Plan is a core function of the RWMG. The SAWPA Commission relies on the Steering Committee to oversee development of plan updates and present them to the Commission for adoption. SAWPA staff will lead the stakeholder process and final drafting for any updates and will present drafts to the Steering Committee. SAWPA staff will, with Commission approval, seek grant funds to cover planning costs when available.
6. IRWM Implementation Grant Applications. When grant opportunities are available for IRWM implementation, SAWPA staff will administer the Steering Committee's solicitation, review, evaluation, and ranking of projects and the development of a recommendation to the Commission for a portfolio of projects for each grant opportunity. Contracting for any consultant support for this process in excess of the SAWPA General Manager's procurement authority would require approval by the Commission.

7. Other Grants. SAWPA will take advantage of opportunities to use the OWOW Plan and the OWOW process to support efforts by other entities in the watershed to obtain grants not specifically targeted to IRWM for projects related to IRWM. SAWPA may apply for grants that are not from the State's IRWM program and may use the OWOW Plan to support its application, but that SAWPA activity would not be pursuant to this project agreement. A decision for SAWPA to pursue other grants would be outside of this PA25 and would require action by the Commission.
8. Other Funds. Other funding opportunities beyond State grants might become available for IRWM planning or implementation in the future, including new cost-sharing approaches, other partners, private philanthropic grants, or other sources. Pursuing or accepting any such funding would require Commission action. This PA25 allows such other funds, if obtained, to be applied to OWOW activities.
9. IRWM Grant Administration. As an approved RWMG, SAWPA will continue its role of administering the IRWM program for the region, including executing and implementing grant agreements with the State. Where State grant funds may be used for grant administration, SAWPA will use grant funds for that purpose.
10. SAWPA as an IRWM Project Proponent. SAWPA, with Commission approval, may seek and accept grant funds from IRWM grant opportunities. In such a case, the SAWPA project will be competitively evaluated along with all other projects submitted for that grant round. In addition, one or more project proponents may agree with SAWPA to administer, manage or assist with the implementation of a project that receives grant funds. In that case, SAWPA's agreed upon project administration costs shall be accounted for as project costs, separate and distinct from grant administration costs. Arrangements for such services may be the subject of separate agreements between SAWPA and other entities. If the other participants in such an arrangement are all SAWPA member agencies, funds available to SAWPA for services in support of that project shall be approved in accordance with the budgeting process described in Section 4 above, or per any other applicable project agreement specific to that project. If the other participants in such an arrangement include non-member agencies, funds available to SAWPA for services in support of that project shall be approved in accordance with Project Agreement 26.
11. At the time of execution of this PA25, SAWPA has executed various agreements related to OWOW, including grant agreements with the State, subgrantee agreements related to specific projects or programs, and an MOU with several Orange County agencies related to IRWM grant funding. This PA25 does not amend, revise, or abrogate any existing agreements.
12. This PA25 addresses SAWPA's IRWM role in developing and updating the OWOW Plan; applying for, allocating, and administering IRWM grant funds from the State; and implementing any IRWM grant-funded projects for which SAWPA is the project proponent. With regard to other IRWM projects, SAWPA may also take on a project implementation role separately from its grant administration role, but that activity would be under a separate project agreement.

- 13. Any of the Parties may withdraw from this PA25 at any time upon not less than 60 days written notice to the other Parties . Obligations of the withdrawing Party , including any liabilities related to any grant agreement or other financing commitment associated with PA25, will be determined according to the PA25 budget then in effect or by the Commission. Pursuant to Section 8 of the SAWPA Joint Powers Agreement, no withdrawal shall relieve the withdrawing Party from financial obligations theretofore incurred by it under this PA25.
- 14. No right, duty, or obligation of whatever kind or nature created herein will be assigned by any Party to this PA25 without the prior written consent of the Commission.
- 15. This PA25 shall inure to the benefit of and bind the successors and assigns of the Parties hereto.
- 16. Each signatory hereto warrants that the execution of this PA25 represents the approval of that Party's board of directors of this PA25.
- 17. This PA25 may be executed in counterparts.
- 18. The Recitals are incorporated herein and made an operative part of this PA25.
- 19. Except as otherwise specifically provided for in this PA25, the provisions of the SAWPA Joint Powers Agreement, as amended, shall be controlling in regard to the performance of this PA25.

IN WITNESS WHEREOF, the signatories hereto have executed this PA25 to be effective as of the day and year first written above.

SANTA ANA WATERSHED PROJECT AUTHORITY

By _____

Its _____

Approved as to Form:

By _____

Its _____

EASTERN MUNICIPAL WATER DISTRICT

By _____

Its _____

Approved as to Form:

By _____

Its _____

INLAND EMPIRE UTILITIES AGENCY

By _____

Its _____

Approved as to Form:

By _____

Its _____

SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT

By _____

Its _____

Approved as to Form:

By _____

Its _____

WESTERN MUNICIPAL WATER DISTRICT

By _____

Its _____

Approved as to Form:

By _____

Its _____

ORANGE COUNTY WATER DISTRICT

By _____

Its _____

Approved as to Form:

By _____

Its _____

Draft

SANTA ANA WATERSHED PROJECT AUTHORITY

PROJECT AGREEMENT 26

Roundtables/ Task Forces

THIS AGREEMENT is made on _____, 2019, by and between the **SANTA ANA WATERSHED PROJECT AUTHORITY (“SAWPA”)**, a joint powers agency created pursuant to Government Code Section 6500 et seq., and the following Member Agencies of SAWPA: **EASTERN MUNICIPAL WATER DISTRICT (“EASTERN”); INLAND EMPIRE UTILITIES AGENCY (“IEUA”); SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT (“VALLEY”); WESTERN MUNICIPAL WATER DISTRICT (“WESTERN”),** and **ORANGE COUNTY WATER DISTRICT (“OCWD”),** all collectively referred to herein as “Parties.”

RECITALS

- A. The Parties are all special districts with broad authority over water resources, including powers to develop, protect, and enhance water supply and reliability within the region and to protect and preserve the quality of the surface and subsurface water supplies within their respective boundaries. SAWPA is a Joint Powers Authority, formed by the other Parties pursuant to Government Code Section 6500 et seq., to serve as a regional entity to facilitate the collaborative development and regional implementation of a wide range of water resources strategies.
- B. The SAWPA Joint Powers Agreement, as amended, provides for SAWPA’s exercise of the shared powers of the Member Agencies, and recognizes SAWPA shall function through the identification and implementation of specific projects. The JPA establishes that such specific projects will be administered through individual project agreements and by project committees when less than all of the SAWPA member agencies are participating.
- C. SAWPA was originally formed in 1967 to engage in watershed-scale water quality planning. During the 1970s, the agency was reformed as a project authority to implement projects in furtherance of the planning that had been done. From its beginning, SAWPA worked closely with the Santa Ana Regional Water Quality Control Board, and worked collaboratively with other stakeholders and agencies in the watershed. In 1984, SAWPA’s purpose was broadened to encompass a wide range of water supply and water quality issues and activities.
- D. Throughout its existence, SAWPA has served as a resource and forum for collaboration between diverse stakeholders in the watershed to address regional interests. For this purpose, SAWPA has entered into dozens of agreements with varying entities about specific activities. These groups formed or served by these agreements have been called Roundtables or Task Forces. Unlike project committees under SAWPA’s Joint Powers Agreement, Roundtables involve entities other than SAWPA Member Agencies, although sometimes one or more SAWPA Member Agencies are also participants.

- E. The SAWPA Commission has acted on behalf of all five SAWPA Member Agencies with regard to Roundtable and Task Forces agreements and activities, and desires to continue to do so. This project agreement intends to state SAWPA's process for participating in Roundtables or Task Forces.

COVENANTS

Based on the foregoing facts, and in consideration of the mutual covenants of the Parties, it is agreed that:

1. This project agreement (PA26) defines the responsibilities of the Parties and the administrative procedures that will apply to SAWPA's participation in various separately formed Roundtables or Task Forces or similar collaborations of varying combinations of SAWPA Member Agencies and other agencies and organizations. In accordance with Section 18 of the SAWPA Joint Powers Agreement, the SAWPA Member Agencies will govern the implementation of this PA26 through the SAWPA Commission.
2. Per Section 18 of the SAWPA Joint Powers Agreement, all budget and operating decisions related to PA26 will be made by unanimous consent of the Parties. The Parties agree that, other than approval or amendment of the project budget in accordance with this PA26, no other decisions related to the activities addressed by this PA26 shall be deemed to be budget or operating decisions.
3. The SAWPA Commission will have such authority as may be necessary to implement the provisions of this PA26 so long as expenditures are within the PA26 budget. Consistent with Section 29 of the SAWPA Joint Powers Agreement, any expenditure or contractual commitment of SAWPA funds which exceed the SAWPA contribution included in an approved PA26 budget must be approved by unanimous consent of the Parties. Any expenditures or contractual commitments within the designations and limitations of the approved PA26 budget shall be made on the authorization of a majority of the SAWPA Commission and in accordance with all regular SAWPA administrative and operating policies.
4. Each Roundtable or Task Force will be the subject of a separate agreement that describes the roles and responsibilities, including cost-sharing obligations, of all the participants. According to the specific Roundtable or Task Force agreement, SAWPA may participate as a member of the Roundtable or Task Force, and may contribute funds to such efforts, if the SAWPA Commission approves such an agreement and budgets funds for that purpose. In other cases, SAWPA may agree to administer or facilitate the Roundtable or Task Force, in which case it will recover the cost of such service from the cost-sharing participants in the agreement. All such financial arrangements will be reflected in the PA26 budget developed, adopted, and approved as described below. If SAWPA provides services to any Roundtable or Task Force without reimbursement, the cost of such services shall be accounted for as an in-kind contribution, and the value must be addressed in the PA26 budget with an identified funding source.
5. In conjunction with each SAWPA budget, SAWPA shall prepare a budget for the active Roundtables and Task Forces (PA26 budget) that shall address the sources and uses of funds and the respective financial obligations and functions of the Parties. The budget shall include costs

for SAWPA administration of this PA26 and of the various Roundtables and Task Forces, as well as any direct financial contribution of SAWPA to any of those activities. If any PA26 Party fails or refuses to approve any PA26 budget, said budget shall be returned to the SAWPA Commission for restudy and revision. In the event a budget acceptable to all of the Parties is not obtained prior to the start of the fiscal year, SAWPA shall continue to implement the existing Roundtables and Task Forces at the level of total expenditure authorized by the last approved PA26 budget and shall continue to adhere to the requirements of any executed cost sharing or grant agreements related to such Roundtables and Task Forces. The Parties shall be obligated to fund such obligations and activities to the same extent as in the previously approved budget. For administrative convenience, the PA26 budget shall be included with the SAWPA budget for approval by the Parties' governing boards per the SAWPA Joint Powers Agreement. Approval of the proposed PA26 budget shall not be unreasonably withheld by the Parties. SAWPA shall provide a quarterly report to the SAWPA Commission of actual expenses relative to the approved budget.

6. Initiation of any new Roundtable or Task Force, or of SAWPA's participation in such an activity, that involves a financial or in-kind contribution by SAWPA exceeding the General Manager's authority requires SAWPA Commission approval. All currently active Roundtables or Task Forces will be included in a report provided to the SAWPA Commission quarterly with a concise summary of the group's purpose and recent activities.
7. A decision to terminate participation in any Roundtable or Task Force for which an agreement was approved by the SAWPA Commission requires SAWPA Commission approval. Roundtables or Task Forces that fulfill their purpose, have other partners terminate their involvement, have other partners fail to agree upon a work plan or cost-sharing for more than one year, or become inactive for more than one year will be reported to the SAWPA Commission in a regular quarterly report.
8. Any of the Parties may withdraw from this PA26 at any time upon not less than 60 days written notice to the other Parties. Obligations of the withdrawing Party, including any liabilities related to any grant agreement or other financing commitment associated with PA26, will be determined according to the PA26 budget then in effect or by the SAWPA Commission. Pursuant to Section 8 of the SAWPA Joint Powers Agreement, no withdrawal shall relieve the withdrawing Party from financial obligations theretofore incurred by it under this PA26.
9. No right, duty, or obligation of whatever kind or nature created herein will be assigned by any Party to this PA26 without the prior written consent of SAWPA.
10. This PA26 shall inure to the benefit of and bind the successors and assigns of the Parties hereto.
11. Each signatory hereto warrants that the execution of this PA26 represents the approval of that Party's board of directors of this PA26.
12. This PA26 may be executed in counterparts.
13. The Recitals are incorporated herein and made an operative part of this PA26.
14. Except as otherwise specifically provided for in this PA26, the provisions of the SAWPA Joint Powers Agreement, as amended, shall be controlling in regard to the performance of this PA26.

IN WITNESS WHEREOF, the signatories hereto have executed this PA26 to be effective as of the day and year first written above.

SANTA ANA WATERSHED PROJECT AUTHORITY

By _____

Its _____

Approved as to Form:

By _____

Its _____

EASTERN MUNICIPAL WATER DISTRICT

By _____

Its _____

Approved as to Form:

By _____

Its _____

INLAND EMPIRE UTILITIES AGENCY

By _____

Its _____

Approved as to Form:

By _____

Its _____

SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT

By _____

Its _____

Approved as to Form:

By _____

Its _____

WESTERN MUNICIPAL WATER DISTRICT

By _____

Its _____

Approved as to Form:

By _____

Its _____

ORANGE COUNTY WATER DISTRICT

By _____

Its _____

Approved as to Form:

By _____

Its _____

COMMISSION MEMORANDUM NO. 2019.109

DATE: October 15, 2019

TO: SAWPA Commission

SUBJECT: Network Coordinator Consultant for the California IRWM Roundtable of Regions | JM Consultants

PREPARED BY: Ian Achimore, Senior Watershed Manager

RECOMMENDATION

It is recommended that the SAWPA Commission authorize the General Manager to execute an Agreement for Services and Task Order No. JMC373-01 with JM Consultants in the amount of \$54,454 to serve as Network Coordinator consultant for the California IRWM Roundtable of Regions.

DISCUSSION

Sierra Water Workgroup (SWW) was successful in responding to the December 2018 Request for Proposals (RFP) entitled “Network Coordinator for the California Integrated Regional Water Management (IRWM) Roundtable of Regions.” SWW included Jodie Monaghan as part of the SWW team. She is a sub-consultant as JM Consultants. SWW received approval by the Commission on March 19, 2019 to proceed with the Network Coordinator Project scope of work. After starting the Network Coordinator Project, the owner/principal of the prime consultant, Sierra Water Workgroup, was affected by a major illness and is no longer able to complete the Project.

JM Consultants was a part of the only proposal originally received, and is able to continue implementing the entire scope of work. JM Consultants is based in Northern California and has experience in managing IRWM regional work such as the Yosemite-Mariposa Integrated Regional Water Management Plan and Proposition 1 Disadvantaged Communities and Tribal Involvement Project for the Mountain Counties IRWM Region.

Due to time constraints, and the need to complete major portions of the Roundtable of Regions Coordinator scope of work, such as the Water Resilience Portfolio comments and the Roundtable of Regions Summit on November 20 in Burbank, it is not feasible to issue an additional RFP.

BACKGROUND

The Roundtable of Regions was formed in 2006 as an informal partnership between IRWM regions across the State and is currently composed of 48 participants. The Roundtable focuses on two functions: 1) promoting the philosophy of integrated regional water management, and 2) equipping those engaged in the work with the tools and partnerships necessary for success. The Roundtable exists to build and leverage trusted relationships among organizations engaged in the IRWM Program to extend limited resources and amplify on-the-ground results.

Since 2006, two agency representatives have both co-chaired and managed the logistics of Roundtable meetings. The complexity of the work underway within the Roundtable now requires a dedicated professional who can coordinate the activity of the network. The work of the

Roundtable will remain primarily the responsibility of the co-chairs and other members, and the network coordinator will assume the responsibility for coordinating internal and external communication, internal planning, and events convened or co-convened by the Roundtable.

Per Commission approval on December 18, 2018, SAWPA released a Request for Proposals (RFP) for the network coordinator. One proposal was received from the Sierra Water Workgroup, Inc., a consultant based in Sacramento with experience managing IRWM programs for several regions in California. The RFP response was reviewed by SAWPA staff, the Roundtable co-chairs (which includes a member from the San Diego and Ventura IRWM regions) and two other Roundtable members.

The budget that the Commission ultimately approved for Sierra Water Workgroup totaled to \$84,454 for a 15-month scope of work. Sierra Water Workgroup has performed according to the scope of work up to the present. An initial invoice of \$12,000 has been paid, and second invoice for \$18,000 is anticipated. Thereafter, work on the project as SWW will cease. The remaining approved cost for the Network Coordinator Project is \$54,454.

CRITICAL SUCCESS FACTORS

OWOW CSF 5 A strong reputation and sufficient capacity within SAWPA staff for strategic facilitation, planning, communication, leadership and community engagement.

Roundtables CSF 1 SAWPA has a strong reputation as a watershed-wide, knowledgeable, neutral and trusted facilitator, leader, and administrator of contracted activities.

RESOURCE IMPACTS

The contract funding for JM Consultants will be provided by fourteen contributing partners including SAWPA. SAWPA will contribute \$4,990 (or 7% of the total contract) toward the JM Consultant's contract which is available within Fund 373 (OWOW) and was approved by the Commission on March 19, 2019.

Attachments:

1. Commission Meeting Presentation
2. Request for Proposals (RFP) Response by the Sierra Water Workgroup (Including Information on JM Consultants)
3. General Services Agreement with JM Consultants
4. Task Order and Attachments with JM Consultants



Task Order Approval for the Roundtable of Regions Network Coordinator



SAWPA Commission
October 15, 2019



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Integrated Regional Water Management (IRWM)

- Formally began as a state-wide program in 2002 with passage of Senate Bill 1672.
- Since then, various bond measures such as Prop 1, have provided \$1.5 Billion in IRWM funding to projects that are selected through local IRWM planning in 48 regions.



The IRWM Plan in the Santa Ana River Watershed Region is the One Water One (OWOW) Watershed Plan Update 2018

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IRWM Roundtable of Regions

- Began in 2006.
- Informal partnership, led by engaged staff and two co-chairs.
- Network extends limited resources and amplifies results of all participants.
- SAWPA represents OWOW on the Roundtable.

Map of IRWM Regions



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Network Coordinator

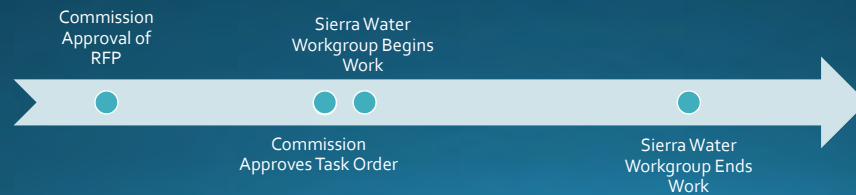
- Not a leadership position – a coordinating one
- Task Areas:
 - Maintenance of membership contact list.
 - Schedule, coordinate, and note-taking during regular participant calls.
 - Assist in development of summit for in-person Roundtable & Department of Water Resources (DWR) engagement.
 - Develop and administer annual survey of membership to support IRWM Program.



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Timeline for Network Coordinator

- **December 2018** - SAWPA Commission approved:
 - Issuance of an RFP for the RoR Network Coordinator
 - Contributing \$5,816 from SAWPA's OWOW budget to the cost share agreement
- **March 19, 2019** – SAWPA Commission approves Sierra Water Workgroup Task Order (**Sole Responder to RFP**)
- **April 1, 2019 to October 15, 2019** - Sierra Water Workgroup performs according to the contract, but the company's principle becomes incapable of continuing due to major illness



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Sierra Water Workgroup

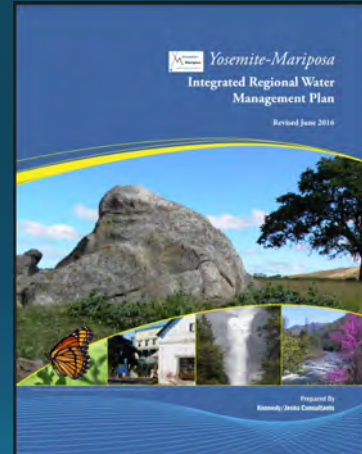
- The owner/principal of the prime consultant, Sierra Water Workgroup, is no longer able to complete the scope of work for the RFP's eventual task order due to a major illness.
- The SWW proposal included Jodie Monaghan as part of the consultant team. Ms. Monaghan also works as a consultant as JM Consultants, and is prepared to complete the remaining scope of work.



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JM Consultants – Firm Profile

- Original Sub-consultant to Sierra Water Workgroup.
- Experience in IRWM Planning and Regional Efforts.
 - Yosemite-Mariposa Integrated Regional Water Management Plan.
 - Proposition 1 Disadvantaged Communities and Tribal Involvement Project for the Mountain Counties IRWM Region.
 - Sacramento Water Conservation Advisory Group.



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Budget Considerations

- Task Order with JM Consultants to be funded by same 14 contributing partners who committed to the original Roundtable of Regions Network Coordinator RFP.
- The project budget is unchanged. JM Consultants will complete the original scope of work with the funds remaining from the original contract with SWW.
- Work period for JM Consultants will be October 15, 2019 to June 30, 2020.

Cost Category	Total Amount	SAWPA Share
Total Project Costs	\$84,454	\$5,816
Sierra Water Workgroup Costs	\$30,000	\$2,066
JM Consultant Costs	\$54,454	\$3,750

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How SAWPA benefits

- Roundtable is a trusted partner to DWR & Association of California Water Agencies (ACWA)
 - Instrumental in changes to the IRWM Program that benefit the watershed.
 - Roundtable engaged with DWR and the Water Resilience Portfolio.
- Supporting the Network Coordinator is a statewide role for SAWPA.
- Roundtable partners thankful for SAWPA stepping up as contract lead.



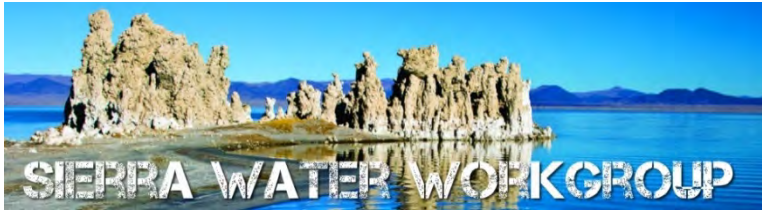
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Recommendation

SAWPA Commission authorize the General Manager to execute an Agreement for Services and Task Order No. JMC373-01 with JM Consultants in the amount of \$54,454 to serve as Network Coordinator consultant for the California IRWM Roundtable of Regions.



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www.SierraWaterWorkgroup.org

January 29, 2019

Mike Antos
Senior Watershed Manager
Santa Ana Watershed Project Authority
11615 Sterling Ave
Riverside, CA 92503

Dear Mr. Antos,

The Sierra Water WG, Inc. (SWWG) appreciates the opportunity to submit our proposal in response to the Santa Ana Watershed Project Authority's Request for Proposal for consulting services to serve as Network Coordinator for the California Integrated Regional Water Management (IRWM) Roundtable of Regions (ROR).

The SWWG is uniquely qualified to fulfill this role. To achieve the goals of this proposal, the SWWG offers a team of Liz Mansfield and Jodie Monaghan. Both have extensive experience in IRWMs. Liz Mansfield is the Executive Director of the SWWG and has been actively involved with IRWMs since 2005 and intermittently with ROR since 2006. Jodie Monaghan, an accomplished facilitator and project manager, has been working with IRWMs since 2012 and with SWWG since 2017.

The SWWG is currently subcontracting to Sierra Institute to complete the water and wastewater service providers' assessment for the Mountain Counties Funding Area as required by the Prop 1 Disadvantaged Community Involvement (DACI) Grant. SWWG was the lead in planning and managing the DACI Lessons Learned Summit held in November 2018. Additionally, SWWG is contracted with the Lahontan Basin IRWM and the Inyo-Mono IRWM to coordinate regional data and implement a GIS mapping tool.

The SWWG proposes to coordinate, facilitate and promote IRWMs and the ROR. The following pages detail the team's qualifications, project approach and schedule, and fee proposal. Please don't hesitate to contact me at (916) 273-0488 with any questions or for further information.

Thank you,

Liz Mansfield

Liz Mansfield
Executive Director

INTRODUCTION

In a state as populous and diverse as California, a regional approach to managing natural resources is critical. Regional management is at the heart of the Integrated Regional Water Management (IRWM) program. The program is a collaborative effort to identify and implement water management solutions on a regional scale that increase regional self-reliance, reduce conflict, and manage water to concurrently achieve social, environmental, and economic objectives.

The IRWM program began in 2002 when the Regional Water Management Planning Act (SB 1672) was passed by the California Legislature. Since then, various bonds have been approved by voters and have provided over \$1.5 billion in State funding to support and advance integrated, multi-benefit regional projects. Cities, counties, water districts, community/environmental groups, Tribes and others across the State have worked collaboratively to organize and establish 48 Regional Water Management Groups (RWMG), covering over 87 percent of the State's area and 99 percent of its population.

Unfortunately the success of IRWMs has not been fully embraced by state or local government. While the CA Department of Water Resources (DWR) supports IRWMs, politics and funding have shifted to the Sustainable Groundwater Management Act (SGMA). DWR has posted on their website:

The practice of IRWM has not fully matured in California. While some IRWM regions are successfully implementing their IRWM plans, others have fallen behind. Based on extensive stakeholder input we compiled in recent years, the key needs of IRWM regions include greater recognition and support by federal, state and local agencies and Tribes, and better alignment of government policies, regulations and programs. IRWM practitioners hold that a comprehensive suite of actions must be taken now to ensure the future of IRWM; those recommended actions are documented in the 2017 report "Stakeholder Perspectives – Recommendations for Sustaining and Strengthening IRWM".

IRWMs are an integral part of water policy in California. As funding dissipates, it is imperative that the work and benefits of IRWMs be continued. The Roundtable of Regions (ROR) provides that forum and the voice to help shape legislation, provide input on the Water Plan and other water-related programs, promote the viability and benefits of IRWMs statewide, and advocate for funding for IRWMs. Sierra Water Workgroup recognizes the benefits that IRWMs provide and the significant role the ROR plays in ensuring a future for IRWMs.

SIERRA WATER WORKGROUP

Background

Elizabeth Mansfield formed the Sierra Water Workgroup (SWWG) in 2009 to assist and support the IRWM's in the Sierra Nevada. The Sierra Nevada region of California is famed for its extraordinary natural features, but less so for its central role in the states water system. The region is the source of 60% of the state's developed water supply, providing all or part of the drinking water for 23 million people.

The SWWG is a collaborative and voluntary workgroup of members functioning under a Memo of Understanding. Thirteen IRWM groups from across the Sierras came together under Ms. Mansfield's leadership to develop collaborative approaches to protecting and enhancing California's primary watershed. Formalized with the adoption of a charter in 2011, this multi-stakeholder forum became the first organization to represent and advocate for water interests in the 22 counties making up the Sierra Nevada region as defined by the State Legislature in its formation of the Sierra Nevada Conservancy.

The mission of the SWWG is to increase inter-regional cooperation and assist regional efforts in protecting and enhancing water quality, water supply, and watershed health; to develop cooperative regional responses; and to facilitate reinvestment in our watersheds and water resources for all beneficiaries. Currently there are 13 IRWM members, in addition to numerous public agencies and regional organizations.

The objectives of the SWWG include:

- Coordinating amongst IRWM groups in the region;
- Coordinating and collaborating with local and regional agencies, organizations and other stakeholders interested in Sierra water;
- Exchanging information and tools for water and watershed management amongst stakeholders in the region;
- Serving as an information source regarding state and federal water policy issues for local governments, non-profits, and other stakeholders;
- Raising the profile of the Sierra to increase private, state and federal funding opportunities; and
- Advocating for Sierra water issues in state and federal legislative and administrative forums.

The SWWG is an S-Corporation registered to do business in California. The SWWG is also a California certified small business.

EXPERIENCE AND QUALIFICATIONS

Project Staff

This project will be staffed by Liz Mansfield and Jodie Monaghan.

Jodie Monaghan will:

- Be the primary point of contact,
- Co-manage the project,
- Maintain the membership and contact list including creating and maintaining an online communication portal,
- Coordinate and facilitate all meetings including preparation of meeting notes,
- Coordinate shared engagement with the Roundtable and the CA Department of Water Resources (DWR) and other agencies and organizations including drafting of comment letters and white papers,
- Promote the success of IRWMs including development of content for the web,
- Coordinate the planning and implementation of an annual Summit, and
- Develop an annual survey to document the network's accomplishments and inform strategic planning.

Liz Mansfield will:

- Co-manage the project,
- Collaborate on comment letter, white papers, and other policy issues,
- Maintain contact with DWR, ROR representative, the State Legislature, and other relevant organizations,
- Assist with development of web content, and
- Assist with the planning of an annual Summit.

Experience

Liz Mansfield has 30 years of extensive experience in water management. Elizabeth Mansfield has extensive history in the formation and implementation of the IRWM program. As the Water Consultant to the Assembly's Water, Parks, and Wildlife Committee in 2000, she was involved in early legislation that defined IRWMs.

Currently she is the Executive Director of the Sierra Water Workgroup. Duties include:

- Serving as the primary coordinator amongst the thirteen Sierra Nevada IRWM Plan groups in the region;
- Collaborating with public agencies, non-governmental organizations, Tribes, regional agencies and interested stakeholders to engage and integrate them within IRWMs;

- Providing information and mapping tools for water and watershed management amongst stakeholders in the region; and serving as an information source regarding state and federal water policy issues for local governments, non-profits, and other stakeholders;
- Raising the profile of the Sierra IRWMs to increase private, state and federal funding opportunities; and
- Advocating for Sierra water issues in state and federal legislative and administrative forums.

Since its inception, the SWWG has held six Summits to coordinate, discuss, and educate multiple IRWM stakeholders on water issues specific to the Sierras, with the most recent SWWG Conference occurring in July 2017. Please see www.sierrawaterworkgroup.org for past agendas, conference summaries, IRWM white papers, and other workshop summaries.

In addition to directing the SWWG, Liz has been working with the Sierra Institute to implement the Prop1 Disadvantaged Communities and Tribal Involvement (DACTI) grant in the Mountain Counties Funding Area. Please see a following section for more details.

Prior to SWWG, Liz worked for El Dorado Irrigation District as the Water Resources Manager responsible for water conservation, water policy, watershed management and recreation. She served as the Executive Director of the Integrated Regional Water Management Planning group for the Cosumnes, American, Bear and Yuba River Region (CABY). Previously, Mrs. Mansfield held the position as Deputy Assistant for the California Department of Water Resources in addition to managing projects in the Flood Management Department. She is also familiar with water policy and legislation, serving as Water Consultant to the California Legislature Assembly Committee on Water, Parks and Wildlife. Mrs. Mansfield holds a B.S in Biology and Environmental Science, University of California Berkley.

Jodie Monaghan has over 25 years' experience as a Facilitator and Mediator - specializing in stakeholder engagement, public participation and conflict resolution. Ms. Monaghan has a comprehensive background facilitating consensus-based, multi-stakeholder public policy processes involving water management, natural resource management, land use planning, emergency preparedness and organizational development. She also has extensive project management experience, overseeing budgets, staffing, and client communications.

Prior to joining Sierra Water Workgroup, Ms. Monaghan was a Lead Mediator for 14 years with the Center for Collaborative Policy, a unit of California State University, Sacramento. Jodie worked with the Yosemite-Mariposa (Y-M) IRWM, the Madera IRWM and briefly with the Inyo-Mono IRWM. As the facilitator for the Y-M IRWM, she engaged interested parties in collaboratively developing their IRWM Plan to manage the water resources in Mariposa County. She assisted with meeting planning and project management, negotiated the governance

structure and decision making process, and provided facilitation to the Advisory Council and several of its committees. Ms. Monaghan was responsible for creating a public participation plan to engage interested parties and disadvantaged communities and assisted the Public Outreach Committee in developing a mailer sent to every County resident informing them of the benefits of the IRWM program. The IRWM Plan was completed in July, 2014, revised in June, 2016, and updated in 2018 to meet Prop 1 requirements.

Ms. Monaghan has facilitated numerous groups to achieve their objectives. They include, to name a few, the Climate Change Consortium sponsored by the CA Department of Food and Agriculture, The San Joaquin County Flood Control Technical Advisory Group, the California Commission on Disability Access, and the Suisun Marsh Charter Group – a multi-agency group tasked with addressing land and water management and regulatory issues in the Suisun Marsh - the largest brackish water marsh on west coast of the United States. Duties included:

- Public outreach and engagement of interested parties,
- Development of formal stakeholder groups,
- Data management including membership information, document sharing, and website maintenance,
- Managing the group to ensure continued full participation over time,
- Developing and maintaining communication protocols,
- Coordinating document development including creation of a wide variety of Plans, White Papers, reports, and outreach materials,
- Planning conferences and annual meetings, and
- Creating and conducting surveys and assessments.

Ms. Monaghan has planned and presented numerous conferences, recently for the Emergency Medical Services Authority's Medical Reserve Corps and the national Hospital Incident Command program. She has conducted many organizational assessments and has created and administered several surveys including a statewide survey of 1,500 people regarding Prop 65 signage. She also has helped several agencies and organization complete strategic plans to effectively guide their future. Some of those entities include the Solano County Water Agency, the State Wildlife Action Plan, several Forest Travel Management Plans, Cal/EPA's Unified Program, UC Davis Office of Research, and the American River Parkway Plan.

Ms. Monaghan holds a B.A. in Communications Studies from California State University, Sacramento. She has completed graduate classes in the Public Policy and Administration Program at California State University, Sacramento. Ms. Monaghan has additionally completed numerous courses in facilitation, mediation and conflict resolution. Please see her resume for further details.

Prop 1 Disadvantaged Community and Tribal Involvement Grant

In response to the Prop 1 IRWM Disadvantaged Community Involvement (DACI) grant opportunity, Jodie Monaghan joined Sierra Water Workgroup. Ms. Mansfield and Ms. Monaghan brought together 10 disparate IRWMs in the Mountain Counties Funding Area (MCFA) to create one cohesive group working together to leverage the limited funding to benefit the greatest number of communities. The group established the Disadvantaged Community (DAC) Coordinating Committee, collaboratively drafted a Request for Proposal (RFP), and selected the Sierra Institute for Community and Environment (Sierra Institute) as the grant applicant. DWR awarded the grant in September 2017. To recognize the inclusion of Tribes, the DAC Coordinating Committee renamed the grant to the Disadvantaged Community and Tribal Involvement (DACTI) grant.

SWWG partnered with the Sierra Institute to identify and engage disadvantaged communities in the MCFA. The scope of work for Ms. Mansfield and Ms. Monaghan include:

- Identification and outreach to water/wastewater service providers in each of the IRWMs, encouraging involvement in their IRWMs and helping build capacity to participate,
- Assessing the challenges and technical assistance needs of water and wastewater service providers,
- Leading workshops in each IRWM to further engage water and wastewater service providers,
- Working with the Technical Assistance subcommittee to create recommendations for using the technical assistance dollars,
- Assist the DAC Coordinating Committee engage DWR to address the needs of the largest Funding Area, and
- Support the DAC Coordinating Committee to apply for implementation funding.

In addition, Liz and Jodie planned, coordinated and effected a statewide DACTI Lessons Learned Summit in November 2018. The day-and-a-half Summit brought together more than 75 attendees representing all 12 Funding Areas in the state. The goals of the Summit were to:

- Share DACI program strategies, approaches and experiences,
- Showcase IRWM success stories, and
- Demonstrate the importance of comprehensive and collaborative approaches to sustain and strengthen IRWMs.

Panel and presentation topics ranged from approaches to tribal engagement, water/wastewater needs assessment, and determining community capacity to addressing IRWM hurdles and developing long-term strategies to build partnerships and leverage resources. A follow-up survey documented the success of the Summit. Attendees appreciated the open and honest conversations – and the opportunity to build and strengthen relationships.

RELEVANT PROJECTS AND REFERENCES

**PROJECT: Prop 1 Disadvantaged
Communities and Tribal
Involvement for Mountain
Counties Funding Area**

Client: Sierra Institute for
Community and
Environment
Consultant: Liz Mansfield and Jodie
Monaghan
Dates: May 2017 to present
Contact: Jonathan Kusel
Project Manager
P.O. Box 11
Taylorsville, CA 95983
(530) 284-1022
jkusel@sierrainstitute.us

PROJECT: SIERRA WATER WORKGROUP

Client: Sierra IRWMs
Consultant: Liz Mansfield
Dates: 2010 - present
Contact: John Shelton
Executive Director
San Joaquin River
Conservancy
5469 E. Olive Avenue
Fresno, CA 93727
(559) 253-7324
info@sjrc.ca.gov

PROJECT: CABY IRWM

Client: CABY RWMG
Consultant: Liz Mansfield
Dates: 2007 - 2010
Contact: Elizabeth Betancourt
Project Manager
State Water Resources
Control Board
1001 - I Street
Sacramento, CA 95814
(415) 378-6709
EBetancourt.resources@gmail.com

PROJECT: Yosemite-Mariposa IRWM

Client: Mariposa County Resource
Conservation District
Consultant: Jodie Monaghan
Dates: 2012 - 2017
Contact: Pat Garcia
Project Manager
5009 Fairgrounds Rd
Mariposa, CA 95338
(209) 742-7728
patgarcia444@gmail.com

PROJECT APPROACH

The SWWG has created the team of Ms. Mansfield and Monaghan. Both are well-versed in IRWMs. We are strategically located in the Sacramento region where we are able to interact with DWR and other agencies with water-related missions such as the State Water Resources Control Board (SWRCB). We are committed to assisting the Roundtable of Regions (ROR) engage collaboratively using sustainable strategies to address complex governmental issues.

The overall approach to this project is to:

- Capitalize on our knowledge of ROR members, IRWM operations, and state agencies,
- Work with the ROR Planning Team,
- Engage ROR members to support the ROR,
- Facilitate the ongoing work of the Roundtable,
- Execute the major tasks of:
 - Engagement,
 - Organizational management,
 - Coordination,
 - Facilitation,
 - Documentation, and
 - Communication.

Under the auspices of the ROR Planning Team, our team will address the following six areas:

Area 1: Membership and Communications

An up-to-date ROR membership list will be created and maintained by Jodie Monaghan. The list will be used to create an email distribution list to ensure all communications are sent to all members. A contact list of relevant agencies and organization will also be created and maintained. This list may include DWR, SWRCB and other state agency contacts, key water agencies, nonprofit organizations, academics, and other relevant contacts.

Accessible data is important. While Google Docs is an option, SharePoint offers a better information sharing platform. Files can be managed and the history tracked to keep everyone on the same page. The \$20 monthly charge for a SharePoint site is fairly minimal and offers file, data, news and resource sharing. SharePoint allows secure communication and collaboration with the ROR across multiple platforms including Windows, Macs and mobile devices.

Area 2: Support Regular Conference Calls

Productive conference calls ensure active participation and effective use of member's time. Nobody enjoys attending a meeting convened for the sake of meeting. There are numerous video and audio conferencing sites. Zoom is an easy-to-use video conferencing vendor that costs about \$20 per month.

Ms. Monaghan has facilitated hundreds of meetings, both in-person and via conference and/or video conference calls. To create effective meetings, it is imperative to:

- Track potential agenda items so nothing drops through the cracks.
- Meet with the Planning Team to develop an agenda well in advance of the proposed meeting. Each agenda item should have a purpose and a desired outcome.
- Poll ROR members if necessary to find a mutually acceptable meeting date and time.
- Contact presenters to ensure their participation, walk them through the purpose of their presentation, and emphasize time limitations for their agenda item. Request any PowerPoint presentations in advance of the meeting.
- Schedule any resources such as Zoom meetings or other conference calling services.
- Finalize the agenda.
- Invite ROR members and any other requested guests to the meeting. The invitation should be extended at least one week in advance and sent with the agenda. If possible, consider standing monthly, bi-monthly or quarterly meetings. Request and track RSVPs.
- Brief any new members to ensure their ability to fully participate.
- Follow-up with ROR members to encourage participation.
- Convene and facilitate the meeting, taking notes to capture action items, document discussions and decisions, and record next steps.
- Distribute notes within one week of the meeting.
- Track action items and follow up with the responsible parties.

Area 3: Network Engagement

Keeping up-to-date with DWR and other state agencies is a critical role for the ROR Coordinator. Ms. Mansfield has demonstrated expertise in utilizing relationships with DWR and other associated organizations to understand ever-changing water issues and policy. As former staff of DWR, she understands the functions (and dysfunctions) of the agency. Liz Mansfield and Jodie Monaghan will schedule regular meetings with DWR and available ROR representatives to keep up-to-date on IRWM issues and other related policy areas.

ROR is a recognized force helping to shape water policy in the state. When input is solicited on draft documents, guidelines and programs, Ms. Monaghan will inform the ROR and IRWMs and schedule meetings to discuss comments. She will provide links to documents and emphasize both internal due dates and agency deadlines. Additionally, she will coordinate the collection

and compilation of comments and prepare response letters and/or input documents. SharePoint will be used for collaboratively developing and editing documents. Ms. Monaghan will coordinate any communication between DWR and the ROR.

Being aware of the pending release of documents soliciting comments is a challenge. Subscribing to the Water Plan eNews and other program newsletters is a start. However, DWR, like many state agencies, sometimes has a fluid and ever-changing schedule. Ms. Monaghan will be responsible for periodically checking with agencies and communicating with agency staff to ensure that changing release and due dates are captured and communicated with the ROR.

Mses. Mansfield and Monaghan will share liaison responsibilities with organizations such as the Water Bond Coalition, ACWA, EJCW, CASQA, GRA, Floodplain Management Association and other relevant organizations. Each will coordinate information sharing with their assigned organizations and participate in their meetings as requested or useful.

Both Ms. Mansfield and Ms. Monaghan will promote IRWM principles and advocate for IRWM funding. Liz is experienced in drafting legislation and working with legislators; Jodie is skilled at public relations and communication. Both are proficient at developing principles for and providing input on bond measures. Both are also passionate about IRWMs and welcome opportunities as they arise to promote, extend and strengthen the IRWM program. Exploring the connectivity with Groundwater Sustainability Plan development is an obvious next step to support conjunctive water use at the regional level.

Area 4: IRWM Promotion

After investing in IRWMs for more than 15 years, it is regrettable that the State Legislature is deemphasizing the program. The DWR website no longer lists IRWMs as a program and instead lists only Proposition 1. IRWM information can only be accessed by searching for "IRWM." Yet the program has provided over \$1.5 billion in State funding to support and advance integrated, multi-benefit regional projects. IRWM implementation grants awarded to date have resulted in implementation of 800+ IRWM projects providing a wide range of benefits. Ms. Monaghan will prepare talking points and other promotional material to assist ROR members promote IRWMs.

Ms. Monaghan will work with a subcommittee to create a website dedicated to decimating information and promoting the success of IRWM programs. The website can also serve as a repository of successful grant applications that can be used as templates for future grant applications. The web domain name "RoundtableofRegions.com" is currently available for \$10 and an annual renewal fee of \$14.99. There are several web building companies. GoDaddy is an easy-to-use vendor that hosts and supports unlimited sized websites, faster memory loading and a SSL certificate to avoid being labeled as a "Not Secure" site. With daily malware scanning and continuous security monitoring for other threats, the website can be hosted for less than \$25 per month.

Area 5: Summits

Similar to the recent DACTI Lessons Learned Summit held in November 2018, Mses. Mansfield and Monaghan will work with a subcommittee to plan at least one “Summit” for the Roundtable. They will work with a planning team to:

- Determine the Summit theme
- Develop a list of invitees, sponsors and speakers
- Develop a budget
- Contact potential speakers and sponsors
- Research and secure a venue and catering
- Finalize a date
- Draft both a public agenda and a facilitation plan
- Invite participants
- Coordinate speakers and presentations
- Coordinate the participation of other industry associations
- Outreach to encourage participation
- Prepare all collateral material and arrange to have the material printed
- Manage all logistics including AV
- Handle all registration fees (if any) and seek sponsors for attendance scholarships
- Note taking during Summit
- Produce a convening report following a successful conference.
- Any other duties as required

To enable them to fully participate in the Summit as well as regularly scheduled meetings, new ROR representatives will be fully briefed on the work of the ROR. In addition, Liz and Jodie are available to participate in other industry association events and conferences as directed by the ROR Planning Team.

Area 6: Strategic Planning

Strategic planning is an important aspect of organizational development. It is the process of determining an organization’s direction, and then making decisions on resource allocation (time and money) to guide its forward trajectory. It is equally important to periodically review the strategy and make adjustments in response to changing conditions and priorities.

SWWG will develop a survey based on past Roundtable surveys. ROR members will evaluate the group’s accomplishments and the efficacy of communicating the successes of the IRWMs. The survey will also seek to identify trends and other factors that have the potential to impact IRWMs. SWWG will compile the results and work with the Planning Team to create recommendations to address any new and changing conditions. The final report will be distributed to all ROR representatives.

PROJECT SCHEDULE

Proposed Timeline (Assumes start date of February 25, 2019)

Area	Task	2019												2020			
		Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb			
	Work with ROR Planning Team	◆															
1	Create current membership list	◆	→														
1	Set up online portal for file sharing		◆														
2	Request topics and prepare agendas		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆		
2	Schedule meetings		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆		
3	Schedule meetings with DWR		◆		◆		◆		◆		◆		◆				
3	Compile comments and prepare letters and other input documents	(as needed)															
3	Liaison with other organizations		◆ ongoing	→													
3	Promote IRWM principles and funding		◆ ongoing	→													
3	Liaison with ROR ad hoc subgroups	(as needed)															
3	Coordinate White Paper preparation	(as needed)															
4	Promote , extend and strengthen the IRWM program		◆ ongoing	→													
4	Create communication materials to tell the “Story of IRWM”			◆	→	◆											
	Create and maintain a website			◆ ongoing	→												
5	Plan and coordinate a Summit					◆	→	◆									
6	Develop and conduct a survey													◆			
6	Analyze data													◆			
6	Prepare and distribute survey results													◆			

Work will be completed on a time and materials basis. All work will be performed by Liz Mansfield and Jodie Monaghan. The rate for both Ms. Mansfield and Ms. Monaghan is \$125 per hour. Travel time outside the Sacramento area will be billed at 50% of the labor rate and mileage will be charged at the 2019 federal rate of \$0.58 per mile.

The proposed budget, including direct expenses, is presented as a not-to-exceed amount of \$125,870.00. If the actual work does not use all the hours estimated, the hours will not be billed. A detailed budget follows on the next page.

Increase for Follow-on Budgets

Should the SWWG be fortunate enough to be awarded this contact and then have this contact renewed, the labor rate would be increased as follows:

2020	\$ 130/hour
2021	\$ 135/hour
2022	\$ 145/hour
2023	\$ 150/hour

Direct expenses are more difficult to predict. Direct expenses such as printing, website hosting, file sharing software and video conferencing services will be billed at actual cost. Mileage reimbursement will be at the prevailing federal rate.

General Assumptions

- Hours identified may be shifted between team members and tasks with the approval of the ROR.
- Communication of meeting materials will be provided electronically.
- Hours and expenses will be invoiced monthly.
- Photocopying and printing will be coordinated by SWWG unless otherwise arranged in advance. The actual cost of any such services will be included in the monthly invoice to SAWPA.
- The SWWG will contract with technology vendors for file sharing, website and video conferencing. The actual costs will be included in the monthly invoice to SAWPA.
- Major Summit vendors such as venue rental and catering will be engaged by SWWG. However, it is expected that SAWPA will pay vendors directly for these expenses.
- Conditions causing assumptions described in this scope of work to be exceeded will be communicated to the client for their approval in advance if any work.

Proposed Budget

Area	Task	Monaghan	Mansfield
	LABOR Rate	\$125/hr	\$125/hr
1	Membership Maintenance and Data Sharing	48 hrs	-
2	Conference Calls	144 hrs	36 hrs
3	Network Engagement including: <ul style="list-style-type: none"> • Meetings with DWR and ROR representative • Coordination of comments • Liaison with other organizations • Promotion of IRWMS • Working with ROR Subgroups • Drafting White Papers 	288 hrs	144 hrs
4	IRWM Promotion including collateral materials and website	84 hrs	24 hrs
5	Summit	72 hrs	72 hrs
6	Survey	42 hrs	12 hrs
	Project Management	30 hrs	-
		708 hrs	288 hrs
		\$88,500.00	\$36,000.00
	LABOR SUBTOTAL		\$124,500.00
	DIRECT EXPENSES		
	File Sharing software		240.00
	Web hosting		300.00
	Video conference calling service		250.00
	Mileage @ .58/mile (estimate 1,000 miles)		580.00
	DIRECT EXPENSE SUBTOTAL		\$ 1370.00
	TOTAL DO NOT EXCEED AMOUNT		\$125,870.00



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RESUME

Liz Mansfield

Executive Director

Sierra Water Workgroup

www.sierrawaterworkgroup.org

Summary

Liz Mansfield is currently the Director of the Sierra Water Workgroup. The Sierra Water Workgroup mission is to increase inter-regional cooperation and assist regional efforts in protecting and enhancing water quality, water supply, and watershed health. Liz Mansfield has extensive experience in water management. She worked for El Dorado Irrigation District as the Water Resources Manager responsible for water conservation, water policy, watershed management and recreation. She served as the Executive Director of the Integrated Regional Water Management Planning group for the Cosumnes, American, Bear and Yuba River Region (CABY). Previously, Mrs. Mansfield held the position as Deputy Assistant for the California Department of Water Resources in addition to managing projects in the Flood Management Department. She is also familiar with water policy and legislation, serving as Water Consultant to the California Legislature, Assembly Committee on Water, Parks and Wildlife. Liz Mansfield also has experience in the field of biological sciences working as an aquatic biologist for the U.S. Bureau of Reclamation in the beginning of her career.

Mrs. Mansfield holds a B.S in Biology and Environmental Science, University of California Berkley.

Selected Experience

Sierra Water Workgroup

Year: 2010 - Present

Mrs. Mansfield formed the Sierra Water Workgroup to assist and support the Integrated Regional Water Management (IRWM's) in the Sierra Nevada. Currently there are 13 IRWM members, in addition to numerous public agencies and regional organizations. In addition to the following duties, Mrs. Mansfield has led and implemented SWWG Summits or workshops for the past six year, please see www.sierrawaterworkgroup.org.

Executive Director

- Serving as the primary coordinator amongst the thirteen Sierra Nevada Integrated Regional Water Management Plan groups in the region;
- Collaborating with public agencies, non-governmental organizations, Tribes, regional agencies and interested stakeholders to engage and integrate them within IRWMs;
- Providing information and mapping tools for water and watershed management amongst stakeholders in the region; and serving as an information source regarding state and federal water policy issues for local governments, non-profits, and other stakeholders;
- Raising the profile of the Sierra IRWMs to increase private, state and federal funding opportunities; and
- Advocating for Sierra water issues in state and federal legislative and administrative forums.

Sierra Water Workgroup - Prop 1 Disadvantaged Communities and Tribal Involvement Project

Year: 2017 - Present

Water and Wastewater Needs Assessment

Mrs. Mansfield is responsible for conducting the water and wastewater assessment for the nine IRWMs in the Mountain Counties Funding Area. This includes, coordination with the IRWMs, outreach, data collection, presentation and analysis.

Lessons Learned

Mrs. Mansfield assisted in organized and implemented the “Lessons Learned Summit” for all the Funding Areas state-wide to share experiences regarding disadvantaged community and Tribal involvement in IRWMs. This included a wide-range of key speakers, specific information to present, and coordinate efforts across IRWMs and Funding Areas.

El Dorado Irrigation District

Year: 2004 - 2010

Water Resources Division Manager (2007-4/22/2010) El Dorado Irrigation District

- Board member of the Cosumnes, American, Bear and Yuba (CABY) Integrated Regional Water Management Region non-governmental organization also serves as the Districts representative on the American River Basin Integrated Regional Water Management Region (IRWM).
- Representing the District and coordinating efforts among multiple regional organizations and IRWM (CABY, Regional Water Authority, Association of California Water Association, Northern California Water Authority, Sierra Nevada Alliance)
- Managed a large Division of staff responsible for recreation, climate change, urban and agricultural water conservation, drought, and watershed restoration and protection.
- Providing regional advocacy and for the District in the areas of IRWMP, conservation, recycled water, environmental protection, and water quality.
-

Watershed Manager (04/20/04 – 2007) El Dorado Irrigation District

- Managing the water use efficiency and watershed programs at El Dorado Irrigation District.
- Representing the District at local and state-wide watershed forums.
- Serving as the Executive Director of the Cosumnes, American, Bear and Yuba (CABY), Integrated Regional Water Management Planning effort.
- Providing regional advocacy for the District and the CABY region.

Department of Water Resources

Year: 2001 – 2004

Role: Process designer, facilitator and project management

Deputy Assistant (04/01/03– 04/15/04) California Department of Water Resources, Executive Division, Legislative Office, Sacramento California.

- Represents Department of Water Resources (DWR) before legislative committees and hearings; serves as a spokesperson on water legislation; provides written and verbal testimony on bills before legislative committees; presents DWR positions to individual legislators and their staff.
- Advises the Deputy Director for Legislation on water legislation impacting the programs and policies of DWR; makes day-to-day policy decisions on legislative issues; provides policy reviews and approval authority on behalf of the department on legislative issues, including bill analyses; provides training and guidance to departmental managers and staff.
- Prepares DWR legislative proposals; analyzes legislative proposals by other agencies; prepares analyses of bills, including Enrolled Bill Reports; and amendments relevant to State and federal legislation; works closely with sponsors and constituents to resolve issues and provide alternatives.
- Responds to inquires from the Administration and legislative staff on bills affecting DWR and its programs and policies; provides technical assistance to legislative staff in drafting legislation or amendments; prepares correspondence; prepares technical assistance to legislative staff in drafting legislation or amendments; prepare correspondence; prepares Governor's Action Requests; prepares weekly legislative report to Resources Agency; prepares DWR's annual legislative summary.
- Serves in the absence of the Deputy Director for Legislation regarding policy decisions; performs special projects related to legislative matters as assigned by the Deputy Director for Legislation.

Environmental Scientist (12/01/01– 04/01/03) California Department of Water Resources, Division of Flood Management, Sacramento California.

- Served as a water expert and advisor to the Governor's Floodplain Task Force, provided policy advice and technical expertise regarding legislation
- Researched issues and provided strategic planning, environmental integration, public outreach and impacts of related water issues in California.
- Represented DWR on the Sacramento and San Joaquin Rivers Basins Comprehensive Study, Federal and State agencies working together with local government and stakeholders to develop a comprehensive plan to reduce flood damage and integrate ecosystem restoration.
- Provided policy related documents for the Comprehensive Study to management.

- Working as the project manager on Proposition 13, Flood Protection Corridor Program.
- Managing and overseeing environmental compliance of locally based projects that provide multiple benefits such as flood protection, agricultural preservation, environmental restoration, and water quality.
- Assisted in the preparation and development of the next FPCP State solicitation process for \$32 Million.

Non-Governmental Organizations

Year: 2001

Water Consultant - Natural Resources Defense Council & Natural Heritage Institute, 2/01/01- 11/29/01

- Provided policy advice and technical expertise to the Natural Resources Defense Council (NRDC). Represented NRDC at meetings regarding the San Joaquin River Restoration Project and coordination activities.
- Provided project management services and technical expertise to the Natural Heritage Institute (NHI). Served as project manager for the Delta Subsidence Program, responsible for managing contracts and providing DWR with quarterly reports.
- Assisted in the data collection and evaluation of NHI's groundwater conjunctive use project.

California Legislature, Assembly Committee on Water Parks and Wildlife

Year: 2000-2001

Water Consultant 02/10/00 – 01/31/01 California Legislature, Assembly Committee on Water, Parks and Wildlife, Sacramento, California.

- Acquired extensive knowledge in California water law and water policy. Analyzed water bills for the Assembly Committee on Water, Parks and Wildlife.
- Organized and managed stakeholder meetings to review and provide input to legislation.
- Assisted in developing and organizing an informational water transfer hearing in Yuba City.
- Represented Assemblyman Mike Machado (Assemblyman) in water policy related meetings.
- Advised the Assemblyman on current water policy, upcoming legislation, and State agency activities involving water issues.
- Provided the Assemblyman guidance and advice regarding the CALFED Bay-Delta Program, a consortium of Federal and State agencies working with stakeholders to develop a comprehensive long-term solution to the problems of the Sacramento-San Joaquin Bay-Delta.
- Assisted in developing legislation on water transfers, flood control, and CALFED Governance.
- Researched and composed a speech for the Assemblyman titled "Can or should water be a commodity?"

United States Bureau of Reclamation

Year: 1991 – 2000

Natural Resource Specialist (Project Manager) 02/28/99-02/10/00. U.S. Bureau of Reclamation, Mid-Pacific Region, Division of Planning, California.

- Worked on the CVP Yield Feasibility Investigations and the CALFED Regional Strategy paper to identify linkages between surface storage, groundwater storage, conveyance, water transfers, reservoir operations, water use efficiency measures, ecosystem restoration, water quality and levee improvements.
- Managed a variety of projects to increase water supply for environmental purposes, agricultural and urban uses and to meet water quality objectives.
- Organized, directed, and technically supervised inter-disciplinary technical teams consisting of stakeholders and agency experts in hydrologic modeling, reservoir operations, hydroelectric power generation, riparian restoration, and water quality.
- Developed and implemented public involvement programs and workshops for various projects.
- Prepared statements of work, estimated costs, and evaluated contracts proposals for all assigned investigations.

Environmental Specialist (Environ Technical Coordinator) 09/13/98-02/28/99. U.S. Bureau of Reclamation, Division of Environmental Affairs, Sacramento, California.

- Worked with Federal agencies to identify, evaluate, and resolve conflicts and help ensure a unified position on water and environmental matters pertaining to the Bay-Delta.
- Assisted in the preparation, processing and reviewing of related environmental impact statements, environmental assessments, environmental planning reports, and other environmental documents.
- Presented a formal speech and one day roundtable session on CALFED at the University of Menedez Pelayo, Santander Spain (08/31/98).

Environmental Specialist (CALFED Coordinator) 11/10/96-09/13/98 U.S. Bureau of Reclamation, Mid-Pacific Region, Regional Office, Division of Environmental Affairs, Sacramento, California.

- Served as Reclamations coordinator and liaison for CALFED to develop, analyze, and refine alternatives being evaluated for the Program's Programmatic EIS/EIR.
- Served as an expert in the area of environmental issues and provided guidance and recommendations in addressing environmental matters pertaining to water policies, operations of the Central Valley Project and environmental impacts.
- Assisted in allocating State Proposition 204 and \$85 Million of Federal matching funds to Federal agencies, State agencies, water districts and private entities.
- Assisted in the development of criteria and project selection and negotiation of CALFED language for Interagency Agreements and Cooperative Agreements.
- Tracked Federal contracting progress for internal Reclamation staff, Department of Interior staff, and stakeholders participating on the CALFED Ecosystem Roundtable.

- Oversaw implementation of specific activities and determined appropriate information to include in the Bay-Delta Enhancement Act quarterly reports to Congress.

Aquatic Biologist 09/04/91-11/10/96. U.S. Bureau of Reclamation, Mid-Pacific Region, Regional Office, Division of Environmental Affairs, Sacramento, California.

- Served as Reclamations representative in the San Francisco Bay Sacramento/San Joaquin (Bay-Delta) System Interagency Ecological Program (IEP), a consortium of Federal and State agencies responsible for collecting data and assessing environmental needs for fish and wildlife.
- Acquired extensive knowledge of the biological, physical, and chemical properties of the Sacramento San Joaquin Bay-Delta (Delta).
- Attained skills in computer programming for use in statistical analysis.
- Prepared biological and water quality portions of technical reports.
- Participated in hydrodynamic studies with USGS and DWR to assess Delta water quality standards.
- Conducted research and co-authored a report paper with a U.C. Davis researcher on the effects of climate change on the adult population of Striped Bass.



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Jodie Monaghan

Mediation • Facilitation • Training

Summary

Jodie Monaghan has over 25 years' experience as a Mediator and Facilitator - specializing in stakeholder engagement, public participation and conflict resolution. Ms. Monaghan has a comprehensive background facilitating consensus-based, multi-stakeholder public policy processes involving natural resource management, water management, land use planning, emergency preparedness and organizational development. She also has extensive project management experience, overseeing budgets, staffing, and client communications.

In 2017, Ms. Monaghan teamed with the Sierra Water Workgroup support the work of the IRWMs in the Sierra Nevadas. Concurrently, she is the founding Principal of JM Consultants. Prior to founding JM Consultants, Ms. Monaghan was a Lead Mediator with the Center for Collaborative Policy, a unit of California State University, Sacramento. Previously, she was employed by Zellerbach Paper Company, providing management consulting and, among other projects, implemented the Total Quality Management program in the Hawaii Branch.

Ms. Monaghan holds a B.A. in Communications Studies from California State University, Sacramento. She has completed graduate classes in the Public Policy and Administration Program at California State University, Sacramento. Ms. Monaghan has additionally completed numerous courses in facilitation, mediation and conflict resolution.

Selected Experience

Prop 1 Disadvantaged Communities and Tribal Involvement Project

Client: Sierra Water Workgroup / Sierra Institute for Community and Environment

Year: 2017 - Present

Role: Process designer, Facilitator and Outreach

Ms. Monaghan was instrumental in bringing the 10 Intergrated Regional Water Management (IRWM) programs in the Mountain Counties Funding Area (MCFA) together to submit a grant application for Prop 1 funding for Disadvantaged Communities and Tribal Outreach. The challenge was bringing together 10 IRWMs who had previously been competing for funding, and helping them to cooperatively write a Request for Qualifications to solicit and select a grant applicant, and develop

a Scope of Work for the grant application. The MCFA was allocated \$1.7M for this effort. Ultimately, Sierra Institute for Community and Environment was selected. Ms. Monaghan continues to work with SWWG and Sierra Institute providing planning and facilitation for water and waterwater needs assessment surveys and workshops.

Ms. Monaghan also assisted in planning and implementing the “Lessons Learned Summit” for the 12 Funding Areas in the state held in November 2018. The day-and-a-half Summit brought together more than 75 attendees representing all 12 funding areas as well as DWR staff. The goals of the Summit were to share experiences regarding disadvantaged community and Tribal involvement in IRWMs, showcase IRM success stories, and Demonstrate the importance of comprehensive and collaborative approaches to sustain and strengthen IRWMs. The Summit included a wide-range of key speakers, sharing of information, and coordination of efforts across IRWMs and Funding Areas. Attendees had many opportunities to build and strengthen relationships.

UC Davis California National Primate Research Center Strategic Plan

Client: UC Davis Office of Research

Year: September, 2017 - 2018

Role: Process designer, facilitator and project management

After conducting a Train-the-Trainers workshop on strategic planning for the eight research units of the UC Davis Office of Research, the Primate Center requested additional assistance in developing their strategic plan. Worked with the Director and Associate Directors to design an inclusive and collaborative process. Created a planning workbook for use by the 50 participants representing the various units and services of the organization. Conducted a two-day retreat that focused on reviewing the Center’s SWOT analysis, creating a mindmap graphically illustrating the points of intersection of the issues and opportunities to be considered by the Center, and developing goals and objectives. Following the retreat, worked with the various subcommittees to further refine the goals and objectives, and develop an action plan to implement the objectives.

Yosemite-Mariposa Integrated Regional Water Management Plan

Client: Mariposa County Resource Conservation District (MCRCD)

Year: 2012 – 2017

Role: Process designer, facilitator and project management

Ms. Monaghan assisted the Yosemite-Mariposa Integrated Water Management Group engage interested parties in collaboratively developing an Integrated Regional Water Management Plan (IRWM Plan) to plan for and manage the water resources in the County. The IRWM Plan was developed by stakeholders representing the Mariposa County RCD, Mariposa County, public and private water districts, local community and environmental non-profit groups, tribal interests, and state and federal resource agency partners. Assisted with meeting planning and project management, and negotiated the governance structure. Provided facilitation to the Advisory Council and several of its committees including the governance and public outreach committees. Created a public participation plan to engage interested parties and disadvantaged communities. The Plan was completed in July, 2014, revised in 2016 and updated in 2018 to meet the requirements of Prop 1.

Solano County Water Agency Strategic Plan

Client: Solano County Water Agency (SCWA)

Year: September, 2015 – December 2016

Role: Process designer, facilitator and project management

SCWA is a wholesale water agency who provides untreated water to cities and agricultural districts in Solano County from the Federal Solano Project and the North Bay Aqueduct of the State Water Project. The agency also has a flood control function.

Assisted the SCWA and its 15 Participating Agencies in developing a Strategic Plan to guide SCWA for the next 10 years. The Participating Agencies include the seven cities in Solano County, the five County Supervisors and three water districts. Conducted an assessment of key stakeholders to assess the current effectiveness of SCWA. Designed a stakeholder-driven strategic planning process that includes representatives from SCWA and the Participating Agencies. Assisted the stakeholder group in creating a robust Strategic Plan with goals, objectives and a short-term implementation plan that will allow SCWA to achieve their vision and mission.

Prop 65 Warning Sign Survey

Client: Office of Environmental Health Hazard Assessment (OEHHA)

Year: June, 2015 – December, 2015

Role: Process designer, investigator and project management

OEHHA is responsible for protecting California citizens and the State's drinking water sources from chemicals known to cause cancer, birth defects or other reproductive harm, and to informing citizens about exposures to such chemicals. Industry challenged OEHHA's assumptions in response to proposed regulatory changes to the language of current Prop 65 warning signs. OEHHA commissioned a study to evaluate the "helpfulness" of both current and proposed sign language. Assisted in designing the study, authoring the survey and leading a team of four to conduct the survey at 19 Department of Motor Vehicles throughout the state. Over 1,500 individuals responded to the survey administered on iPads. The results conclusively supported the new signage language.

State Wildlife Action Plan (SWAP)

Client: California Department of Fish and Wildlife (DFW)

Year: 2012 – June, 2014

Role: Lead Mediator and Project Manager

Assisted with public engagement and public outreach for this multi-year statewide planning process. Provided strategic management and planning consultation to assist DFW Project Management. Managed development of the SWAP website. Developed the project newsletter and managed its monthly publication. Designed and facilitated thirteen scoping meetings statewide – many of them highly contentious. Planning included meeting design to address contentious issues, announcements, press releases, newsletters, and other innovative approaches to disseminate scoping meeting information to encourage public participation and input.

Climate Change Consortium

Client: California Department of Food and Agriculture (CDFA)

Year: Nov. 2012 – June 2013

Role: Project Lead, process designer and facilitator

Understanding that climate change will affect the state's \$43 Billion agriculture business, CDFA convened a consortium of stakeholders representing the 23 specialty crops grown in the state. The purpose of the Consortium was to determine specific strategies that can be implemented on the ground to adapt to climate change and provide some direction to CDFA on needs and actions that can be taken to help agriculture adapt to climate change. The strategic solutions with specific short and long term recommendations to address climate change impacts will protect California's diverse specialty crop food supply into the next century. Ms. Monaghan designed the meetings to accommodate both subject matter experts and robust discussion among Consortium members who included growers, scientists, members from the California RCDs, members from the California Agricultural Commissioners and Sealers Association Certified Crop/Pesticide Advisors and other representatives from the largest specialty crops commodity groups in California.

Eldorado Forest Travel Management Plan

Client: US Forest Service

Year: 2013

Role: Lead Mediator and Project Manager

Mediated a long-standing dispute involving the US Forest Service, Off-Highway Vehicle community, county governments and environmental groups. Various stakeholders had challenged the Eldorado Forest Travel Management Plan. Eleven appeals were filed in response to the Final Supplemental Environmental Impact Statement and Record of Decision (ROD). Assessed the issues and stakeholder interests, identified areas of common goals, and facilitated a meeting about towards a potential negotiated agreement. Individualized negotiation communications after the meeting resulted in a mutually beneficial agreement and the withdrawal of all eleven appeals, allowing the ROD to be implemented.

California Fish and Wildlife Strategic Vision

Client: California Natural Resources Agency

Year: September 2011 through April 2012

Role: Process designer, interviewer, facilitator, findings author

Assisted the California Natural Resources Agency to collaboratively develop a strategic vision for the then-California Department of Fish and Game (DFG) and the California Fish and Game Commission (F&GC) using visioning processes, public participation and occasionally dispute resolution. At the request of the legislature, the Natural Resources Agency convened a 7-member Executive Committee, a 7-member Blue Ribbon Citizens Commission and a 49-member stakeholder advisory Group to develop a strategic vision. The purpose of the strategic vision was to improve and enhance the capacity and effectiveness of DFG and the F&GC in fulfilling their public trust responsibilities for protecting and managing the state's fish and wildlife. Assisted the Project Manager in developing the process design. Facilitated the Stakeholder Advisory Group meetings and topic-specific work groups.

Unified Program Assessment and Strategic Plan

Client: Cal/EPA

Year: February through June, 2012

Role: Process Designer, Interviewer, Facilitator, Strategic Plan Author

In recognition of the Unified Program's 20th year of operation, conducted an evaluation of the program in preparation for updating the Unified Program Administration and Advisory Group's (UPAAG) Strategic Plan. Reviewed current statutes and regulations to understand the intent of the Unified Program; conducted an assessment of key stakeholders to assess the current effectiveness of the Unified Program; made recommendations to align current operations with the goals of the Unified Program; and facilitated the update of the 2009 Strategic Plan. The strategic planning process included members of the UPAAG representing local Certified Unified Program Agencies, Cal/EPA, the State Water Board, California Emergency Management Agency and the Department of Toxic Substances Control. Provided the project design, developed the assessment questionnaire, conducted the assessment interviews and facilitated the 2-day strategic planning meeting. Presented the assessment results, strategic plan overview, and recommendations for further improving the Unified Program to the Cal/EPA Secretary and his management team.

Sacramento Water Conservation Advisory Group

Client: City of Sacramento

Year: 2010 – 2014

Role: Project Lead, process designer and facilitator

Water conservation is a priority and long-standing element of the City of Sacramento's water resource portfolio. With the passage of Senate Bill 7 of Special Extended Session 7 (SBX7-7), the City was required to meet specific water conservation savings targets by 2020. Ms. Monaghan facilitated the Advisory Group who serve in an ongoing advisory capacity to the Department of Utilities regarding the City's water conservation programs and policies. Assisted in the development of the Water Conservation Plan, outreach to key stakeholders and building collaborative partnerships between stakeholders as they advised on measures to achieve SX7-7's goals.

Hospital Incident Command System (HICS) National Summit

Client: California Emergency Medical Services Authority (MS Authority)

Year: February – December 2011

Role: Process Designer, Planner and Facilitator

EMS Authority is the owner of the Hospital Incident Command System. In preparation for updating the HICS Guidebook, EMS Authority convened key stakeholders throughout the United States to review the current HICS manual, discuss lessons learned from the use of HICS in acute care healthcare facilities, identify improvements that can be made to specific areas in the HICS Guidebook and review current regulatory compliance to ensure HICS appropriately addresses regulatory changes. Summit participants confirmed that the discussions and recommendations were timely and needed. At the conclusion of the Summit, authored Summit proceedings.

Medical Reserve Corps (MRC) Annual Conference

Client: Emergency Medical Services Authority

Year: 2009 - 2010

Role: Project Lead, Process Designer, Planner, and Facilitator

A key component of California's Citizen Corps Program, the Medical Reserve Corps (MRC) was successfully developed in California after the September 11, 2001 terrorist attacks. MRCs are a community-based network of healthcare volunteers who assist public health efforts in times of special need or disaster (e.g., during a major communicable disease outbreak, an earthquake, flood, fire, evacuation or an act of terrorism.) Assisted the EMS Authority with the design and facilitation of their annual California MRC Conferences in 2009 and 2010. The purpose of the Conferences was to enhance and assist MRC development statewide. CCP provided organizational and conference design, facilitation, and policy mediation services to the summit effort. The resulting event and documentation allowed for the determination of core values, strategic similarities, and consistent principles for the state's network of MRCs, and identified work planning action items to continue throughout the next year. The conference gathering was determined to be repeated annually or more often, due to the success of this effort.

San Joaquin County Flood Control Technical Advisory Group (TAC)

Client: San Joaquin County

Year: 2007 - 2011

Role: Project Lead

The purpose of this group of local flood control interests, regional and local government representatives, Reclamation Districts, developers and consultants was to enhance communication, share data on flood protection issues, and, where possible, achieve consensus on regional strategies related to flood protection. Facilitated meetings of the TAC. Also facilitated the Outreach Subcommittee of the TAC engaged in outreach to residents, real estate and insurance professionals, businesses, and elected officials regarding the National Flood Insurance Program required by recent changes to the FEMA flood maps. Conducted community educational meetings to inform residents of new requirements for flood insurance.

Suisun Marsh Charter Group

Client: CA Department of Fish and Game

Year: 2003 - 2009

Role: Project Lead

The Suisun Marsh Charter Group is a multi-agency resource management organizational effort to resolve long-standing regulatory and land/water management issues in the Suisun Marsh. The goal of the process was to develop a mutually beneficial implementation plan that meets the regulatory compliance requirements, increases opportunities for tidal wetland creation, protects state and federal water project interests, and enhances management of existing freshwater wetlands habitat. Assisted seven federal, state and local agencies who partnered in the development of an Environmental Impact Statement/Environmental Impact Report to comply with NEPA/CEQA. Developed a robust public outreach plan to engage local and state agencies, elected officials, local residents, the environmental community, agricultural interests, and the hunting and fishing communities.



SANTA ANA WATERSHED PROJECT AUTHORITY **AGREEMENT FOR SERVICES BY INDEPENDENT CONSULTANT**

This Agreement is made this 15th day of October, 2019 by and between the Santa Ana Watershed Project Authority ("SAWPA") located at 11615 Sterling Avenue, Riverside, California, 92503 and **JM Consultants** ("Consultant") whose address is 8113 Craft Court, Orangevale, CA 95662.

RECITALS

This Agreement is entered into on the basis of the following facts, understandings, and intentions of the parties to this Agreement:

- SAWPA desires to engage the professional services of Consultant to perform such professional consulting services as may be assigned, from time to time, by SAWPA in writing;
- Consultant agrees to provide such services pursuant to, and in accordance with, the terms and conditions of this Agreement and has represented and warrants to SAWPA that Consultant possesses the necessary skills, qualifications, personnel, and equipment to provide such services; and
- The services to be performed by Consultant shall be specifically described in one or more written Task Orders issued by SAWPA to Consultant pursuant to this Agreement.

AGREEMENT

Now, therefore, in consideration of the foregoing Recitals and mutual covenants contained herein, SAWPA and Consultant agree to the following:

ARTICLE I

TERM OF AGREEMENT

1.01 This agreement shall become effective on the date first above written and shall continue until **December 31, 2020**, unless extended or sooner terminated as provided for herein.

ARTICLE II

SERVICES TO BE PERFORMED

2.01 Consultant agrees to provide such professional consulting services as may be assigned, from time to time, in writing by the Commission and the General Manager of SAWPA. Each assignment shall be made in the form of a written Task Order. Each such Task Order shall include, but shall not be limited to, a description of the nature and scope of the services to be performed by Consultant, the amount of compensation to be paid, and the expected time of completion.

2.02 Consultant may at Consultant's sole cost and expense, employ such competent and qualified independent professional associates, subcontractors, and consultants as Consultant deems necessary to perform each assignment; provided that Consultant shall not subcontract any work to be performed without the prior written consent of SAWPA.

ARTICLE III

COMPENSATION

3.01 In consideration for the services to be performed by Consultant, SAWPA agrees to pay Consultant as provided for in each Task Order.

3.02 Each Task Order shall specify a total not-to-exceed sum of money and shall be based upon the regular hourly rates customarily charged by Consultant to its clients.

3.03 Consultant shall not be compensated for any services rendered nor reimbursed for any expenses incurred in excess of those authorized in any Task Order unless approved in advance by the Commission and General Manager of SAWPA, in writing.

3.04 Work under this Agreement is being funded by a Proposition 1 Integrated Regional Water Management grant. Consultant shall provide to SAWPA an invoice within 15 days after the end of the month in which services were performed. Invoices shall be consistent with the State's invoice process and shall reflect the billable rates provided in Consultant's Work Plan, shown in Attachment A. SAWPA will invoice the State on a quarterly basis. SAWPA shall pay consultant within 15 days of receiving payment from the State. The State's payments may lag the Consultant's invoices by five months or more.

ARTICLE IV

CONSULTANT OBLIGATIONS

4.01 Consultant agrees to perform all assigned services in accordance with the terms and conditions of this Agreement including those specified in each Task Order. In performing the services required by this Agreement and any related Task Order Consultant shall comply with all local, state and federal laws, rules and regulations. Consultant shall also obtain and pay for any permits required for the services it performs under this Agreement and any related Task Order.

4.02 Except as otherwise provided for in each Task Order, Consultant will supply all personnel and equipment required to perform the assigned services.

4.03 Consultant shall be solely responsible for the health and safety of its employees, agents and subcontractors in performing the services assigned by SAWPA. Consultant hereby covenants and agrees to:

4.03a Obtain a Commercial General Liability and an Automobile Liability insurance policy, including contractual coverage, with limits for bodily injury and property damage in an amount of not less than \$2,000,000.00 per occurrence for each such policy. Such policy shall name SAWPA, its officers, employees, agents and volunteers, as an additional insured, with any right to subrogation waived as to SAWPA, its officers, employees, agents and volunteers.

If Commercial General Liability Insurance or other form with an aggregate limit is used, either the general aggregate limit shall apply separately to the work assigned by SAWPA under this Agreement or the general aggregate limit shall be at least twice the required occurrence limit. The coverage shall be at least as broad as Insurance Services Office Commercial General Liability Coverage (occurrence Form CG 00 01) and Insurance Services Office Form CA 00 01 covering Automobile Liability, Code 1 (any auto). The Commercial Liability Insurance shall include operations, products, and completed operations, as applicable;

4.03b Obtain a policy of Professional Liability (errors and omissions) insurance appropriate to the Consultant's profession in a minimum amount of \$2,000,000.00 per claim or occurrence to cover any negligent acts or omissions or willful misconduct committed by Consultant, its employees, agents and subcontractors in the performance of any services for SAWPA. Architects' and engineers' coverage shall include contractual liability;

4.03c Obtain a policy of Employer's Liability insurance in a minimum amount of \$1,000,000.00 per accident for bodily injury and property damage.

4.03d Provide worker's compensation insurance or a California Department of Insurance-approved self-insurance program in an amount and form required by the State of California and the Employer's Liability Insurance that meets all applicable Labor Code requirements, covering all persons or entities providing services on behalf of the Consultant and all risks to such persons or entities;

4.03e Consultant shall require any subcontractor that Consultant uses for work performed for SAWPA under this Agreement or related Task Order to obtain the insurance coverages specified above.

4.03f Consultant hereby agrees to waive subrogation which any insurer of Consultant may seek to require from Consultant by virtue of the payment of any loss. Consultant shall obtain an endorsement that may be necessary to give effect to this waiver of subrogation. In addition, the Workers Compensation policy shall be endorsed with a waiver of subrogation in favor of SAWPA for all work performed by Consultant, and its employees, agents and subcontractors.

All such insurance policy or policies shall be issued by a responsible insurance company with a minimum A. M. Best Rating of "A-" Financial Category "X", and authorized and admitted to do business in, and regulated by, the State of California. If the insurance company is not admitted in the State of California, it must be on the List of Eligible Surplus Line Insurers (LESLI), shall have a minimum A.M. Best Rating of "A", Financial Category "X", and shall be domiciled in the United States, unless otherwise approved by SAWPA in writing. Each such policy of insurance shall expressly provide that it shall be primary and noncontributory with any policies carried by SAWPA and, to the extent obtainable, such coverage shall be payable notwithstanding any act of negligence of SAWPA that might otherwise result in forfeiture of coverage. Evidence of all insurance coverage shall be provided to SAWPA prior to issuance of the first Task Order. Such policies shall provide that they shall not be canceled or amended without 30 day prior written notice to SAWPA. Consultant acknowledges and agrees that such insurance is in addition to Consultant's obligation to fully indemnify and hold SAWPA free and harmless from and against any and all claims arising out of an injury or damage to property or persons caused by the negligence, recklessness, or willful misconduct of Consultant in performing services assigned by SAWPA.

4.04 Consultant hereby covenants and agrees that SAWPA, its officers, employees, and agents shall not be liable for any claims, liabilities, penalties, fines or any damage to property, whether real or personal, nor for any personal injury or death caused by, or resulting from, or claimed to have been caused by or resulting from, any negligence, recklessness, or willful misconduct of Consultant. Consultant shall hold harmless, defend and indemnify SAWPA and its officers, employees, agents and volunteers from and against any and all liability, loss, damage, fines, penalties, expense and costs, including, without limitation, attorneys' fees and litigation expenses and costs, of every nature arising out of or related to Consultant's negligence, recklessness, or willful misconduct related to or arising from the performance of the work required under this Agreement and any related Task Order or Consultant's failure to comply with any of its obligations contained in this Agreement and any related Task Order, except as to such loss or damage which was caused by the active negligence or willful misconduct of SAWPA.

4.05 In the event that SAWPA requests that specific employees or agents of Consultant supervise or otherwise perform the services specified in each Task Order, Consultant shall ensure that such individual(s) shall be appointed and assigned the responsibility of performing the services.

4.06 In the event Consultant is required to prepare plans, drawings, specifications and/or estimates, the same shall be furnished with a registered professional engineer's number and shall conform to local, state and federal laws, rules and regulations. Consultant shall obtain all necessary permits and approvals in connection with this Agreement, any Task Order or Change Order. However, in the event SAWPA is required to obtain such an approval or permit from another governmental entity, Consultant shall provide all necessary supporting documents to be filed with such entity, and shall facilitate the acquisition of such approval or permit.

ARTICLE V

SAWPA OBLIGATIONS

5.01 SAWPA shall:

5.01a Furnish all existing studies, reports and other available data pertinent to each Task Order that are in SAWPA's possession;

5.01b Designate a person to act as liaison between Consultant and the General Manager and Commission of SAWPA.

ARTICLE VI

ADDITIONAL SERVICES, CHANGES AND DELETIONS

6.01 During the term of this Agreement, the Commission of SAWPA may, from time to time and without affecting the validity of this Agreement or any Task Order issued pursuant thereto, order changes, deletions, and additional services by the issuance of written Change Orders authorized and approved by the Commission of SAWPA.

6.02 In the event Consultant performs additional or different services than those described in any Task Order or authorized Change Order without the prior written approval of the Commission of SAWPA, Consultant shall not be compensated for such services.

6.03 Consultant shall promptly advise SAWPA as soon as reasonably practicable upon gaining knowledge of a condition, event, or accumulation of events, which may affect the scope and/or cost of services to be provided pursuant to this Agreement. All proposed changes, modifications, deletions, and/or requests for additional services shall be reduced to writing for review and approval or rejection by the Commission of SAWPA.

6.04 In the event that SAWPA orders services deleted or reduced, compensation shall be deleted or reduced by a comparable amount as determined by SAWPA and Consultant shall only be compensated for services actually performed. In the event additional services are properly authorized, payment for the same shall be made as provided in Article III above.

ARTICLE VII

CONSTRUCTION PROJECTS: CONSULTANT CHANGE ORDERS

7.01 In the event SAWPA authorizes Consultant to perform construction management services for SAWPA, Consultant may determine, in the course of providing such services, that a Change Order should be issued to the construction contractor, or Consultant may receive a request for a Change Order from the construction contractor. Consultant shall, upon receipt of any requested Change Order or upon gaining knowledge of any condition, event, or accumulation of events, which may necessitate issuing a Change Order to the construction contractor, promptly consult with the liaison, General Manager and Commission of SAWPA. No Change Order shall be issued or executed without the prior approval of the Commission of SAWPA.

ARTICLE VIII

TERMINATION OF AGREEMENT

8.01 In the event the time specified for completion of an assigned task in a Task Order exceeds the term of this Agreement, the term of this Agreement shall be automatically extended for such additional time as is necessary to complete such Task Order and thereupon this Agreement shall automatically terminate without further notice.

8.02 Notwithstanding any other provision of this Agreement, SAWPA, at its sole option, may terminate this Agreement at any time by giving 10 day written notice to Consultant, whether or not a Task Order has been issued to Consultant.

8.03 In the event of termination, the payment of monies due Consultant for work performed prior to the effective date of such termination shall be paid after receipt of an invoice as provided in this Agreement.

ARTICLE IX

CONSULTANT STATUS

9.01 Consultant shall perform the services assigned by SAWPA in Consultant's own way as an independent contractor, in pursuit of Consultant's independent calling and not as an employee of SAWPA. Consultant shall be under the control of SAWPA only as to the result to be accomplished and the personnel assigned to perform services. However, Consultant shall regularly confer with SAWPA's liaison, General Manager, and Commission as provided for in this Agreement.

9.02 Consultant hereby specifically represents and warrants to SAWPA that the services to be rendered pursuant to this Agreement shall be performed in accordance with the standards customarily applicable to an experienced and competent professional consulting organization rendering the same or similar services. Furthermore, Consultant represents and warrants that the individual signing this Agreement on behalf of Consultant has the full authority to bind Consultant to this Agreement.

ARTICLE X

AUDIT AND OWNERSHIP OF DOCUMENTS

10.01 All draft and final reports, plans, drawings, specifications, data, notes, and all other documents of any kind or nature prepared or developed by Consultant in connection with the performance of services assigned to it by SAWPA are the sole property of SAWPA, and Consultant shall promptly deliver all such materials to SAWPA. Consultant may retain copies of the original documents, at its option and expense. Use of such documents by SAWPA for project(s) not the subject of this Agreement shall be at SAWPA's sole risk without legal liability or exposure to Consultant. SAWPA agrees to not release any software "code" without prior written approval from the Consultant.

10.02 Consultant shall retain and maintain, for a period not less than four years following termination of this Agreement, all time records, accounting records, and vouchers and all other records with respect to all matters concerning services performed, compensation paid and expenses reimbursed. At any time during normal business hours and as often as SAWPA may deem necessary, Consultant shall make available to SAWPA's agents for examination of all such records and will permit SAWPA's agents to audit, examine and reproduce such records.

ARTICLE XI

MISCELLANEOUS PROVISIONS

11.01 This Agreement supersedes all previous agreements, either oral or written, between the parties hereto with respect to the rendering of services by Consultant for SAWPA and contains all of the covenants and agreements between the parties with respect to the rendering of such services in any manner whatsoever. Any modification of this Agreement will be effective only if it is in writing signed by both parties.

11.02 Consultant shall not assign or otherwise transfer any rights or interest in this Agreement without the prior written consent of SAWPA. Unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under this Agreement.

11.03 In the event Consultant is an individual person and dies prior to completion of this Agreement or any Task Order issued hereunder, any monies earned that may be due Consultant from SAWPA as of the date of death will be paid to Consultant's estate.

11.04 Time is of the essence in the performance of services required hereunder. Extensions of time within which to perform services may be granted by SAWPA if requested by Consultant and agreed to in writing by SAWPA. All such requests must be documented and substantiated and will only be granted as the result of unforeseeable and unavoidable delays not caused by the lack of foresight on the part of Consultant.

11.05 Consultant shall comply with all local, state and federal laws, rules and regulations including those regarding nondiscrimination and the payment of prevailing wages.

11.06 SAWPA expects that Consultant will devote its full energies, interest, abilities and productive time to the performance of its duties and obligations under this Agreement, and shall not engage in any other consulting activity that would interfere with the performance of Consultant's duties under this Agreement or create any conflicts of interest. If required by law, Consultant shall file a Conflict of Interest Statement with SAWPA.

11.07 Any dispute which may arise by and between SAWPA and the Consultant, including the Consultants, its employees, agents and subcontractors, shall be submitted to binding arbitration. Arbitration shall be conducted by a neutral, impartial arbitration service that the parties mutually agree upon, in accordance with its rules and procedures. The arbitrator must decide each and every dispute in accordance with the laws of the State of California, and all other applicable laws. Unless the parties stipulate to the contrary prior to the appointment of the arbitrator, all disputes shall first be submitted to non-binding mediation conducted by a neutral, impartial mediation service that the parties mutually agree upon, in accordance with its rules and procedures.

11.08 During the performance of the Agreement, Consultant and its subcontractors shall not unlawfully discriminate, harass, or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, physical disability (including HIV and AIDS), mental disability, medical condition (cancer), age (over 40), marital status and denial of family care leave. Consultant and its subcontractors shall insure that the evaluation and treatment of their employees and applicants for employment are free from such discrimination and harassment. Consultant and its subcontractors shall comply with the provisions of the Fair Employment and Housing Act (Government Code, Section 12290 et seq.) and the applicable regulations promulgated there under (California Code of Regulations, Title 2, Section 7285 et seq.). The applicable regulations of the Fair Employment and Housing Commission implementing Government Code Section 12990 et seq., set forth in Chapter 5 of Division 4 of Title 2 of the California Code of Regulations, are incorporated into this Agreement by reference and made a part hereof as if set forth in full. Consultant and its subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other agreement. Consultant shall include the non-discrimination and compliance provisions of this clause in all subcontracts to perform work under the Agreement.

In witness whereof, the parties hereby have made and executed this Agreement as of the day and year first above-written.

SANTA ANA WATERSHED PROJECT AUTHORITY

Richard Haller, P.E. General Manager	Date
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JM CONSULTANTS

(Signature)	Date	Type/Print Name and Title
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SANTA ANA WATERSHED PROJECT AUTHORITY
TASK ORDER NO. JMC373-01

CONSULTANT: JM Consultants
8113 Craft Court
Orangevale, CA 95662
VENDOR NO. 2252
COST: \$54,454.00
PAYMENT: Upon Proper Invoice
REQUESTED BY: Ian Achimore, Sr. Watershed Manager
September 26, 2019

FINANCE: Karen Williams, CFO
Date

FINANCING SOURCE: Acct. Coding 373-PA18-6113-01
Acct. Description General Consulting

COMMISSION AUTHORIZATION REQUIRED FOR THIS TASK: YES (X) NO ()
Authorization: October 15, 2019; CM#2019.109

This Task Order is issued upon approval and acceptance by the Santa Ana Watershed Project Authority (SAWPA) and JM Consultants (Consultant) pursuant to the Agreement for Services between SAWPA and Consultant, entered into on October 15, 2019, expiring December 31, 2020.

I. PROJECT NAME OR DESCRIPTION

Roundtable of Regions Network Coordinator

II. SCOPE OF WORK / TASKS TO BE PERFORMED

Consultant shall provide all labor, materials, and equipment for the Project of facilitating the ongoing work of the Roundtable of Regions as described in Exhibit A.

III. PERFORMANCE TIME FRAME

Consultant shall begin work October 15, 2019 and shall complete performance of such services by June 30, 2020.

IV. SAWPA LIAISON

Ian Achimore and/or Mark Norton shall serve as liaison between SAWPA and Consultant

V. COMPENSATION

For the services rendered by Consultant pursuant to this Task Order, Consultant shall receive a total not-to-exceed sum of \$54,454.00. Payment for such services shall be made within 30 days upon receipt of timely and proper invoices from the Consultant, as required by the above-mentioned Agreement. Consultant shall provide to SAWPA each such invoice within 15 days after the end of the month in which the services were performed.

VI. CONTRACT DOCUMENTS PRECEDENCE

In the event of a conflict in terms between and among the contract documents herein, the document item highest in precedence shall control. The precedence shall be:

- a. The Agreement for Services by Independent Consultant/Contractor.
- b. The Task Order or Orders issued pursuant to the Agreement, in numerical order.
- c. Exhibits attached to each Task Order, which may describe, among other things, the Scope of Work and compensation therefore.
- d. Specifications incorporated by reference.
- e. Drawings incorporated by reference.

In witness whereof, the parties have executed this Task Order on the date indicated below.

SANTA ANA WATERSHED PROJECT AUTHORITY

Richard E. Haller, P.E., General Manager Date

JM CONSULTANTS

(Signature) Date Print/Type Name and Title

EXHIBIT A – SCOPE OF WORK

Task	Objectives(s)	Task Description
AREA 1: Roundtable Administration		
Task 1 Membership List		
	Ensure accurate and up-to-date contact list that can be used as reference by members and for distribution	Update and maintain membership list. Periodically reach out to all IRWM regions to be sure all are represented.
	Support the creation or create an online portal for Roundtable members to share files and discuss relevant items (e.g., SharePoint)	Create and maintain a file sharing platform for members. A BaseCamp site previously was used, however is out-of-date and not the best of current technological options.
Task 2 Conference Calls		
	Keep IRWM community engaged and informed.	Schedule conference calls and meetings – set up and monitor Doodle Polls. Utilize a web hosting and/or conference call platform as needed.
	Give IRWM representatives information and questions to take back to their RWMG	Help develop and send out agendas and request for topics.
	Joint problem-solving	Send out 'hold the date'. Prepare for meetings. Prepare meeting and distribute meeting notes.
Task 3 Project Management		
	Manage contract with SAWPA effectively	Monitor contract budget and submit timely invoices to SAWPA
AREA 2: Special Projects		
Task 4 Network engagement		
	DWR on IRWM grant program	Schedule meetings with DWR and available ROR representatives (considerable email and calls to line-up date, location and participants)
	Provide input to DWR on PSP, Guidelines, etc. to broaden DWR perspective and thought process	Collect and compile comments and prepare letters/input documents
		Disseminate information to DWR/RoR
	To DWR regarding IRWM policy (Strategic Plan, CWP, etc.)	Schedule meetings; collect and compile comments and prepare letters; Disseminate information Participate in conference organizing.
	Coordinate with Other Organizations	Schedule meetings with and disseminate information to other organizations (i.e. Water Bond Coalition, ACWA, EJCW, CASQA, GRA, Floodplain Management Assoc.)

**CALIFORNIA IRWM ROUNDTABLE OF REGIONS NETWORK COORDINATOR
COST SHARING AGREEMENT**

Task	Objectives(s)	Task Description
	Promote IRWM principles and funding	Includes providing information to other groups and participating in other groups' meetings, as requested or useful Participating in crafting communications and legislation. Developing principles for and providing input on bond measures.
	Liaison with subgroups of the Roundtable membership that form ad-hoc on particular issues	Share information on subgroups (i.e. DACI, grant administration, baseline funding); participate in some meetings.
	White Papers	Coordinate the preparation and distribution of white papers as needed, e.g., DAC, Baseline Funding. (intermittent activity historically)
	Engage in opportunities as they arise – to promote, extend and strengthen IRWM	e.g., Stanford University IRWM survey. Input on Water Education Foundation Layperson's Guide to IRWM. Outcomes of the DACI work effort. Explore connectivity with Groundwater Sustainability Plan development .
Task 5 IRWM Promotion		
	Coordinate communication of the Roundtable "Story of IRWM" to build support	Coordinate RoR feedback/edits to develop talking points for Roundtable members. Coordinate RoR feedback/edits to develop testimonials and one-page success stories, "Impact of IRWM" in very short but carefully worded prose or bullets, 3x5 Elevator Speeches, Promotional videos/interviews, Blogs, handouts, graphic representations of successes/processes, Award applications.
	Provide website resource to inform and engage	Recruit a short-term subcommittee to determine the scope, level of effort and nature of the website. Could range from a simple explanatory site with links to all available IRWM sites (by Funding Area) to a full on (but likely higher maintenance) web site with articles, data, etc. Anticipate the outcomes of DACI and consider having a cataloged site with all successful grant applications to enable intentional cribbing/cut-and-paste of work plans, etc.
Task 6 Summits		
	Opportunities for 'in person' networking Develop and support relationship-building and deeper engagement and commitment	Identify working subcommittee (3 – 5 people) to serve as Summit Planning Team and coordinate summit implementation with them. Help develop focus of summit (via email and phone conversations with subcommittee)

**CALIFORNIA IRWM ROUNDTABLE OF REGIONS NETWORK COORDINATOR
COST SHARING AGREEMENT**

Task	Objectives(s)	Task Description
	<p>Enable integration of new representatives</p> <p>Spark new ideas</p>	<p>Determine date (can be circular in early stages as location is identified and availability determines)</p> <p>Identify location (talking with agencies, find a meeting room, develop location and parking info to share)</p> <p>Develop list of invitees (e.g., State agency staff, other organizations)</p> <p>Work with planning team to develop agenda</p> <p>Delegate logistics</p> <p>Distribute invite with Draft Agenda</p> <p>Collect RSVPs and respond to questions</p> <p>Attend summit</p> <p>Capture notes, finalize notes, share notes</p>
Task 7 Survey		
	<p>Develop materials to support interactions with DWR and other state agencies</p> <p>Inform the ROR as to the various attributes, opinions, functioning and xxx of its' members</p> <p>Support strategic action with documented supporting data</p>	<p>With feedback from RoR, develop survey form – coordinate review with subcommittee.</p> <p>Prepare final survey by coordinating any edits from Roundtable.</p> <p>Distribute survey using online electronic survey format (establish deadline, follow up with respondents to submit responses)</p> <p>Process input (compile feedback in spreadsheet and/or charts; compile comments)</p> <p>Analyze data – with subcommittee if required</p> <p>Prepare report and summary</p> <p>Distribute</p>

List of Agencies Reimbursing SAWPA for Network Coordinator

Mojave Water Agency
San Diego County Water Authority
City of San Diego
Sonoma Water
Greater Los Angeles County Integrated Regional Water Management (IRWM)
Environmental Justice Coalition for Water
Santa Clara Valley Water District
Yuba County IRWM (Regional Water Management Group)
Upper Kings Basin IRWM
Westside Sacramento IRWM
Yosemite-Mariposa IRWM
Santa Barbara County Water Agency
Burdick & Company

COMMISSION MEMORANDUM NO. 2019.110

DATE: October 15, 2019
TO: SAWPA Commission
SUBJECT: Staff Technology | iPads
PREPARED BY: Rich Haller, General Manager

RECOMMENDATION

Receive and file.

DISCUSSION

Agenda Packet Materials | Commission and Committee Meetings

Commissioners have communicated their desire that SAWPA staff begin providing agenda packet materials in a format conducive to viewing/navigating on iPads. Four of the five member agencies have issued iPads to Board members.

In communications with member agency staff, we have learned materials are provided for viewing and navigation several ways which include:

1. Email to Board member. A specific email is sent to the Board members providing a link to the agenda packet materials, which are downloaded and opened/accessed via the designated iPad app (iAnnotate, GoodReader, etc.).
2. Dropbox. The agenda packet materials are uploaded to Dropbox, which are downloaded to the iPad (via Dropbox for iPad app) and then opened/accessed via the designated iPad app (iAnnotate, GoodReader, etc.).
3. Posting Email. The Board member utilizes the Notification of Posting email (which provides a link to packet materials posted to the agency website to all interested parties) then downloads, opens/accesses the materials via the designated iPad app (iAnnotate, GoodReader, etc.).

We will work in concert with member agency staff to ensure continuity with those processes currently in place as we move forward.

iPads Supporting Agenda Packet Materials | SAWPA Productivity

In addition to enhanced Commission support, iPads will be utilized to improve SAWPA department manager productivity. Attached is an overview sampling of highly rated productivity apps available to staff for viewing, editing and navigating PDF documents. Staff will collaboratively prepare and edit documents, spreadsheets, and presentations on and offsite; upload and download utilizing Dropbox; remotely access their desktop; participate in conference and video calls, etc.

RESOURCE IMPACTS

The iPad purchased would be the Pro model, Wi-Fi only; capacity would be dependent on need. Please reference the attached comparison of current iPad models for detailed information. The funding is available in the FY 2019-2020 budget.

Attachments:

1. iPad Apps -- PDF viewing and editing
2. iPad Model Comparison

iPad Apps for PDF viewing and editing

GoodReader PDF Editor & Viewer



- Open various file types including PDF, TXT, MS Office, iWork, HTML
- Add notes and drawings to PDFs, highlight text, and share annotated files or annotation summaries
- Connect using Dropbox, OneDrive, Google Drive, Box.com, WebDAV, SMB, AFP, FTP, SFTP
- Download, upload, and sync individual files or folders
- Ability to read two files side-by-side or two different parts of the same file (premium feature)

iAnnotate 4 — PDFs & more



- Connect with Box, Dropbox, Google Drive, OneDrive or open PDFs directly from email
- Add, delete, rotate, and rearrange pages in your documents
- Ability to compress annotations onto the document to prevent modification
- Work on two documents side-by-side
- Create brand new PDFs with blank, lined, or graph-paper pages

GoodNotes 5



- Convert handwriting to text to share it with other apps or add it to the page as a text box
- Open multiple windows to view two documents or two pages side by side
- Navigate through imported PDFs with existing hyperlinks
- Scan your paper documents and recognize the text
- Presentation mode allows you to add new information to the digital whiteboard for everyone to see

Notability



- Convert handwriting to text
- Multi-Note lets you work with two notes side-by-side
- Annotate imported pictures, lecture slides, and meeting agendas
- Record meetings and lectures; notes are automatically synced with audio recordings
- Dropbox, Google Drive, Box, WebDAV, and OneDrive are supported

PDF Reader Pro Edition



- Add notes anywhere on the document using a variety of tools
- Extract and email pages from a PDF file or create a new document from an existing file
- Compress and flatten your document annotations to prevent modification
- Download/upload to iCloud, Dropbox, Box, Google Drive, SugarSync & OneDrive
- Use Airplay or an HDMI cable to project on an external display while you annotate them in real time

PDF Expert 7: PDF Editor



- Mark important info in documents with various tools: highlight, underline, strikethrough and others
- Connect to providers like Dropbox, iCloud Drive, Box, OneDrive, Google Drive
- Edit or modify existing text (premium feature)
- Redact to permanently erase or hide any sensitive information in PDFs (premium feature)
- Convert webpages, photos and documents to PDF (premium feature)

Current iPad Models

					
	iPad Pro (12.9")	iPad Pro (11")	iPad Air	iPad	iPad Mini
Capacity Range	64 GB - 1TB	64 GB - 1TB	64 GB - 256 GB	32 GB - 128 GB	64 GB - 256 GB
Price Range (Wi-Fi only)	\$999 - \$1,549	\$799 - \$1,349	\$499 - \$649	\$329 - \$429	\$399 - \$549
Price Range (Wi-Fi + cellular)	\$1,149 - \$1,699	\$949 - \$1,499	\$629 - \$779	\$459 - \$559	\$529 - \$679
Display	12.9 inches (327.7 mm) 2732 x 2048 resolution Liquid Retina display	11 inches (279.4 mm) 2388 x 1668 resolution Liquid Retina display	10.5 inches (266.7 mm) 2224 x 1668 resolution Retina display	10.2 inches (259.1 mm) 2160 x 1620 resolution Retina display	7.9 inches (200.7 mm) 2048 x 1536 resolution Retina display
Apple Pencil	Yes (2nd generation) \$129	Yes (2nd generation) \$129	Yes (1st generation) \$99	Yes (1st generation) \$99	Yes (1st generation) \$99
Power and Battery	Up to 10 hours on Wi-Fi Up to 9 hours on cellular	Up to 10 hours on Wi-Fi Up to 9 hours on cellular	Up to 10 hours on Wi-Fi Up to 9 hours on cellular	Up to 10 hours on Wi-Fi Up to 9 hours on cellular	Up to 10 hours on Wi-Fi Up to 9 hours on cellular
Camera	12-megapixels (rear) 7-megapixels (front) 4K (video recording)	12-megapixels (rear) 7-megapixels (front) 4K (video recording)	8-megapixels (rear) 7-megapixels (front) 1080p (video recording)	8-megapixels (rear) 1.2-megapixels (front) 1080p (video recording)	8-megapixels (rear) 7-megapixels (front) 1080p (video recording)
Weight	1.4 pounds (633 grams)	1.03 pounds (468 grams)	1.02 pounds (464 grams)	1.09 pounds (493 grams)	0.68 pound (308.2 grams)
Processor	A12X Bionic chip with 64-bit desktop-class architecture Neural Engine Embedded M12 coprocessor	A12X Bionic chip with 64-bit desktop-class architecture Neural Engine Embedded M12 coprocessor	A12 Bionic chip with 64-bit desktop-class architecture Neural Engine Embedded M12 coprocessor	A10 Fusion fourth-generation chip with 64-bit desktop-class architecture Neural Engine Embedded M10 coprocessor	A12 Bionic chip with 64-bit desktop-class architecture Neural Engine Embedded M12 coprocessor
Connector	USB-C; Smart Connector	USB-C; Smart Connector	Lightning; Smart Connector	Lightning; Smart Connector	Lightning
Secure Authentication	Face ID	Face ID	Touch ID	Touch ID	Touch ID
Smart Keyboard Compatibility	Yes (Smart Keyboard Folio) \$199	Yes (Smart Keyboard Folio) \$179	Yes (Smart Keyboard) \$159	Yes (Smart Keyboard) \$159	No

ACCESSORIES

Apple Pencil

2nd Generation

Length: 6.53 inches (166 mm)

Diameter: 0.35 inch (8.9 mm)

Weight: 0.73 ounce (20.7 grams)

Intuitive touch surface that supports double-tapping

Flat edge that attaches magnetically for automatic charging and pairing

Connects via Bluetooth



1st Generation

Length: 6.92 inches (175.7 mm)

measured from tip to cap

Diameter: 0.35 inch (8.9 mm)

Weight: 0.73 ounce (20.7 grams)

Sensitive to pressure and tilt so you can easily vary line weight, create subtle shading and produce a wide range of artistic effects

Connects via Bluetooth



Smart Keyboard Folio

Full-size keyboard

Provides front and back protection

Connects with the Smart Connector

No charging or pairing required



Smart Keyboard

Full-size keyboard

Folds to create a slim, lightweight cover

Connects with the Smart Connector

No charging or pairing required



Santa Ana Watershed Project Authority
Cash Transaction Report
Month of August 2019

Below is a summary of cash transactions completed during the month in the Authority's checking account with US Bank. Attached are summaries by major revenue and expense classifications.

Cash Receipts and Deposits to Account	\$ 1,569,658.13
Net Investment Transfers	5,625.00
Cash Disbursements	<u>(1,484,436.96)</u>
Net Change for Month	\$ 90,846.17
Balance at Beginning of Month	<u>3,058,243.65</u>
Balance at End of Month per General Ledger	<u>\$ 3,149,089.82</u>
Collected Balance per Bank Statement	\$ 3,452,362.40

ACCOUNTS PAYABLE RECONCILIATION

Accounts Payable Balance @ 07/31/19	\$ 16,332,231.67
Invoices Received for August 2019	3,204,080.46
Invoices Paid by check/wire during August 2019 (see attached register)	<u>(1,091,211.16)</u>
Accounts Payable Balance @ 08/31/19	<u>\$ 18,445,100.97</u>

CASH RECEIPTS

Brine Line Operating Revenues	\$ 954,122.66
Member Agency Contributions	305,393.00
Participant Fees	234,642.00
Grant Proceeds - Prop 84	75,029.03
Other	<u>471.44</u>
Total Receipts and Deposits	\$ 1,569,658.13

INVESTMENT TRANSFERS

Transfer of Funds:	
From (to) LAIF	\$ -
From (to) Legal Defense Fund	-
From (to) LESJWA	-
From (to) Investments	<u>5,625.00</u>
Total Investment Transfers	\$ 5,625.00

CASH DISBURSEMENTS

By Check:	
Payroll	
Operations	<u>1,091,211.16</u>
Total Checks Drawn	\$ 1,091,211.16
By Cash Transfer:	
Payroll	\$ 270,419.18
Payroll Taxes	119,385.50
Take Care (AFLAC)	<u>3,421.12</u>
Total Cash Transfers	\$ 393,225.80
Total Cash Disbursements	<u>\$ 1,484,436.96</u>

Santa Ana Watershed Project Authority
Check Detail
Aug-19

Category	Check #	Check Date	Type	Vendor	Check Amount
Asset Clearing	3828	8/6/2019	CHK	Riverside Nissan	\$ 32,251.70
Asset Clearing	3845	8/16/2019	CHK	San Bernardino Paint	\$ 676.24
Asset Clearing	3849	8/22/2019	CHK	West Coast Cable, Inc	\$ 12,913.00
Asset Clearing	3870	8/30/2019	CHK	Dell EMC	\$ 6,141.68
Asset Clearing	EFT02813	8/6/2019	CHK	Custom Coatings and Construction	\$ 5,200.00
Asset Clearing	EFT02846	8/22/2019	CHK	Total Plan Business Interior	\$ 5,400.00
Asset Clearing	EFT02855	8/30/2019	CHK	Total Plan Business Interiors	\$ 13,500.00
Asset Clearing Total					\$ 76,082.62
Auto Expenses	3818	8/2/2019	CHK	County of Riverside	\$ 1,006.35
Auto Expenses	3840	8/16/2019	CHK	County of Riverside/Transportation	\$ 1,191.71
Auto Expenses Total					\$ 2,198.06
Benefits	3813	8/2/2019	CHK	Cal PERS Long Term Care Program	\$ 102.04
Benefits	3821	8/2/2019	CHK	Mutual Of Omaha	\$ 3,119.47
Benefits	3830	8/16/2019	CHK	ACWA/JPIA	\$ 50,887.35
Benefits	3832	8/16/2019	CHK	AFLAC	\$ 716.04
Benefits	3836	8/16/2019	CHK	Cal PERS Long Term Care Program	\$ 102.04
Benefits	3852	8/22/2019	CHK	WageWorks	\$ 134.00
Benefits	3863	8/30/2019	CHK	Mutual Of Omaha	\$ 3,052.51
Benefits	EFT02788	8/2/2019	CHK	Vantagepoint Transfer Agents	\$ 4,267.65
Benefits	EFT02794	8/2/2019	CHK	Vantagepoint Transfer Agents	\$ 392.83
Benefits	EFT02817	8/16/2019	CHK	Vantagepoint Transfer Agents	\$ 4,267.62
Benefits	EFT02824	8/16/2019	CHK	Vantagepoint Transfer Agents	\$ 392.83
Benefits	EFT02848	8/30/2019	CHK	Vantagepoint Transfer Agents	\$ 4,267.62
Benefits	EFT02850	8/30/2019	CHK	Vantagepoint Transfer Agents	\$ 392.83
Benefits	P036753	8/2/2019	WDL	Public Employees' Retirement	\$ 4.51
Benefits	P036754	8/2/2019	WDL	Public Employees' Retirement	\$ 22,228.51
Benefits	P036755	8/2/2019	WDL	CalPERS Supplemental Income	\$ 4,234.50
Benefits	P036839	8/16/2019	WDL	Public Employees' Retirement	\$ 22,452.21
Benefits	P036840	8/16/2019	WDL	CalPERS Supplemental Income	\$ 4,184.50
Benefits	P036922	8/30/2019	WDL	Public Employees' Retirement	\$ 21,820.26
Benefits	P036923	8/30/2019	WDL	Public Employees' Retirement	\$ 700.00
Benefits	P036924	8/30/2019	WDL	CalPERS Supplemental Income	\$ 4,398.05
Benefits	WDL000004906	8/6/2019	WDL	Takecare	\$ 192.30
Benefits	WDL000004907	8/8/2019	WDL	Takecare	\$ 769.20
Benefits	WDL000004914	8/16/2019	WDL	Takecare	\$ 601.49
Benefits	WDL000004915	8/23/2019	WDL	Takecare	\$ 105.00
Benefits	WDL000004921	8/20/2019	WDL	Takecare	\$ 659.00
Benefits	WDL000004922	8/28/2019	WDL	Takecare	\$ 1,089.13
Benefits	WDL000004926	8/28/2019	WDL	Takecare	\$ 5.00
Benefits Total					\$ 155,538.49
Building Lease	3854	8/22/2019	CHK	Wilson Property Services, Inc	\$ 1,530.00
Building Lease Total					\$ 1,530.00
Computer Hardware	EFT02796	8/2/2019	CHK	Accent Computer Solutions Inc	\$ 385.82
Computer Hardware Total					\$ 385.82
Consulting	3841	8/16/2019	CHK	The Technology Depot	\$ 67.50
Consulting	3850	8/22/2019	CHK	Teaman, Ramirez & Smith, Inc	\$ 7,500.00
Consulting	3851	8/22/2019	CHK	Nicolay Consulting Group	\$ 2,400.00
Consulting	3865	8/30/2019	CHK	Bartel & Associates	\$ 1,300.00
Consulting	EFT02789	8/2/2019	CHK	Risk Sciences	\$ 6,665.77
Consulting	EFT02797	8/2/2019	CHK	Woodard & Curran Inc.	\$ 37,734.17
Consulting	EFT02803	8/2/2019	CHK	GeoScience Support Services	\$ 1,402.50
Consulting	EFT02806	8/2/2019	CHK	Blais & Associates	\$ 2,575.00
Consulting	EFT02807	8/2/2019	CHK	Water Systems Consulting	\$ 34,907.26
Consulting	EFT02825	8/16/2019	CHK	Integrated Systems Solutions	\$ 201.00
Consulting	EFT02827	8/16/2019	CHK	Dudek	\$ 4,010.00
Consulting	EFT02837	8/22/2019	CHK	West Coast Advisors	\$ 9,750.00
Consulting	EFT02839	8/22/2019	CHK	CDM Smith, Inc.	\$ 65,677.02
Consulting	EFT02840	8/22/2019	CHK	Accent Computer Solutions Inc	\$ 2,680.00
Consulting	EFT02841	8/22/2019	CHK	WEKA Inc	\$ 5,125.00
Consulting	EFT02842	8/22/2019	CHK	Trussell Technologies, Inc.	\$ 15,924.33
Consulting	EFT02851	8/30/2019	CHK	DeGrave Communications	\$ 3,230.22
Consulting	EFT02854	8/30/2019	CHK	GeoScience Support Services	\$ 2,000.00
Consulting Total					\$ 203,149.77

Santa Ana Watershed Project Authority
Check Detail
Aug-19

Category	Check #	Check Date	Type	Vendor	Check Amount
Credit Cards	P037013	8/9/2019	WDL	US Bank	\$ 17,133.40
Credit Cards Total					\$ 17,133.40
Debt Service	3862	8/30/2019	CHK	State Water Resources Control Board	\$ 227,182.02
Debt Service Total					\$ 227,182.02
Director Costs	EFT02815	8/16/2019	CHK	Denis R Bilodeau	\$ 86.42
Director Costs	EFT02816	8/16/2019	CHK	Eastern Municipal Water District	\$ 484.38
Director Costs	EFT02829	8/16/2019	CHK	Jasmin Hall	\$ 36.54
Director Costs	EFT02831	8/16/2019	CHK	Kati Parker	\$ 126.44
Director Costs	EFT02833	8/16/2019	CHK	June Hayes	\$ 25.52
Director Costs	EFT02834	8/16/2019	CHK	T. Milford Harrison	\$ 50.46
Director Costs Total					\$ 809.76
Dues	EFT02814	8/6/2019	CHK	Lake Elsinore & San Jacinto	\$ 10,000.00
Dues Total					\$ 10,000.00
Employee Reimbursement	EFT02761	8/2/2019	VOID	Sara Villa	\$ (106.12)
Employee Reimbursement	EFT02792	8/2/2019	CHK	Sara Villa	\$ 106.12
Employee Reimbursement	EFT02795	8/2/2019	CHK	Karen Williams	\$ 195.22
Employee Reimbursement	EFT02798	8/2/2019	CHK	Ian Achimore	\$ 200.00
Employee Reimbursement	EFT02799	8/2/2019	CHK	Scott Mebust	\$ 125.00
Employee Reimbursement	EFT02800	8/2/2019	CHK	Kelly Berry	\$ 120.88
Employee Reimbursement	EFT02801	8/2/2019	CHK	Alison L Lewis	\$ 59.12
Employee Reimbursement	EFT02810	8/2/2019	CHK	Katie Lucht	\$ 40.00
Employee Reimbursement	EFT02811	8/2/2019	CHK	Halley Mullay	\$ 42.46
Employee Reimbursement	EFT02826	8/16/2019	CHK	Zyanya Ramirez	\$ 77.50
Employee Reimbursement	EFT02828	8/16/2019	CHK	Ian Achimore	\$ 42.46
Employee Reimbursement	EFT02843	8/22/2019	CHK	Michael Plasencia	\$ 40.00
Employee Reimbursement	EFT02845	8/22/2019	CHK	Alison L Lewis	\$ 22.35
Employee Reimbursement	EFT02857	8/30/2019	CHK	Katie Lucht	\$ 360.00
Employee Reimbursement	EFT02858	8/30/2019	CHK	Karen Breucop	\$ 7.37
Employee Reimbursement Total					\$ 1,332.36
Equipment Leased	3864	8/30/2019	CHK	GreatAmerica Financial Services	\$ 1,452.56
Equipment Leased	EFT02812	8/6/2019	CHK	Konica Minolta Business Solutions	\$ 764.77
Equipment Leased Total					\$ 2,217.33
Facility Repair & Maintenance	3820	8/2/2019	CHK	TNT Elevator Inc	\$ 250.00
Facility Repair & Maintenance	3842	8/16/2019	CHK	Sims Tree Health Specialists	\$ 480.00
Facility Repair & Maintenance	3846	8/16/2019	CHK	Jelco Class & Door Inc	\$ 2,795.00
Facility Repair & Maintenance	3849	8/22/2019	CHK	West Coast Cable, Inc	\$ 2,971.00
Facility Repair & Maintenance	3853	8/22/2019	CHK	RivCo Mechanical Services	\$ 1,134.17
Facility Repair & Maintenance	3855	8/22/2019	CHK	Heating & Air Conditioning Service	\$ 168.15
Facility Repair & Maintenance	3866	8/30/2019	CHK	Heating & Air Conditioning Service	\$ 499.00
Facility Repair & Maintenance	EFT02819	8/16/2019	CHK	Western Exterminator Co.	\$ 123.00
Facility Repair & Maintenance	EFT02822	8/16/2019	CHK	Green Meadows Landscape	\$ 625.00
Facility Repair & Maintenance	EFT02832	8/16/2019	CHK	Riverside Cleaning	\$ 1,500.00
Facility Repair & Maintenance Total					\$ 10,545.32
Insurance Expense	3817	8/2/2019	CHK	Alliant Insurance Services	\$ 104,861.52
Insurance Expense	3825	8/2/2019	CHK	Zenith Insurance Company	\$ 10,142.00
Insurance Expense	3844	8/16/2019	CHK	Zenith Insurance Company	\$ 4,262.00
Insurance Expense Total					\$ 119,265.52
Lab Costs	EFT02791	8/2/2019	CHK	E. S. Babcock & Sons, Inc.	\$ 735.00
Lab Costs	EFT02821	8/16/2019	CHK	E. S. Babcock & Sons, Inc.	\$ 1,994.00
Lab Costs	EFT02838	8/22/2019	CHK	E. S. Babcock & Sons, Inc.	\$ 1,131.00
Lab Costs	EFT02849	8/30/2019	CHK	E. S. Babcock & Sons, Inc.	\$ 366.00
Lab Costs Total					\$ 4,226.00
Legal	3871	8/30/2019	CHK	Payne & Fears	\$ 2,730.50
Legal Total					\$ 2,730.50
Office Expense	3809	8/2/2019	CHK	Aramark Corporation Refreshments	\$ 210.71
Office Expense	3819	8/2/2019	CHK	Printing Connection, Inc.	\$ 87.00
Office Expense	3831	8/16/2019	CHK	Aramark Corporation Refreshments	\$ 81.04
Office Expense	3835	8/16/2019	CHK	PIP Printing	\$ 1,581.12
Office Expense	3837	8/16/2019	CHK	Staples Business Advantage	\$ 527.92
Office Expense	3838	8/16/2019	CHK	Printing Connection, Inc.	\$ 3,284.25

Santa Ana Watershed Project Authority
Check Detail
Aug-19

Category	Check #	Check Date	Type	Vendor	Check Amount
Office Expense	3857	8/30/2019	CHK	Aramark Corporation Refreshments	\$ 167.76
Office Expense	EFT02818	8/16/2019	CHK	Konica Minolta Business Solutions	\$ 991.73
Office Expense	EFT02823	8/16/2019	CHK	Iron Mountain	\$ 175.60
Office Expense Total					\$ 7,107.13
Other Contract Services	EFT02790	8/2/2019	CHK	Water Education Foundation	\$ 22,338.05
Other Contract Services	EFT02793	8/2/2019	CHK	Orange County Coastkeeper	\$ 21,308.00
Other Contract Services	EFT02802	8/2/2019	CHK	Local Government Commission	\$ 26,838.62
Other Contract Services	EFT02804	8/2/2019	CHK	California Rural Water Association	\$ 23,368.70
Other Contract Services	EFT02805	8/2/2019	CHK	UC Irvine	\$ 58,360.54
Other Contract Services	EFT02808	8/2/2019	CHK	Lazar Translation & Interpreters	\$ 2,695.10
Other Contract Services	EFT02830	8/16/2019	CHK	EcoTech Services Inc	\$ 13,480.00
Other Contract Services	EFT02835	8/16/2019	CHK	IU Group	\$ 434.69
Other Contract Services	EFT02836	8/16/2019	CHK	Lazar Translation & Interpreters	\$ 194.10
Other Contract Services	EFT02844	8/22/2019	CHK	EcoTech Services Inc	\$ 4,020.00
Other Contract Services	EFT02853	8/30/2019	CHK	Local Government Commission	\$ 4,181.80
Other Contract Services Total					\$ 177,219.60
Other Expense	3816	8/2/2019	CHK	California Municipal Treasurers	\$ 175.00
Other Expense	* 03829	8/14/2019	VOID	LESJWA	\$ -
Other Expense Total					\$ 175.00
Payroll	WDL000004892	8/2/2019	WDL	Direct Deposit 8/2/2019	\$ 94,059.97
Payroll	WDL000004893	8/2/2019	WDL	PR Tax - Federal	\$ 32,120.72
Payroll	WDL000004894	8/2/2019	WDL	PR Tax - State	\$ 8,083.85
Payroll	WDL000004895	8/2/2019	WDL	Direct Deposit 8/2/2019	\$ 142.54
Payroll	WDL000004897	8/2/2019	WDL	PR Tax - Federal	\$ 26.64
Payroll	WDL000004898	8/2/2019	WDL	PR Tax - State	\$ 1.66
Payroll	WDL000004899	8/6/2019	WDL	Direct Deposit 8/6/2019	\$ 3,051.94
Payroll	WDL000004900	8/6/2019	WDL	PR Tax - Federal	\$ 1,508.72
Payroll	WDL000004901	8/6/2019	WDL	PR Tax - State	\$ 254.22
Payroll	WDL000004908	8/16/2019	WDL	Direct Deposit 8/16/2019	\$ 88,796.50
Payroll	WDL000004910	8/16/2019	WDL	PR Tax - Federal	\$ 31,237.93
Payroll	WDL000004911	8/16/2019	WDL	PR Tax - State	\$ 7,615.95
Payroll	WDL000004916	8/30/2019	WDL	Direct Deposit 8/30/2019	\$ 83,805.75
Payroll	WDL000004917	8/30/2019	WDL	PR Tax - Federal	\$ 31,054.70
Payroll	WDL000004918	8/30/2019	WDL	PR Tax - State	\$ 7,361.35
Payroll	WDL000004920	8/30/2019	WDL	Direct Deposit 8/30/2019	\$ 562.48
Payroll	WDL000004923	8/30/2019	WDL	PR Tax - Federal	\$ 113.41
Payroll	WDL000004924	8/30/2019	WDL	PR Tax - State	\$ 6.34
Payroll	WDL000004937	8/2/2019	WDL	PR Tax - State	\$ 0.01
Payroll Total					\$ 389,804.68
Prop84	3843	8/16/2019	CHK	Miller Spatial Services Inc	\$ 55,738.96
Prop84 Total					\$ 55,738.96
Safety	EFT02820	8/16/2019	CHK	Underground Service Alert	\$ 361.24
Safety Total					\$ 361.24
Security	3839	8/16/2019	CHK	SafeT	\$ 793.95
Security Total					\$ 793.95
Shipping/Postage	3810	8/2/2019	CHK	Golden State Overnight	\$ 6.52
Shipping/Postage	3834	8/16/2019	CHK	Federal Express	\$ 133.28
Shipping/Postage	3848	8/22/2019	CHK	Golden State Overnight	\$ 19.56
Shipping/Postage Total					\$ 159.36
Software	EFT02840	8/22/2019	CHK	Accent Computer Solutions Inc	\$ 1,122.00
Software	EFT02852	8/30/2019	CHK	Adobe Systems Inc	\$ 169.06
Software Total					\$ 1,291.06
Temporary Services	EFT02809	8/2/2019	CHK	Mantek Solutions, Inc.	\$ 2,660.00
Temporary Services	EFT02847	8/22/2019	CHK	Mantek Solutions, Inc.	\$ 1,824.00
Temporary Services	EFT02856	8/30/2019	CHK	Mantek Solutions, Inc.	\$ 1,354.70
Temporary Services Total					\$ 5,838.70
Training	3847	8/16/2019	CHK	Maureen Kane & Associates Inc	\$ 1,550.00
Training Total					\$ 1,550.00
Utilities	3811	8/2/2019	CHK	AT&T	\$ 1,018.26

Santa Ana Watershed Project Authority
Check Detail
Aug-19

Category	Check #	Check Date	Type	Vendor	Check Amount
Utilities	3812	8/2/2019	CHK	AT&T	\$ 809.13
Utilities	3814	8/2/2019	CHK	Southern California Edison	\$ 16.90
Utilities	3815	8/2/2019	CHK	Burrtec Waste Industries Inc	\$ 83.92
Utilities	3822	8/2/2019	CHK	Verizon Wireless	\$ 130.61
Utilities	3823	8/2/2019	CHK	Verizon Wireless	\$ 268.80
Utilities	3824	8/2/2019	CHK	Verizon Wireless	\$ 1,337.68
Utilities	3826	8/6/2019	CHK	Riverside, City of	\$ 90.84
Utilities	3827	8/6/2019	CHK	Southern California Edison	\$ 105.02
Utilities	3833	8/16/2019	CHK	Riverside, City of	\$ 2,311.67
Utilities	3856	8/22/2019	CHK	DIRECTV	\$ 66.99
Utilities	3858	8/30/2019	CHK	AT&T	\$ 298.12
Utilities	3859	8/30/2019	CHK	AT&T	\$ 1,018.26
Utilities	3860	8/30/2019	CHK	AT&T	\$ 809.13
Utilities	3861	8/30/2019	CHK	Southern California Edison	\$ 15.52
Utilities	3867	8/30/2019	CHK	Verizon Wireless	\$ 130.61
Utilities	3868	8/30/2019	CHK	Verizon Wireless	\$ 268.80
Utilities	3869	8/30/2019	CHK	Verizon Wireless	\$ 1,290.05
Utilities Total					\$ 10,070.31
Grand Total					\$ 1,484,436.96

Accounts Payable

Checks	\$ 994,055.22
Wire Transfer:	\$ 97,155.94
	<u>\$ 1,091,211.16</u>

Take Care	\$ 3,421.12
Other	
Payroll	\$ 389,804.68
	<u>\$ 1,484,436.96</u>

Total Disbursements for August 2019

Santa Ana Watershed Project Authority
 Consulting
 Aug-19

Check #	Check Date	Task #	Task Description	Vendor Name	Total Contract	Check Amount	Remaining Contract Amount	Notes/Comments
EFT02840	8/22/2019	ACS100-11	IT Support	Accent Computer Solutions	\$ 186,800.00	\$ 2,680.00	\$ 107,878.43	
3865	8/30/2019	BART100-04	GASB 68 Actuarial Information	Bartel & Associates	\$ 1,300.00	\$ 1,300.00	\$ -	
EFT02806	8/2/2019	BLAIS370-03	Water Management Options Pilot Program Application	Blais & Associates	\$ 5,675.00	\$ 2,575.00	\$ 3,100.00	
EFT02839	8/22/2019	CDM386-13	SAR Bacteria Monitoring Program	CDM Smith, Inc.	\$ 353,748.00	\$ 1,530.00	\$ 68,792.28	
EFT02839	8/22/2019	CDM386-14	SAR Bacteria Monitoring Program	CDM Smith, Inc.	\$ 368,965.00	\$ 64,147.02	\$ 304,817.98	
EFT02851	8/30/2019	DEGR392-05	Social Media Support	DeGrave Communicaitons	\$ 30,000.00	\$ 3,230.22	\$ 26,769.78	
EFT02827	8/16/2019	DUDK373-06	Prop1 Round 1 Grant App	Dudek	\$ 91,310.00	\$ 4,010.00	\$ 74,402.61	
EFT02803	8/2/2019	GEOS374-01	SAR WLA Model Update	GeoScience Support Services	\$ 344,236.00	\$ 1,402.50	\$ 2,331.00	
EFT02854	8/30/2019	GEOS374-01	SAR WLA Model Update	GeoScience Support Services	\$ 344,236.00	\$ 2,000.00	\$ 331.00	
EFT02825	8/16/2019	INSOL100-14	Great Plains & Journyx Tech Support	Integrated Systems Solutions	\$ 4,200.00	\$ 201.00	\$ 3,550.00	
3851	8/22/2019	NICO100-05	GASB 45/75 Transition Plan	Nicolay Consulting Group	\$ 8,100.00	\$ 2,400.00	\$ -	
EFT02789	8/2/2019	RISK384-09	MSAR TMDL Task Force	Risk Sciences	\$ 49,340.00	\$ 2,520.00	\$ 20,171.00	
EFT02789	8/2/2019	RISK386-09	Compliance Expert - RWQM TF	Risk Sciences	\$ 46,820.00	\$ 1,260.00	\$ 35,310.68	
EFT02789	8/2/2019	RISK374-08	Basin Monitoring TF Regulatory Support	Risk Sciences	\$ 74,400.00	\$ 2,885.77	\$ 61,850.38	
3850	8/22/2019	TEAM100-07	SAWPA Auditing Services	Teaman, Ramirez, & Smith	\$ 79,500.00	\$ 7,500.00	\$ 45,431.00	
3841	8/16/2019	TTD100-05	Phone System Support	The Technology Depot	\$ 5,000.00	\$ 67.50	\$ 4,932.50	
EFT02842	8/22/2019	TRU240-22	Monthly County Line Solids Analysis	Trussell Technologies Inc	\$ 9,664.00	\$ 830.33	\$ 1,439.11	
EFT02842	8/22/2019	TRU240-23	2019 BL Annual Review	Trussell Technologies Inc	\$ 49,899.00	\$ 15,094.00	\$ -	

Santa Ana Watershed Project Authority
Consulting
Aug-19

Check #	Check Date	Task #	Task Description	Vendor Name	Total Contract	Check Amount	Remaining Contract Amount	Notes/Comments
EFT02807	8/2/2019	WSC374-01	<i>Recomputation of Ambient Water Quality</i>	Water Systems Consulting	\$ 373,973.00	\$ 34,907.26	\$ 317,878.24	
EFT02841	8/22/2019	WEKA240-02	<i>IEBL Replacement Value Assessment</i>	WEKA Inc.	\$ 50,000.00	\$ 5,125.00	\$ 37,475.00	
EFT02837	8/22/2019	WCA100-03-02	<i>State Legislative Consulting Services FY19-20</i>	West Coast Advisors	\$ 235,000.00	\$ 9,750.00	\$ 157,000.00	
EFT02797	8/2/2019	W&C327-02	<i>IEBL Reach IV-D Near Term Inspection Work</i>	Woodard & Curran Inc.	\$ 50,000.00	\$ 37,734.17	\$ 12,265.83	
						<u>\$ 203,149.77</u>		

COMMISSION MEMORANDUM NO. 2019.107

DATE: October 15, 2019
TO: SAWPA Commission
SUBJECT: Inter-Fund Borrowing – August 2019
PREPARED BY: Karen Williams, DGM/CFO

RECOMMENDATION

It is recommended that the Commission receive and file the informational report on short-term, cash-flow inter-fund borrowing.

DISCUSSION

On December 13, 2005, the Commission approved Resolution No. 452, Inter-Fund and Inter-Project Loan Policy. Staff was directed to bring back an accounting of the loans each month for review when the total exceeded \$250,000 in aggregate.

The following projects, with negative cash flow, are listed below with the amounts borrowed from SAWPA General Fund Reserves in August 2019. The total amount borrowed is over the aggregate \$250,000 amount recommended in Resolution No. 452, Inter-Fund and Inter-Project Loan Policy. The Commission has requested that this item be brought back each month as an informational item when the loan amount is over the \$250,000 aggregate amount.

Fund	Fund Name	07/31/19 Balance	Loan Receipts	New Charges	08/31/19 Balance
130	Proposition 84 Admin	\$70,041.96	(\$0.00)	\$0.00	\$70,041.96
135	Proposition 84 Admin R2	72,295.42	(0.00)	8,880.13	81,175.55
140	Proposition 84 Admin R3	72,936.78	(6,112.74)	35,773.64	102,597.68
145	Proposition 84 Admin R4	124,494.02	(0.00)	8,426.56	132,920.58
398	Proposition 1 – DACI Grant	22,981.87	(0.00)	167,995.06	190,976.93
477	LESJWA Administration	10,773.49	(0.00)	23,168.99	33,942.48
504	Prop 84 - Drought Projects	173,244.97	(68,916.29)	68,802.51	173,131.19
	Total Funds Borrowed	\$546,768.51	(\$75,029.03)	\$313,046.89	\$784,786.37
	General Fund Reserves Balance		\$3,179,158.40		
	Less Amount Borrowed		<u>784,786.37</u>		
	Balance of General Fund Reserves		<u>\$2,394,372.03</u>		

The following table lists each fund that has a negative cash flow, the source of funding for the fund, how often the fund is billed, and the projected rate of payment for the fund.

NEGATIVE CASH-FLOW FUNDS

Fund No.	Source of Funding	Billing Frequency	Projected Payment Time
130,135,140, 145 – Proposition 84 Admin	DWR – Prop 84 Grant	Monthly/Quarterly	Up to 4 months
398 – Proposition 1 – DACI Grant	DWR – Prop 1 Grant	Monthly	Up to 4 months
477 – LESJWA Admin	Reimbursement from LESJWA	Monthly	2 to 4 weeks
504 - Proposition 84 Drought Projects	DWR – Prop 84 Grant	Monthly	Up to 4 months
504 – Proposition 84 SARCCUP Projects	DWR – Prop 84 Grant	Monthly/Quarterly	Up to 4 months

Fund 130

The outstanding balance of the funds due from DWR is the mandatory 10% retention from each invoice billed. Retention funds will not be released until the Proposition 84 Round I contract is completed in 2018.

Fund 135

This fund is for the administration of Proposition 84 Round II grant funds. These funds will be billed quarterly and 10% will be withheld for retention.

Fund 140

This fund is for the administration of Proposition 84 Drought Round grant funds. These funds will be billed monthly and 10% will be withheld for retention.

Fund 145

This fund is for the administration of Proposition 84 Round 2015 grant funds. These funds will be billed quarterly and 10% will be withheld for retention.

Fund 398

This fund is for the Proposition 1 DACI grant project. These funds will be billed monthly once the contracts with DWR have been signed.

Fund 477

Each month LESJWA is billed the cost for administering the JPA. Once the bill is received, LESJWA submits payment within two weeks.

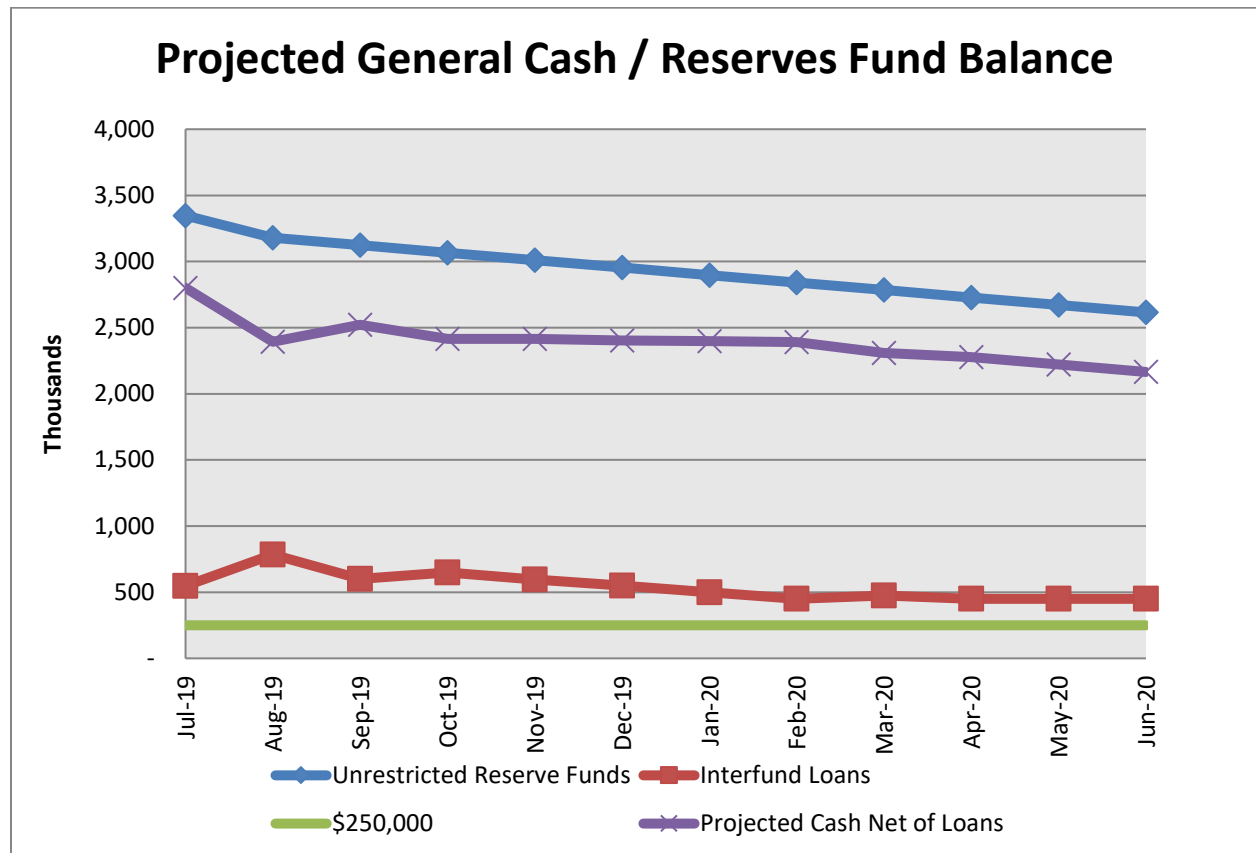
Fund 504

This fund is for the implementation of drought related projects and SARCCUP projects which are administered through PA22 and PA23.

The following graph shows the total budget, total project costs to date, and the amount remaining on each grant.

Fund	Fund Name	Total Budget	Project Costs Through 08/31/19	Remaining Grant Budget
130	Proposition 84 Admin R1	\$660,004	(\$571,491)	\$88,513
135	Proposition 84 Admin R2	627,405	(496,372)	131,033
140	Proposition 84 Admin R3	887,860	(727,331)	160,529
145	Proposition 84 Admin R4	3,213,384	(656,349)	2,557,035
373	OWOW Planning Grant	250,000	(250,000)	0
397	Energy Water DAC Grant (WECAN)	2,339,824	(2,339,824)	0
398	Proposition 1 – DACI Grant	6,300,000	(1,518,974)	4,781,026
504	Prop 84 - Drought Projects	5,547,816	(3,374,647)	2,173,169
504	Prop 84 – 2015 Round (SARCCUP)	1,543,810	(515,513)	1,028,297
Totals		\$21,370,103	(\$10,450,501)	\$10,919,602

The following graph shows projected inter-fund loan balances, total unrestricted General Fund Reserves available for loans, and projected cash net of loans through June 2020. The projected loan balance is expected to remain over the \$250,000 aggregate limit through June 2020 because of Proposition 1 and 84 grants but can be covered by General Fund Reserves without a major impact on cash flow.



RESOURCE IMPACTS

The funds borrowed from the General Fund Reserves will be paid back with interest when the funding is received. Interfund loans for grants are not charged interest unless the grant contracts specifically states that interest is eligible for reimbursement. There is sufficient cash available to cover proposed borrowings and to pay budgeted expenditures for the General Fund.

Attachments:

1. Resolution No. 452 | Amending the Inter-Fund, Inter-Project and Inter-Agency Loan Policy

RESOLUTION NO. 452

A RESOLUTION OF THE COMMISSION OF THE SANTA ANA WATERSHED PROJECT AUTHORITY AMENDING THE INTER-FUND, INTER-PROJECT AND INTER-AGENCY LOAN POLICY

WHEREAS, the Commission of the Santa Ana Watershed Project Authority (hereafter "SAWPA") previously adopted, by minute action taken on August 3, 1996, an "Inter-Fund/Inter-Project Loan Policy" to regulate loans from one SAWPA Fund or Project to another SAWPA Fund or Project; and

WHEREAS, the Commission desires to amend the "Inter-Fund Fund/Project Loan Policy" by formally adopting such Policy, by way of this Resolution, regulating how and in what manner such inter-fund or inter-project loans are to take place and mandating that all such loans require Commission approval in advance as contemplated by the policy adopted on August 3, 1996.

NOW, THEREFORE, BE IT RESOLVED that the Commission of the Santa Ana Watershed Project Authority hereby amends the following Loan Policy for any loan from one SAWPA Fund or Project to another SAWPA Fund or Project:

1. Loans from any SAWPA Fund or Project to another SAWPA Fund, Project or another public agency shall be approved in advance by the SAWPA Commission. The approval shall be in written format and include documentation of the specifics of the transaction. The approval shall include a finding that the loan will not expose the lending SAWPA Fund or Project to significant financial or operational risk.
2. Unless otherwise provided for by the Commission, the borrowing Fund, Project or public agency shall be required to repay the loan within a specific period of time and at a rate of interest as determined by the Commission. For the purposes of this policy, SAWPA's calculated quarterly rate of return may be used as the basis for interest payable on the outstanding principal for any loan. The period for repayment of the loan shall be determined by the Commission, but shall be no longer than the life of the lending Fund or Project.
3. The borrowing Fund's, Project's or public agency's repayment source shall be identified and included in the approval action by the Commission and the "loan documentation". The "loan documentation" shall include a written agreement, resolution or other document approved by the Commission setting forth all of the foregoing terms and conditions.

4. Loans to reimbursable SAWPA grant contract projects and related efforts for short-term (i.e., current fiscal year) operating cash flow purposes may be borrowed from the SAWPA General Fund Reserve without prior Commission approval. But all such loans shall be reported to the Commission within 30 days of each such loan. Such loans shall be paid off on a continuous basis. The total funds loaned for all such grant contract projects and related efforts shall not exceed \$250,000.00 in the aggregate for each fiscal year, without prior written approval by the Commission. Payment of interest will be based on the actual interest that would have been earned by the SAWPA General Fund Reserve had those funds not been borrowed. Cash flow and receivables will be reported at least quarterly to forecast needs and demonstrate compliance.
5. Prior to June 30th of each year, staff shall provide to the Commission an annual written report of all such Inter-fund, Inter-project or Inter-agency loans, amounts repaid and any outstanding loan balances.

ADOPTED this 13th day of December 2005.

SANTA ANA WATERSHED PROJECT AUTHORITY

By: *Mark W. Bulot*
Mark Bulot, Chair



COMMISSION MEMORANDUM NO. 2019.108

DATE: October 15, 2019
TO: SAWPA Commission
SUBJECT: Performance Indicators and Financial Reporting – August 2019
PREPARED BY: Karen Williams, DGM/CFO

RECOMMENDATION

It is recommended that the Commission receive and file staff's report.

DISCUSSION

The attached reports have been developed to keep the Commission informed as to SAWPA's business and budget performance. These reports are categorized into the following groups: financial reporting, cash and investments, and performance indicators. They are explained in detail below. As new reports are developed, they will be added for the Commission's review.

Financial Reporting

Balance Sheet by Fund Type	Lists total assets, liabilities, and equity by fund type for a given period.
Revenue & Expense by Fund Type	Lists total revenue and expenses by fund type for a given period.
Receivables Management	Shows total outstanding accounts receivable by age.
Open Task Order Schedule	Shows SAWPA's total outstanding obligation for open task orders.
List of SAWPA Funds	Shows each SAWPA Fund with the fund description and fund group.
Debt Service Funding Analysis	Shows total annual income by source used to make debt service payments through debt maturity at FYE 2048.
Debt Service Payment Schedule	Shows total debt service interest and principal payments through debt maturity at FYE 2048.

Cash and Investments

Total Cash and Investments (chart)	Shows the changes in cash and investments balance for the last twelve months.
Cash Balance & Source of Funds	Shows total cash and investments for all SAWPA funds and the types of investments held for each fund.
Cash & Investments (pie chart)	Shows total cash and investments for all SAWPA funds and the percentage of each investment type.
Reserve Account Analysis	Shows changes to each reserve account for the year and projected ending balance for each.
Twelve Month Security Schedule (chart)	Shows the maturity dates for securities held and percentage of securities in each category.

Treasurer's Report	Shows book and market value for both Treasury strips and securities held by the Agency.
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Performance Indicators

Average Daily Flow by Month	Shows total flow in the Brine Line System by month compared to total treatment capacity owned. This is an indicator of the available capacity in the line. As we add yearly flows, it will show trends in flow throughout the year.
Summary of Labor Multipliers	Summarizes the information generated from the following two reports and compares the actual benefit and Indirect Cost Allocation rates to the total budgeted rates.
General Fund Costs	Lists total Fund No. 100 costs to date and the amount of those costs recovered through the Indirect Cost Allocation and member contributions.
Benefit Summary	Lists total employee benefit costs actual to budget and projects them through the end of the year. This report compares how the actual benefit rate compares to the budgeted rate.
Labor Hours Budget vs. Actual	Shows total budgeted hours for each project and compares them to the actual hours charged to each.

RESOURCE IMPACTS

Staff expects minimal impacts to SAWPA or its member agencies related to this effort.

Attachments:

- | | |
|---------------------------------------|---|
| 1. Balance Sheet by Fund Type | 10. Reserve Account Analysis |
| 2. Revenue & Expense by Fund Type | 11. Twelve-Month Maturity Schedule - Securities |
| 3. Accounts Receivable Aging Report | 12. Treasurer's Report |
| 4. Open Task Order Schedule | 13. Average Daily Flow by Month |
| 5. List of SAWPA Funds | 14. Summary of Labor Multipliers |
| 6. Debt Service Funding Analysis | 15. General Fund Costs |
| 7. Debt Service Payment Schedule | 16. Benefits |
| 8. Total Cash and Investments (chart) | 17. Labor Hours Budgeted vs. Actual |
| 9. Cash Balance & Source of Funds | |

Santa Ana Watershed Project Authority
Balance Sheet by Fund Type
For the One Month Ending Wednesday, July 31, 2019

	General Fund	Brine Line Enterprise	Capital Projects	OWOW Projects	Roundtable Projects	Fund Totals
Assets						
Current Assets						
Cash and Investments	\$4,136,163.44	\$52,508,861.69	(\$2,026.03)	\$1,297,232.02	\$2,498,235.46	\$60,438,466.58
Accounts Receivable	135,396.99	1,916,035.40	0.00	16,402,765.41	820,126.43	19,274,324.23
Prepays and Deposits	41,909.01	145,136.16	0.00	0.00	0.00	187,045.17
Total Current Assets	4,313,469.44	54,570,033.25	(2,026.03)	17,699,997.43	3,318,361.89	79,899,835.98
Fixed Assets						
Property, Plant & Equipment less accum depreciation	1,142,357.79	84,402,859.60	0.00	0.00	0.00	85,545,217.39
Work In Process	0.00	0.00	380,925.22	1,000,000.00	0.00	1,380,925.22
Total fixed assets	1,142,357.79	84,402,859.60	380,925.22	1,000,000.00	0.00	86,926,142.61
Other Assets						
Wastewater treatment/disposal rights, net of amortization	39,927.42	26,132,998.34	0.00	0.00	0.00	26,172,925.76
Inventory - Mitigation Credits	0.00	0.00	0.00	0.00	1,910,560.00	1,910,560.00
Total Other Assets	39,927.42	26,132,998.34	0.00	0.00	1,910,560.00	28,083,485.76
Total Assets	<u>\$5,495,754.65</u>	<u>\$165,105,891.19</u>	<u>\$378,899.19</u>	<u>\$18,699,997.43</u>	<u>\$5,228,921.89</u>	<u>\$194,909,464.35</u>
Liabilities and Fund Equity						
Current Liabilities						
Accounts Payable/Accrued Expenses	\$856,532.18	\$1,009,188.64	\$82,803.01	\$17,688,180.96	\$174,394.41	\$19,811,099.20
Accrued Interest Payable	0.00	287,504.12	0.00	0.00	0.00	287,504.12
Customer Deposits	0.00	8,825.59	0.00	0.00	458,596.40	467,421.99
Noncurrent Liabilities						
Long-term Debt	4,195,263.00	29,847,479.91	0.00	0.00	0.00	34,042,742.91
Deferred Revenue	0.00	67,698,979.50	0.00	0.00	0.00	67,698,979.50
Total Liabilities	5,051,795.18	98,851,977.76	82,803.01	17,688,180.96	632,990.81	122,307,747.72
Fund Equity						
Contributed Capital	0.00	20,920,507.03	0.00	0.00	0.00	20,920,507.03
Retained Earnings	1,300,697.64	44,876,099.57	296,366.31	1,118,089.73	3,613,861.29	51,205,114.54
Revenue Over/Under Expenditures	(856,738.17)	457,306.83	(270.13)	(106,273.26)	982,069.79	476,095.06
Total Fund Equity	443,959.47	66,253,913.43	296,096.18	1,011,816.47	4,595,931.08	72,601,716.63
Total Liabilities & Fund Equity	<u>\$5,495,754.65</u>	<u>\$165,105,891.19</u>	<u>\$378,899.19</u>	<u>\$18,699,997.43</u>	<u>\$5,228,921.89</u>	<u>\$194,909,464.35</u>

Santa Ana Watershed Project Authority
Revenue & Expenses by Fund Type
For the One Month Ending Wednesday, July 31, 2019

	General Fund	Brine Line Enterprise	Capital Projects	OWOW Projects	Roundtable Projects	Fund Totals
Operating Revenue						
Discharge Fees	\$0.00	\$973,971.39	\$0.00	\$0.00	\$0.00	\$973,971.39
Grant Proceeds	0.00	0.00	0.00	(10,176,086.53)	0.00	(10,176,086.53)
Financing Proceeds	0.00	0.00	0.00	0.00	20,026.43	20,026.43
Total Operating Revenue	0.00	973,971.39	0.00	(10,176,086.53)	20,026.43	(9,182,088.71)
Operating Expenses						
Labor	208,847.29	81,801.62	91.23	55,617.23	12,444.03	358,801.40
Benefits	68,948.98	37,301.54	41.60	25,361.46	5,674.48	137,328.06
Indirect Costs	0.00	123,111.43	137.30	83,703.93	18,728.27	225,680.93
Education & Training	1,478.32	0.00	0.00	0.00	0.00	1,478.32
Consulting & Professional Services	30,216.06	5,395.00	0.00	(87,832.15)	53,833.19	1,612.10
Operating Costs	452.49	204,221.46	0.00	0.00	0.00	204,673.95
Repair & Maintenance	9,988.83	0.00	0.00	0.00	0.00	9,988.83
Phone & Utilities	4,523.60	613.89	0.00	0.00	0.00	5,137.49
Equipment & Computers	38,944.61	29,393.33	0.00	104.99	0.00	68,442.93
Meeting & Travel	4,582.58	214.07	0.00	666.27	158.67	5,621.59
Other Administrative Costs	17,790.34	4,472.13	0.00	5,665.00	10,000.00	37,927.47
Benefits Applied	172,372.69	0.00	0.00	0.00	0.00	172,372.69
Indirect Costs Applied	(226,573.41)	0.00	0.00	0.00	0.00	(226,573.41)
Other Expenses	3,743.97	41,726.61	0.00	0.00	0.00	45,470.58
Construction	0.00	0.00	0.00	(9,323,100.00)	0.00	(9,323,100.00)
Total Operating Expenses	335,316.35	528,251.08	270.13	(9,239,813.27)	100,838.64	(8,275,137.07)
Operating Income (Loss)	(335,316.35)	445,720.31	(270.13)	(936,273.26)	(80,812.21)	(906,951.64)
Nonoperating Income (Expense)						
Member Contributions	676,965.00	0.00	0.00	830,000.00	20,000.00	1,526,965.00
Other Agency Contributions	0.00	0.00	0.00	0.00	1,042,882.00	1,042,882.00
Interest Income	0.00	11,486.37	0.00	0.00	0.00	11,486.37
Other Income	0.00	100.15	0.00	0.00	0.00	100.15
Use of Reserves	(14,969.82)	0.00	0.00	0.00	0.00	(14,969.82)
Total Nonoperating Income (Expense)	661,995.18	11,586.52	0.00	830,000.00	1,062,882.00	2,566,463.70
Excess Rev over (under) Exp	<u>\$326,678.83</u>	<u>\$457,306.83</u>	<u>(\$270.13)</u>	<u>(\$106,273.26)</u>	<u>\$982,069.79</u>	<u>\$1,659,512.06</u>

Aging Report
Santa Ana Watershed Project Authority
Receivables as of August 31, 2019

Customer Name	Project	Total	0-30 Days	31-60 Days	61 and Over
Beaumont Cherry Valley Water District	Basin Monitoring	16,796.00			16,796.00
Chino Basin Desalter Authority	Brine Line	314,156.16	159,385.87	154,770.29	
Department of Water Resources	Prop 84, WECAN	17,330,679.07		43,459.13	17,287,219.94
Eastern Municipal Water District	Brine Line	360,586.13	179,633.47	180,952.66	
Inland Empire Utilities Agency	Brine Line, Emerging Constituents	206,525.92	100,927.03	105,598.89	
Lake Elsinore & San Jacinto Watersheds Authority	LESJWA Administration	15,168.99	15,168.99		
Orange County Flood Control District	RWQ Monitoring	43,204.00		43,204.00	
Patriot Environmental Services	Brine Line	250.00		250.00	
Riverside County Flood Control	RWQ Monitoring	118,703.00		118,703.00	
San Bernardino County Flood Control District	MSAR TMDL	195,172.00		195,172.00	
San Bernardino Valley Municipal Water District	Brine Line	208,306.97	103,534.01	104,772.96	
Western Municipal Water District	Brine Line	796,381.78	382,744.03	413,637.75	
Total Accounts Receivable		19,605,930.02	941,393.40	1,360,520.68	17,304,015.94

Santa Ana Watershed Project Authority
Open Task Orders Schedule
Aug-19
(Reflects Invoices Received as of 9/19/19)

Task Order No. Project Contracts	Fund No.	Vendor Name	Task Description	Begin Date	End Date	Original Contract	Change Orders	Total Contract	Billed To Date	Contract Balance	SAWPA Manager	Comments
ACS100-11	100-00	Accent Computer Solutions	IT Support	08/08/2018	06/30/2020	\$ 186,800.00	\$ -	\$ 186,800.00	\$ 83,377.32	\$ 103,422.68	Dean Unger	
BART100-04	100-00	Bartel & Associates	2019 GASB 68 Actuarials Info	05/16/2019	12/31/2019	\$ 1,300.00	\$ -	\$ 1,300.00	\$ 1,300.00	\$ -	Karen Williams	
HAMM100-240-01	100/240	Hammons Strategies	Technical Writing - SAWPA/BL	07/01/2018	12/31/2019	\$ 10,000.00	\$ 10,000.00	\$ 20,000.00	\$ 13,255.00	\$ 6,745.00	Rich Haller	
INSOL100-14	100-00	Integrated Systems Solutions	Great Plains & Journyx Tech Support	07/01/2019	06/30/2020	\$ 4,200.00		\$ 4,200.00	\$ 683.00	\$ 3,517.00	Dean Unger	
INSOL100-13	100-00	Integrated Systems Solutions	Journyx Timekeeping software Install	05/21/2019	07/31/2019	\$ 11,340.00	\$ -	\$ 11,340.00	\$ 10,097.00	\$ 1,243.00	Dean Unger	
TEAM100-07	100-00	Teaman, Ramirez, & Smith	Auditing Services	06/05/2018	06/30/2021	\$ 79,500.00	\$ -	\$ 79,500.00	\$ 34,069.00	\$ 45,431.00	Karen Williams	
TTD100-05	100-00	The Technology Depot	Phone Support	07/01/2019	06/30/2020	\$ 5,000.00	\$ -	\$ 5,000.00	\$ 191.25	\$ 4,808.75	Dean Unger	
TPBI100-01	100-00	Total Plan Business Interiors	SAWPA Building Improvments - Design		12/31/2019	\$ 5,000.00	\$ 5,000.00	\$ 10,000.00	\$ 8,775.00	\$ 1,225.00	Carlos Quintero	
WCA100-03-03	100-03	West Coast Advisors	State Legislative Consulting FY19-20	01/01/2019	12/31/2020	\$ 235,000.00	\$ -	\$ 235,000.00	\$ 78,000.00	\$ 157,000.00	Larry McKenney	
CALV240-03	240	Calvada Surveying	BL On Call Land Surveying Services	06/05/2018	06/30/2020	\$ 28,970.00	\$ -	\$ 28,970.00	\$ -	\$ 28,970.00	Carlos Quintero	On Call
DOUG240-03	240	Douglas Environmental	Brine Line Meter Calibration	07/01/2018	06/30/2020	\$ 25,620.00		\$ 25,620.00	\$ 16,046.06	\$ 9,573.94	Carlos Quintero	On Call
WO2020-02	240	E S Babcock	Brine Line Sample Collection & Analysis	07/01/2019	06/30/2020	\$ 91,949.00	\$ -	\$ 91,949.00	\$ 4,053.00	\$ 87,896.00	Carols Quintero	
HAZ240-09	240	Haz Mat Trans Inc	On Call Draining & Emergency Clean Up	07/01/2018	06/30/2020	\$ 96,665.00	\$ -	\$ 96,665.00	\$ 2,714.01	\$ 93,950.99	Carlos Quintero	On Call
HAZ240-10	240	Haz Mat Trans Inc	BL Debris Hauling & Disposal services	07/01/2018	06/30/2020	\$ 34,800.00		\$ 34,800.00	\$ 7,120.00	\$ 27,680.00	Carlos Quintero	On Call
HOU240-04	240	Houston Harris PCS Inc	Brine Line On Call Inspection Services	07/01/2018	06/30/2020	\$ 96,448.00	\$ -	\$ 96,448.00	\$ 2,131.50	\$ 94,316.50	Carlos Quintero	On Call
WO2020-31	240	Inland Empire Utilities Agency	Reach 4A Upper - BL Maintenance	07/01/2019	06/30/2020	\$ 10,000.00	\$ -	\$ 10,000.00	\$ -	\$ 10,000.00	Carlos Quintero	
INN240-03	240	Innerline Engineering Inc	Brine Line On-Call Line Cleaning	07/01/2018	06/30/2020	\$ 151,020.00		\$ 151,020.00	\$ 46,897.50	\$ 104,122.50	Carlos Quintero	On Call
PRO240-01	240	Project Partners	Pretreatment Program Support Services	07/30/2019	06/30/2020	\$ 5,000.00	\$ -	\$ 5,000.00	\$ -	\$ 5,000.00	David Ruhl	
TRU240-22	240	Trussell Technologies	Monthly County Line Solids Analysis	10/16/2018	10/31/2019	\$ 9,664.00	\$ -	\$ 9,664.00	\$ 9,664.00	\$ -	Carlos Quintero	
TRU240-24	240	Trussell Technologies	BL Sampling Support	09/12/2019	06/30/2021	\$ 23,590.00	\$ -	\$ 23,590.00	\$ -	\$ 23,590.00	Carlos Quintero	
WEKA240-02	240	WEKA	IEBL Replacement Value Assessment	05/27/2019	10/31/2019	\$ 50,000.00	\$ -	\$ 50,000.00	\$ 24,725.00	\$ 25,275.00	David Ruhl	
WO2020-01	240	WMWD	Sample Collection & Analysis	07/01/2019	06/30/2020	\$ 75,000.00	\$ -	\$ 75,000.00	0.00	\$ 75,000.00	David Ruhl	
WO2020-03	240	WMWD	Brine Line Operations & Maintenance	07/01/2019	06/30/2020	\$ 25,000.00	\$ -	\$ 25,000.00	0.00	\$ 25,000.00	Carlos Quintero	
DUDK320-03-01	320	Dudek	Reach 4D Maintenance Acc Rehabilitation	05/30/2019	06/30/2020	\$ 38,530.00	\$ -	\$ 38,530.00	0.00	\$ 38,530.00	David Ruhl	138

Santa Ana Watershed Project Authority
Open Task Orders Schedule
Aug-19
(Reflects Invoices Received as of 9/19/19)

Task Order No. Project Contracts	Fund No.	Vendor Name	Task Description	Begin Date	End Date	Original Contract	Change Orders	Total Contract	Billed To Date	Contract Balance	SAWPA Manager	Comments
W&C327-02	327	Woodard & Curran	IEBL Reach IV-D Near Term Inspection Work	04/03/2019	12/31/2019	\$ 50,000.00	\$ -	\$ 50,000.00	\$ 45,925.22	\$ 4,074.78	David Ruhl	
BLAIS370-02	370-01	Blais & Associates	Grant Needs Assessment & Grant Monitoring	10/01/2018	12/31/2019	\$ 24,700.00	\$ -	\$ 24,700.00	\$ 8,818.47	\$ 15,881.53	Ian Achimore	
BLAIS370-03	370-01	Blais & Associates	Water Mgmt Options Pilot Program Application	06/17/2019	07/31/2019	\$ 5,675.00	\$ -	\$ 5,675.00	\$ 5,450.00	\$ 225.00	Ian Achimore	
DUDK373-06	373	Dudek	Prop1 Round 1 Grant App	03/07/2019	12/31/2019	\$ 91,310.00	\$ -	\$ 91,310.00	\$ 44,003.10	\$ 47,306.90	Ian Achimore	
SWWG373-01	373	Sierra Water Workgroup	Roundtable of Regions network coordinator	04/01/2019	06/30/2020	\$ 84,454.00	\$ -	\$ 84,454.00	\$ 12,000.00	\$ 72,454.00	Ian Achimore	
GEOS374-01	374	GeoScience Support Service	SAR WLA Model Update	02/01/2017	10/31/2019	\$ 249,800.00	\$ 94,436.00	\$ 344,236.00	\$ 343,905.00	\$ 331.00	Mark Norton	
RISK374-08	374	Risk Sciences	Basin Monitoring TF Regulatory Support	03/21/2019	06/30/2020	\$ 74,400.00	\$ -	\$ 74,400.00	\$ 12,549.62	\$ 61,850.38	Mark Norton	
SOMA374-01	374	Somach, Simmons, & Dunn	Basin Monitoring TF Regulatory Support	08/06/2019	07/01/2021	\$ 112,380.00	\$ -	\$ 112,380.00	\$ 2,863.50	\$ 109,516.50	Mark Norton	
WSC374-01	374	Water Systems Consulting	Recomputation of Ambient Water Quality	04/02/2019	06/30/2020	\$ 373,973.00	\$ -	\$ 373,973.00	\$ 87,043.39	\$ 286,929.61	Mark Norton	
SAWA381-01	381	Santa Ana Watershed Association	Van Buren Bridge Sucker Restoration	09/26/2018	12/31/2019	\$ 15,130.20	\$ -	\$ 15,130.20	\$ 5,961.40	\$ 9,168.80	Ian Achimore	
SCH381-01	381	Scheevel Engineering	S.A. Sucker - Beneficial Use Project	04/18/2017	06/30/2020	\$ 96,725.00	\$ 7,275.00	\$ 104,000.00	\$ 99,529.00	\$ 4,471.00	Ian Achimore	
SCH381-02	381	Scheevel Engineering	S.A. Sucker - Habitat Construction Management	09/17/2018	12/31/2019	\$ 12,300.00	\$ -	\$ 12,300.00	\$ 5,025.00	\$ 7,275.00	Ian Achimore	
GEI384-01	384-01	GEI Consultants	MSAR TMDL Synoptic Study	05/21/2019	06/30/2020	\$ 200,000.00	\$ -	\$ 200,000.00	\$ 10,998.84	\$ 189,001.16	Rick Whetsel	
RISK384-09	384-01	Risk Sciences	MSAR TMDL Task Force	07/01/2018	06/30/2020	\$ 49,340.00	\$ -	\$ 49,340.00	\$ 29,169.00	\$ 20,171.00	Rick Whetsel	
SOMA384-01	384-01	Somach, Simmons & Dunn	MSAR TMDL Regulatory Support	08/06/2019	07/01/2021	\$ 119,790.00	\$ -	\$ 119,790.00	\$ 517.50	\$ 119,272.50	Mark Norton	
CDM386-13	386	CDM Smith	Regional Bacteria Monitoring Program	07/01/2018	09/30/2019	\$ 324,914.00	\$ 28,834.00	\$ 353,748.00	\$ 285,965.72	\$ 67,782.28	Rick Whetsel	
CDM386-14	386	CDM Smith	SAR Bactgeria Monitoring Program	02/27/2019	06/30/2020	\$ 362,865.00	\$ 6,100.00	\$ 368,965.00	\$ 68,042.52	\$ 300,922.48	Rick Whetsel	
RISK386-10	386	Risk Sciences	Compliance Expert - RWQM TF	07/01/2018	06/30/2020	\$ 46,820.00	\$ -	\$ 46,820.00	\$ 11,509.32	\$ 35,310.68	Rick Whetsel	
SAWA387-06	387	Santa Ana Watershed Association	Arundo Surveying	07/17/2018	08/31/2019	\$ 23,000.00	\$ -	\$ 23,000.00	\$ -	\$ 23,000.00	Ian Achimore	
DEGR392-05	392	DeGrave Communications	Social Media Support - EC TF	07/01/2019	06/30/2020	\$ 30,000.00	\$ -	\$ 30,000.00	\$ 6,445.14	\$ 23,554.86	Mark Norton	
RISK392-05	392	Risk Sciences	Emerging Constituents Sampling Progam 2019	02/20/2019	06/30/2020	\$ 28,250.00	\$ -	\$ 28,250.00	\$ 8,994.04	\$ 19,255.96	Mark Norton	
ECOT397-02	397	Ecotech Services	WECAN Landscaping Services	04/04/2017	09/30/2019	\$ 612,000.00	\$ -	\$ 612,000.00	\$ 607,625.00	\$ 4,375.00	Ian Achimore	
PO3466	398	California Rural Water Association	Disadvantaged Communities Grant	07/19/2017	04/30/2020	\$ 240,000.00	\$ -	\$ 240,000.00	\$ 145,317.48	\$ 94,682.52	Rick Whetsel	
IEW398-03	398	Inland Empire Waterkeeper	Disadvanged Communities Grant	09/03/2018	04/30/2021	\$ 7,200.00	\$ -	\$ 7,200.00	\$ 6,615.92	\$ 584.08	Rick Whetsel	139

Santa Ana Watershed Project Authority
Open Task Orders Schedule
Aug-19
(Reflects Invoices Received as of 9/19/19)

Task Order No. Project Contracts	Fund No.	Vendor Name	Task Description	Begin Date	End Date	Original Contract	Change Orders	Total Contract	Billed To Date	Contract Balance	SAWPA Manager	Comments
IUG398-01	398	IU Group	On Call Translation Services	04/18/2019	04/30/2020	\$ 10,000.00	\$ -	\$ 10,000.00	\$ 1,968.09	\$ 8,031.91	Rick Whetsel	
LTI398-01	398	Lazar Translation & Interpreting	On Call Translation Services	04/16/2019	04/30/2020	\$ 10,000.00	\$ -	\$ 10,000.00	\$ 3,669.20	\$ 6,330.80	Rick Whetsel	
PO3463	398	Local Government Commission	Disadvantaged Communities Grant	07/19/2017	04/30/2020	\$ 442,000.00	\$ -	\$ 442,000.00	\$ 296,988.90	\$ 145,011.10	Rick Whetsel	
PO3551	398	UC Irvine	Disadvantaged Communities Grant	11/06/2017	04/30/2020	\$ 105,000.00	\$ 277,000.00	\$ 382,000.00	\$ 265,819.39	\$ 116,180.61	Rick Whetsel	
PO3465	398	University Enterprises Corporation	Disadvantaged Communities Grant	07/19/2017	04/30/2020	\$ 1,290,500.00	\$ -	\$ 1,290,500.00	\$ 324,717.55	\$ 965,782.45	Rick Whetsel	
PO3464	398	Water Education Foundation	Disadvantaged Communities Grant	07/19/2017	04/30/2020	\$ 150,000.00	\$ -	\$ 150,000.00	\$ 71,552.31	\$ 78,447.69	Rick Whetsel	
MSS504-301-01	504-00	Miller Spatial Services	Geocoding & Business Type Classification	08/24/2017	09/30/2019	\$ 300,000.00	\$ -	\$ 300,000.00	\$ 236,375.98	\$ 63,624.02	Rick Whetsel	
RMC504-401-06	504-04	Woodard & Curran	SARCCUP Program Mgmt Services	07/01/2019	06/30/2020	\$ 229,046.00	\$ -	\$ 229,046.00	\$ -	\$ 229,046.00	Ian Achimore	
RMC504-401-05	504-04	Woodard & Curran	Technical Writing & Outreach Support	10/24/2018	06/30/2020	\$ 37,411.00	\$ -	\$ 37,411.00	\$ 22,645.95	\$ 14,765.05	Mark Norton	

\$ 4,116,914.01

LIST OF SAWPA FUNDS

Fund No.	Fund Description	Fund Group
100-00	General Fund	General
100-03	State Lobbying	General
100-04	Federal Lobbying	General
100-05	Grant Applications	General
130	Proposition 84 – Program Management - Round 1	OWOW
135	Proposition 84 – Program Management – Round 2	OWOW
140	Proposition 84 – Program Management – Drought Round	OWOW
145	Proposition 84 – Program Management – 2015 Round	OWOW
240	Brine Line Enterprise	Brine Line
320-01	Brine Line Protection – Downstream Prado	Capital Projects
320-03	Brine Line Protection Above Prado	Capital Projects
320-04	Brine Line Protection D/S Prado in Riverside County	Capital Projects
326	Reach V Capital Repairs	Capital Projects
327	Reach IV-D Corrosion Repair	Capital Projects
370-01	Basin Planning General	OWOW
370-02	USBR Partnership Studies	OWOW
372	Imported Water Recharge Work Group	Roundtable
373	Watershed Management (OWOW)	OWOW
374	Basin Monitoring Program Task Force	Roundtable
381	Santa Ana River Fish Conservation	Roundtable
384-01	MSAR TMDL Task Force	Roundtable
386	Regional Water Quality Monitoring Task Force	Roundtable
387	Arundo Management & Habitat Restoration	Roundtable
392	Emerging Constituents Task Force	Roundtable
396	Forest First	Roundtable
397	Energy – Water DAC Grant Project	OWOW
398	Proposition 1 - DACI	OWOW
477	LESJWA Administration	Roundtable
504-01	Proposition 84 – Capital Projects Round 1 & 2	OWOW
504-00	Proposition 84 – Drought Capital Projects	OWOW
504-04	Proposition 84 – Final Round SARCCUP	OWOW

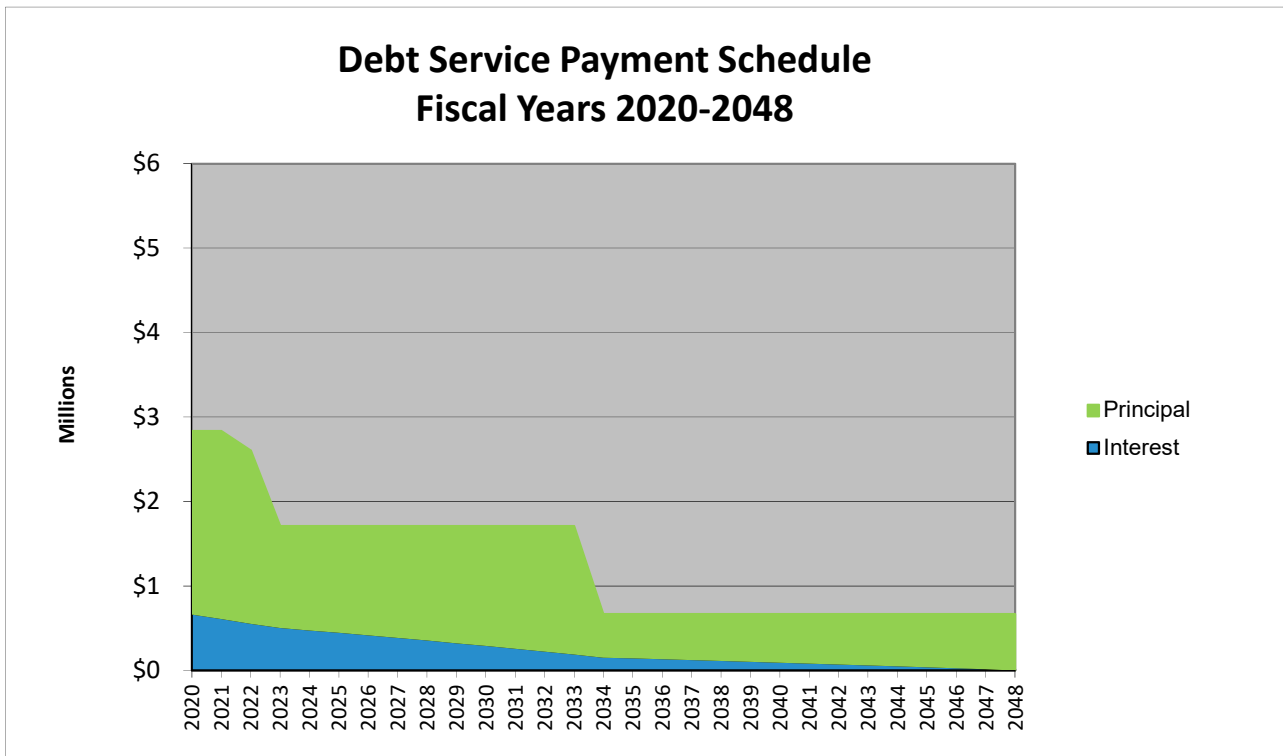
Santa Ana Watershed Project Authority
 Brine Line Debt Service Funding Analysis
 August 31, 2019

FYE	T-Strip Maturity	Capacity Loan Receipts	Rates	Loan Pymts	Interest Earned *	Excess Cash	Ending Cash Balance
	Beginning Balance						4,808,151
2020	395,000	-	1,709,476	(2,835,753)	96,163	(635,115)	4,173,037
2021	-	-	1,709,476	(2,835,753)	83,461	(1,042,817)	3,130,220
2022	-	-	1,709,476	(2,608,439)	62,604	(836,359)	2,293,861
2023	-	-	1,709,476	(1,709,476)	45,877	45,877	2,339,738
2024	-	-	1,709,476	(1,709,476)	46,795	46,795	2,386,533
2025	-	-	1,709,476	(1,709,476)	47,731	47,731	2,434,264
2026	-	-	1,709,476	(1,709,476)	48,685	48,685	2,482,949
2027	-	-	1,709,476	(1,709,476)	49,659	49,659	2,532,608
2028	-	-	1,709,476	(1,709,476)	50,652	50,652	2,583,260
2029	-	-	1,709,476	(1,709,476)	51,665	51,665	2,634,925
2030	-	-	1,709,476	(1,709,476)	52,699	52,699	2,687,624
2031	-	-	1,709,476	(1,709,476)	53,752	53,752	2,741,376
2032	-	-	1,709,476	(1,709,476)	54,828	54,828	2,796,204
2033	-	-	1,709,476	(1,709,476)	55,924	55,924	2,852,128
2034	-	-	665,203	(665,203)	57,043	57,043	2,909,171
2035	-	-	665,203	(665,203)	58,183	58,183	2,967,355
2036	-	-	665,203	(665,203)	59,347	59,347	3,026,701
2037	-	-	665,203	(665,203)	60,534	60,534	3,087,236
2038	-	-	665,203	(665,203)	61,745	61,745	3,148,980
2039	-	-	665,203	(665,203)	62,980	62,980	3,211,959
2040	-	-	665,203	(665,203)	64,239	64,239	3,276,199
2041	-	-	665,203	(665,203)	65,524	65,524	3,341,723
2042	-	-	665,203	(665,203)	66,834	66,834	3,408,557
2043	-	-	665,203	(665,203)	68,171	68,171	3,476,728
2044	-	-	665,203	(665,203)	69,535	69,535	3,546,263
2045	-	-	665,203	(665,203)	70,925	70,925	3,617,188
2046	-	-	665,203	(665,203)	72,344	72,344	3,689,532
2047	-	-	665,203	(665,203)	73,791	73,791	3,763,322
2048	-	-	665,203	(665,203)	75,266	75,266	3,838,589
	395,000	-	33,910,698	(37,062,216)	1,786,956	(969,562)	-

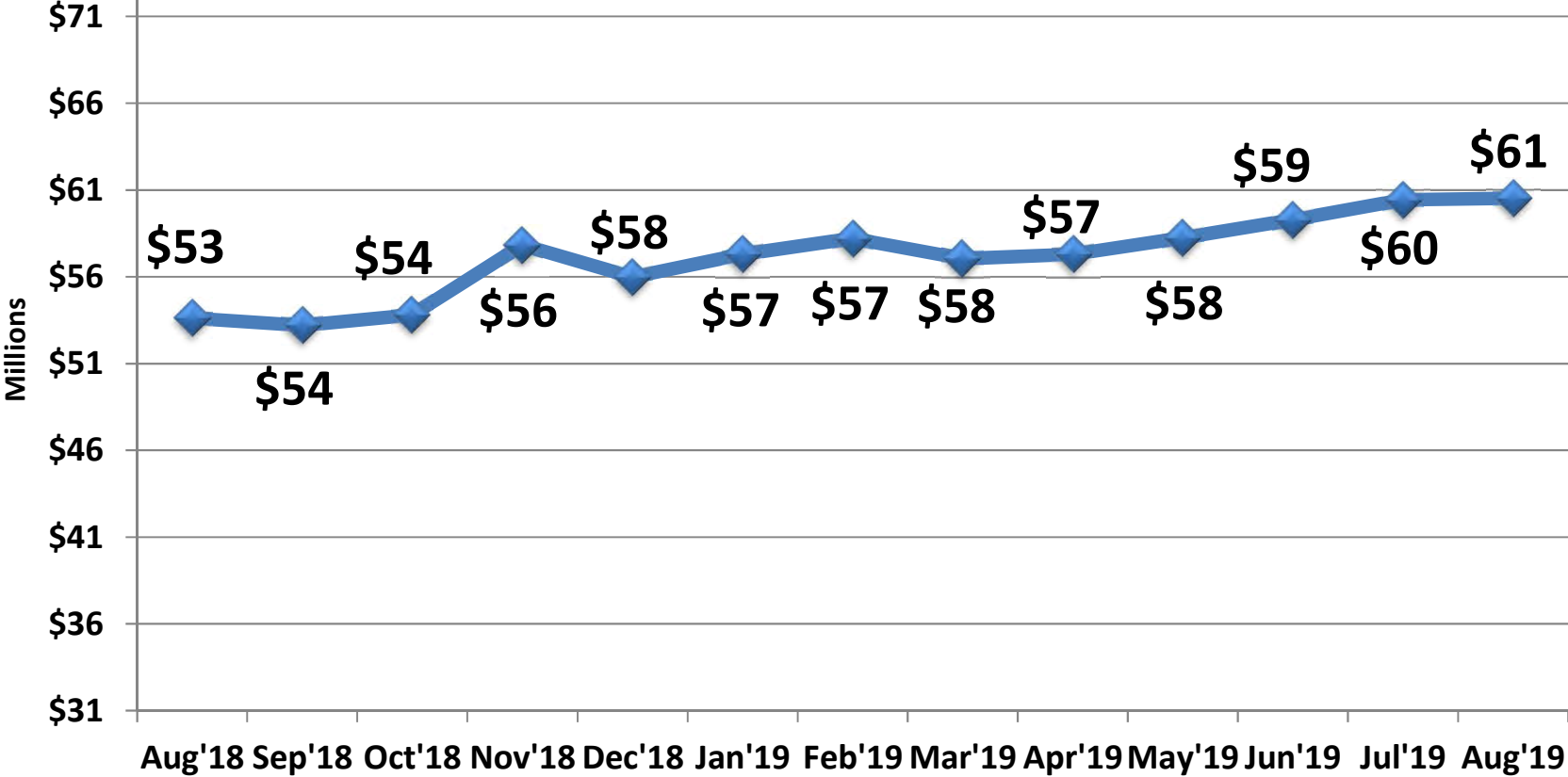
*Interest earned is based on a conservative 2.00% average return over the period

Santa Ana Watershed Project Authority
 Brine Line Debt Service Payment Schedule
 August 31, 2019

FYE	Interest	Principal	Total Payment	New SRF Loan	Remaining Principal
2019	673,477	2,162,276	2,835,753	-	29,847,480
2020	675,214	2,160,539	2,835,753	-	27,686,941
2021	620,782	2,214,971	2,835,753	-	25,471,969
2022	564,959	2,043,480	2,608,439	-	23,428,489
2023	514,301	1,195,175	1,709,476	-	22,233,314
2024	486,080	1,223,395	1,709,476	-	21,009,919
2025	457,181	1,252,295	1,709,476	-	19,757,624
2026	427,585	1,281,891	1,709,476	-	18,475,734
2027	397,276	1,312,199	1,709,476	-	17,163,534
2028	366,237	1,343,239	1,709,476	-	15,820,295
2029	334,449	1,375,027	1,709,476	-	14,445,268
2030	301,894	1,407,582	1,709,476	-	13,037,686
2031	268,553	1,440,923	1,709,476	-	11,596,763
2032	234,407	1,475,068	1,709,476	-	10,121,695
2033	199,437	1,510,039	1,709,476	-	8,611,656
2034	163,621	501,581	665,203	-	8,110,075
2035	154,091	511,111	665,203	-	7,598,964
2036	144,380	520,822	665,203	-	7,078,142
2037	134,485	530,718	665,203	-	6,547,424
2038	124,401	540,801	665,203	-	6,006,622
2039	114,126	551,077	665,203	-	5,455,546
2040	103,655	561,547	665,203	-	4,893,999
2041	92,986	572,217	665,203	-	4,321,782
2042	82,114	583,089	665,203	-	3,738,693
2043	71,035	594,167	665,203	-	3,144,526
2044	59,746	605,457	665,203	-	2,539,069
2045	48,242	616,960	665,203	-	1,922,109
2046	36,520	628,682	665,203	-	1,293,427
2047	24,575	640,627	665,203	-	652,799
2048	12,403	652,799	665,203	-	0



Total Cash & Investments





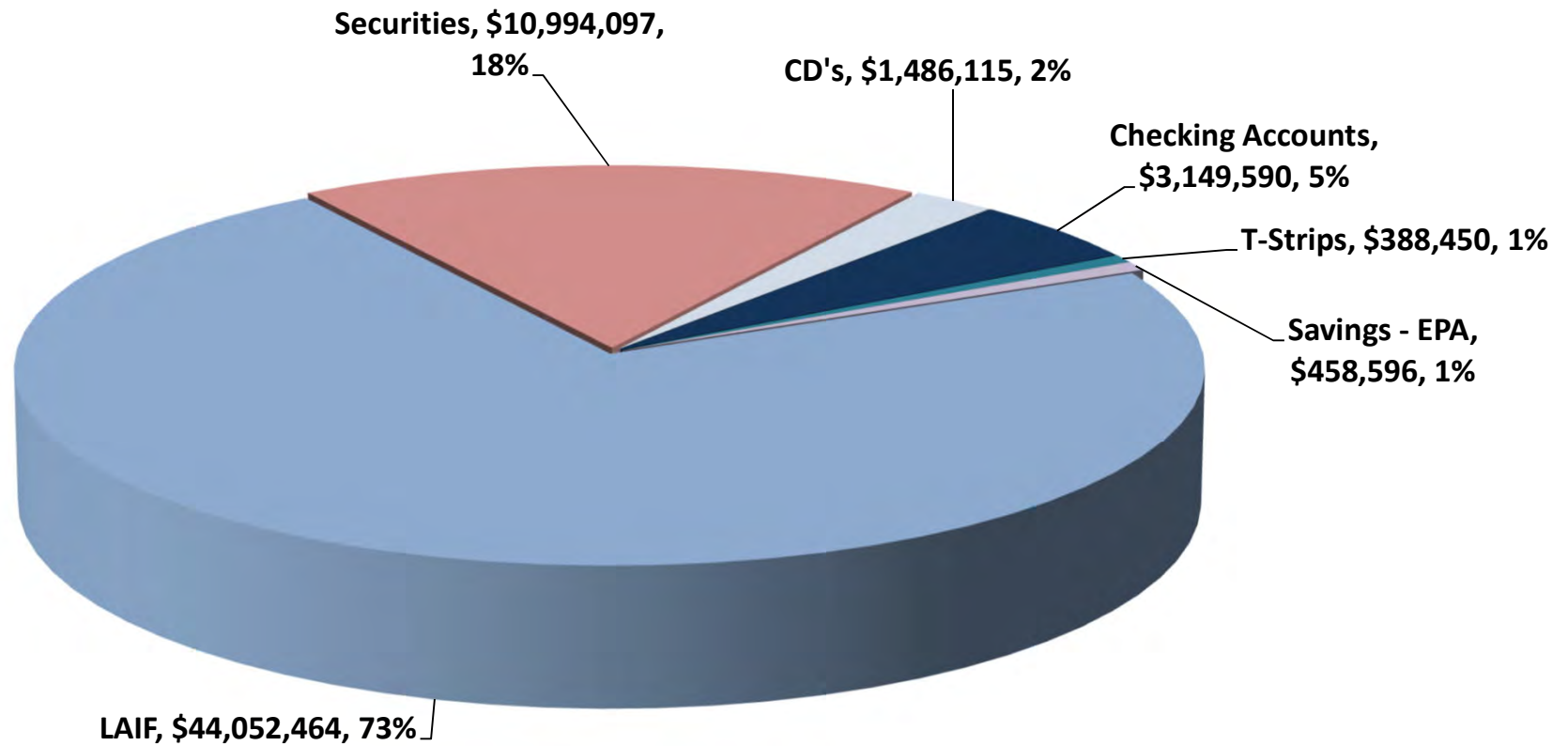
CASH BALANCE & SOURCE OF FUNDS

August 31, 2019

Reserve Accounts		Cash and Investments							
	Total	Checking (Cash)	LAIF Account	Savings EPA	Investment Securities	Certificates of Deposit	Treasury Strips	Total	
100	General Fund	\$ 2,394,372	2,394,372	-	-	-	-	\$ 2,394,372	
100	Building Reserve	\$ 788,885	-	788,885	-	-	-	\$ 788,885	
370	Basin Planning General	\$ 491,641	-	491,641	-	-	-	\$ 491,641	
370	USBR Partnership Studies	\$ 59,618	-	59,618	-	-	-	\$ 59,618	
373	Watershed Management Plan	\$ 658,638	-	658,638	-	-	-	\$ 658,638	
240	Self Insurance Reserve	\$ 4,208,100	-	4,208,100	-	-	-	\$ 4,208,100	
240	Brine Line Debt Retirement	\$ 5,110,688	-	4,722,238	-	-	388,450	\$ 5,110,688	
240	Brine Line - Pipeline Replacement	\$ 21,259,530	-	8,779,318	-	10,994,097	1,486,115	\$ 21,259,530	
240	Brine Line - OCSD Rehabilitation	\$ 3,650,852	-	3,650,852	-	-	-	\$ 3,650,852	
240	Brine Line - Capacity Management	\$ 11,691,357	-	11,691,357	-	-	-	\$ 11,691,357	
240	Brine Line - OCSD Future Capacity	\$ 1,789,985	-	1,789,985	-	-	-	\$ 1,789,985	
240	Brine Line - Flow Imbalance Reserve	\$ 86,513	-	86,513	-	-	-	\$ 86,513	
240	Brine Line - Rate Stabilization Reserve	\$ 1,003,055	-	1,003,055	-	-	-	\$ 1,003,055	
240	Brine Line - Operating Reserve	\$ 3,997,821	755,218	3,242,603	-	-	-	\$ 3,997,821	
401	Legal Defense Fund	\$ 458,596	-	-	458,596	-	-	\$ 458,596	
374	Basin Monitoring Program TF	\$ 547,857	-	547,857	-	-	-	\$ 547,857	
381	SAR Fish Conservation	\$ 124,487	-	124,487	-	-	-	\$ 124,487	
384	Middle SAR TMDL TF	\$ 184,857	-	184,857	-	-	-	\$ 184,857	
386	RWQ Monitoring TF	\$ 284,230	-	284,230	-	-	-	\$ 284,230	
387	Mitigation Bank Credits	\$ 956,762	-	956,762	-	-	-	\$ 956,762	
392	Emerging Constituents TF	\$ 66,542	-	66,542	-	-	-	\$ 66,542	
397	Energy - Water DAC Grant	\$ 218,869	-	218,869	-	-	-	\$ 218,869	
504	Prop 84 - SARCCUP Projects	\$ 496,058	-	496,058	-	-	-	\$ 496,058	
		\$ 60,529,313	\$ 3,149,590	\$ 44,052,464	\$ 458,596	\$ 10,994,097	\$ 1,486,115	\$ 388,450	\$ 60,529,313

Cash & Investments - August 2019

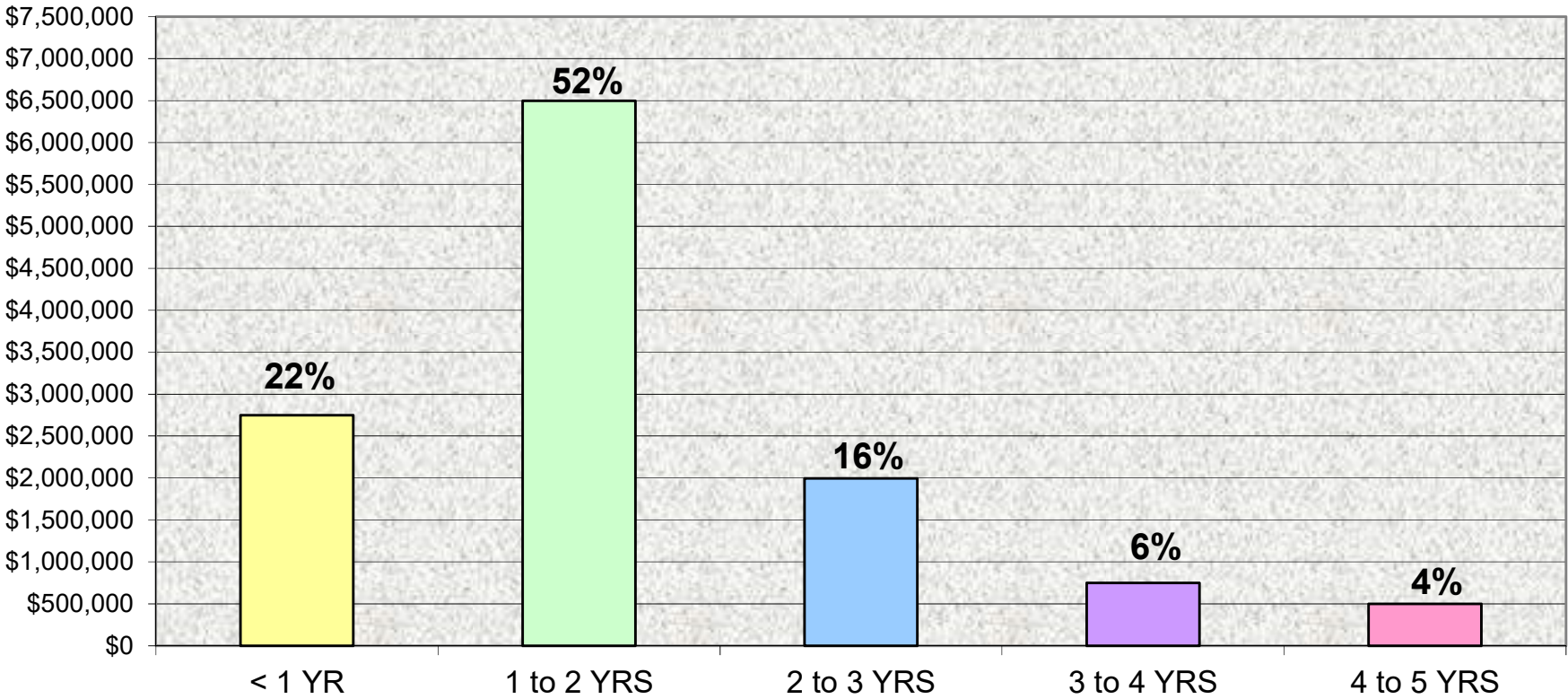
\$60,529,313



Santa Ana Watershed Project Authority
Reserve Account Analysis
August 31, 2019

Reserve Account	Balance @ 6/30/2019	Interest Earned	Fund Contributions	Loan/T-Strip Receipts	Debt Service Payments	Inter-Fund Loans	Fund Expenses	Balance @ 8/31/2019	Estimated Fund Changes	Balance @ 6/30/2020
Brine Line Operating Reserve	4,512,993	23,638	1,940,950				(2,479,760)	3,997,821	-	3,997,821
Flow Imbalance Reserve	85,989	525						86,513	-	86,513
OCSD Future Capacity	1,779,127	10,858						1,789,985	-	1,789,985
Capacity Management	11,620,440	70,917						11,691,357	-	11,691,357
Rate Stabilization Reserve	1,000,000	3,055						1,003,055	-	1,003,055
Pipeline Replacement	21,015,512	44,938	239,246			(40,165)		21,259,530	(3,881,737)	17,377,793
OCSD Rehabilitation	3,628,707	22,145						3,650,852	-	3,650,852
Debt Retirement	4,413,151	24,295	284,792					4,722,238	1,399,663	6,121,901
Self Insurance	4,166,085	25,349	16,667					4,208,100	83,333	4,291,433
General Fund	2,418,254	18,681	677,549			(784,786)	64,674	2,394,372	-	2,394,372
Building Reserve	684,110	4,775	100,000					788,885	-	788,885
	55,324,368	249,175	3,259,203	-	-	(824,952)	(2,415,086)	55,592,709	(2,398,741)	53,193,968

Twelve Month Maturity Schedule Securities



SAWPA
TREASURER'S REPORT
As of August 31, 2019

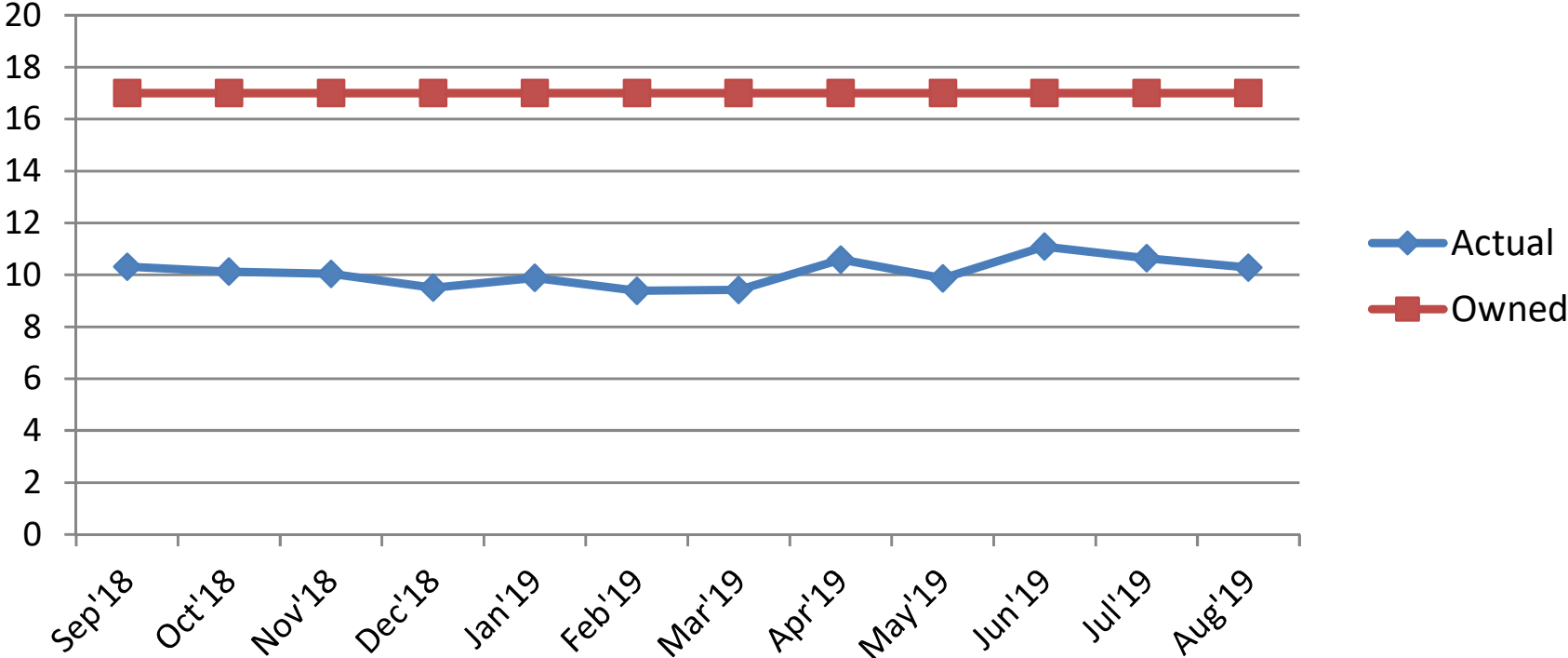
Investment T-Strips
Safekeeping US Bank

T-STRIPS	Debt	Purchase Date	Maturity Date	PAR	Cost	Initial Discount	Current Discount	Book Value	Market Value	Interest Rate
USB	TVRI	02/11/2000	05/15/2020	395,000.00	111,030.55	283,969.45	40,451.91	354,548.09	388,450.11	6.36%
				\$ 395,000.00	\$ 111,030.55	\$ 283,969.45	\$ 40,451.91	354,548.09	\$ 388,450.11	6.36%

Investment Commercial
Safekeeping US Bank

Type	Security	Purchase Date	Maturity Date	Unit Cost	Cost	Principal	Current Value	Market Value	Interest Rate
Agency	FHLMC	9/16/2016	8/12/2021	100.00	\$ 990,060.00	\$ 1,000,000.00	\$ 1,000,000.00	992,285.00	1.125%
Agency	FHLMC	4/17/2017	1/13/2022	102.55	\$ 512,767.00	\$ 500,000.00	\$ 500,000.00	509,393.00	2.375%
Agency	FHLB	6/16/2016	6/12/2020	102.61	\$ 1,026,088.00	\$ 1,000,000.00	\$ 1,000,000.00	999,090.00	1.750%
Agency	FHLB	12/14/2017	6/10/2022	99.89	\$ 998,930.00	\$ 1,000,000.00	\$ 1,000,000.00	1,016,188.00	2.125%
Agency	FNMA	12/28/2015	12/28/2020	100.21	\$ 1,002,140.00	\$ 1,000,000.00	\$ 1,000,000.00	1,002,698.00	1.875%
Agency	FNMA	6/16/2016	11/30/2020	101.52	\$ 1,015,157.00	\$ 1,000,000.00	\$ 1,000,000.00	997,414.00	1.500%
Agency	USTN	11/17/2015	10/31/2020	100.00	\$ 1,005,312.50	\$ 1,000,000.00	\$ 1,000,000.00	1,000,156.00	1.750%
Agency	USTN	11/17/2015	11/30/2019	100.00	\$ 1,001,210.94	\$ 1,000,000.00	\$ 1,000,000.00	998,594.00	1.500%
Agency	USTN	6/17/2016	8/31/2020	101.13	\$ 507,070.31	\$ 500,000.00	\$ 500,000.00	497,969.00	1.375%
Agency	USTN	6/16/2016	9/30/2020	101.12	\$ 506,992.19	\$ 500,000.00	\$ 500,000.00	497,890.50	1.375%
Agency	USTN	6/16/2016	10/31/2020	101.12	\$ 506,914.06	\$ 500,000.00	\$ 500,000.00	497,929.50	1.375%
Agency	USTN	12/14/2017	7/31/2021	96.91	\$ 969,062.50	\$ 1,000,000.00	\$ 1,000,000.00	991,914.00	1.125%
CORP	Apple Inc.	10/15/2018	5/3/2023	95.98	\$ 479,898.50	\$ 500,000.00	\$ 500,000.00	510,264.50	2.400%
CORP	Toyota Motor Credit Corp.	10/15/2018	9/20/2023	99.55	\$ 497,747.50	\$ 500,000.00	\$ 500,000.00	529,226.50	3.450%
CD	Ally Bank	4/20/2017	4/20/2020	100.00	\$ 248,000.00	\$ 248,000.00	\$ 248,000.00	248,264.29	1.800%
CD	American Exp Centurion	4/19/2017	4/19/2021	100.00	\$ 248,000.00	\$ 248,000.00	\$ 248,000.00	248,000.00	2.250%
CD	American Express BK FSB	5/10/2017	5/10/2021	100.00	\$ 248,000.00	\$ 248,000.00	\$ 248,000.00	248,000.00	2.200%
CD	Sallie Mae BK SLT	7/1/2019	6/27/2022	100.00	\$ 247,000.00	\$ 247,000.00	\$ 247,000.00	247,000.00	2.250%
CD	Morgan Stanley Bank NA	7/5/2019	7/5/2022	100.00	\$ 247,000.00	\$ 247,000.00	\$ 247,000.00	247,000.00	2.200%
CD	Goldman Sachs Bank USA	12/20/2017	12/20/2022	100.00	\$ 248,000.00	\$ 248,000.00	\$ 248,000.00	248,000.00	2.500%
					\$12,505,350.50	\$ 12,486,000.00	\$ 12,486,000.00	12,527,276.29	1.915%

Average Daily Flow by Month





SUMMARY OF LABOR MULTIPLIERS

		Benefit Rate
Total Employee Benefits	236,838	0.336
Total Payroll	704,680	
Gross Indirect Costs	665,382	
Less: Member Contributions & Other Revenue	(75,000)	
Indirect Costs for Distribution	590,382	
		Indirect Rate
Direct Labor	357,038	1.654
Indirect Costs	590,382	

FY 2019-20 Labor multiplier - thru 08/31/19	1.990
FY 2019-20 Budgeted Labor multiplier	<u>1.961</u>
FY 2018-19 Labor multiplier	<u>2.059</u>
FY 2017-18 Labor multiplier	<u>1.990</u>
FY 2016-17 Labor multiplier	<u>1.901</u>
FY 2015-16 Labor multiplier	<u>2.073</u>



INDIRECT COSTS

(to be Distributed)

<u>G/L Acct.</u>	<u>Description</u>	<u>Actual thru</u> <u>8/31/19</u>
51000	Salaries - Regular	\$ 347,642
52000	Benefits	\$ 158,525
60111	Tuition Reimbursement	\$ -
60112	Training	\$ 1,612
60113	Education	\$ -
60114	Other Training & Education	\$ 269
60120	Audit Fees	\$ 7,500
60121	Consulting	\$ 9,029
60126	Temporary Services	\$ 5,839
60128	Other Professional Services	\$ 700
60129	Other Contract Services	\$ -
60130	Legal Fees	\$ 2,731
60133	Employment Recruitment	\$ 556
60153	Materials & Supplies	\$ -
60154	Safety	\$ 4,875
60155	Security	\$ 572
60156	Custodial Contract Services	\$ 3,168
60157	Landscaping Maintenance	\$ 1,730
60158	HVAC	\$ 3,001
60159	Facility Repair & Maintenance	\$ 7,728
60160	Telephone	\$ 2,348
60161	Cellular / Paging Services	\$ 1,917
60163	Electricity	\$ 3,760
60164	Water Services	\$ 2,012
60170	Equipment Expensed	\$ 446
60171	Equipment Rented	\$ 6,237

(Continued - next column)

<u>G/L Acct.</u>	<u>Description</u>	<u>Actual thru</u> <u>8/31/19</u>
60172	Equipment Repair / Maintenance	\$ 667
60180	Computer Hardware	\$ 386
60181	Software / Updates / Licensing	\$ 47,493
60182	Internet Services	\$ 2,037
60183	Computer Supplies	\$ 483
60184	Computer Repair / Maintenance	\$ -
60190	Offsite Meeting / Travel Expense	\$ 81
60191	In House Meetings	\$ -
60192	Conference Expense	\$ 1,008
60193	Car, Repair, Maint	\$ -
60200	Dues	\$ 1,687
60202	Subscriptions	\$ -
60203	Contributions	\$ 10,000
60210	Bank Charges	\$ -
60211	Shipping / Postage	\$ 172
60212	Office Supplies	\$ 1,035
60213	Offsite Storage	\$ 338
60220	Commission Fees	\$ 2,520
60221	Commission Mileage Reimb.	\$ 390
60222	Other Commission Expense	\$ -
60230	Other Expense	\$ 2,033
60240	Building Lease	\$ 765
81010	Retiree Medical Expense	\$ 5,732
80001	Insurance Expense	\$ 7,269
80000	Building Repair/Replacement Reserve	\$ 9,091
13005	Fixed Assets	\$ -

Total Costs \$ 665,382

Direct Costs Paid by Projects	\$ 226,573
Member Contribution Offset	\$ 75,000
	\$ 301,573

Over allocation %	-61.6%
Over (Under) Allocation of General Fund Costs	\$ (363,808)



BENEFITS SUMMARY

(Distributed based on Actual Labor)

<u>G/L Acct</u>	<u>Description</u>	<u>Budget</u>	<u>Actual @ 8/31/19</u>	<u>Projected FYE 2020</u>
70101	FICA Expense	200,498 \$	30,008 \$	180,049
70102	Medicare Expense	56,208 \$	8,362 \$	50,174
70103	State Unemployment Insurance	4,900 \$	-	4,900
70104	Worker's Compensation Insurance	43,068 \$	1,781 \$	40,000
70105	State Disability Insurance	29,183 \$	4,175 \$	25,053
70106	PERS Pension Plan	701,014 \$	101,405 \$	700,000
70111	Medical Expense	578,078 \$	71,375 \$	550,000
70112	Dental Expense	34,765 \$	4,477 \$	26,861
70113	Vision Insurance	8,268 \$	1,136 \$	6,814
70114	Life Insurance Expense	15,871 \$	2,452 \$	14,710
70115	Long Term Disability	18,502 \$	2,767 \$	16,599
70116	Wellness Program Expense	3,500 \$	400 \$	3,500
70117	401a Profit Sharing - Employers Contribution	-	-	-
70120	Car Allowance	51,000 \$	8,500 \$	51,000
	Total Benefits	1,744,854	236,838	1,669,660
	Total Payroll	3,825,402 \$	704,680 \$	3,427,505
	Benefits Rate	45.6%	33.6%	48.7%

Santa Ana Watershed Project Authority
Labor Hours Budget vs Actual
Month Ending August 31, 2019

	Fund	Budget	Actual	%
100	General & Administrative	25,622	5,840	22.79%
135	Prop 84 Round 2 Administration	320	64	19.84%
140	Prop 84 2014 Drought Administration	685	310	45.26%
145	Prop 84 Final Round Administration	2,020	120	5.92%
240	Brine Line Enterprise	21,925	2,652	12.09%
320	Brine Line Protection	695	3	0.36%
327	Reach IV-D Corrosion Repairs	320	7	2.03%
370-01	General Basin Planning	1,715	187	10.92%
370-02	USBR Partnership Studies	90	28	31.11%
373	Watershed Management Plan	1,945	222	11.40%
374	Basin Monitoring Program	443	56	12.64%
381	SAR Fish Conservation	220	28	12.50%
384-01	Chino TMDL Facilitation	175	31	17.71%
386MONIT	Storm Water Quality Standards TF	155	36	22.90%
387	Arundo Removal & Habitat Restoration	175	-	0.00%
392	Emerging Constituents	45	17	38.33%
397EXPAN	Water-Energy WVWD Administration	-	1	100.00%
398ADMIN	DACI Grant	3,650	374	10.25%
477-02	LESJWA - Administration	320	66	20.63%
477TMDL	LESJWA - TMDL Task Force	625	146	23.36%
504-301A	Prop 84 2014 Drought Implementation	100	42	42.25%
504-301C	Prop 84 2014 Drought Implementation	110	93	84.09%
504-401I	Prop 84 Final Round Implementation	335	13	3.73%
504-401PA23	Prop 84 Final Round Implementation	660	5	0.68%
504-401WUEAMDIN	Prop 84 Final Round Implementation	295	-	0.00%
504-402RATES	Prop 84 Final Round Implementation	-	-	0.00%
504-402SMART	Prop 84 Final Round Implementation	395	-	0.00%
		63,040	10,337	16.40%

Note: Should be at 16.67% of budget for 2 months



Santa Ana Watershed Project Authority
 General Manager - Expense Report
 4th Quarter FYE 2019

Staff	Haller
-------	--------

Sum of Amount		Expn Type						
Posting Date	Activity	Airfare	Hotel	Meals	Misc	Parking	Registration	Grand Total
04/30/2019	ACWA Conference	290.96						290.96
	Meeting with Keith London			40.74				40.74
	OC Water Summit						130.00	130.00
04/30/2019 Total		290.96		40.74			130.00	461.70
05/31/2019	ACWA Conference		521.46		52.00	37.04		610.50
05/31/2019 Total			521.46		52.00	37.04		610.50
06/30/2019	OC Water Summit		215.13					215.13
06/30/2019 Total			215.13					215.13
Grand Total		290.96	736.59	40.74	52.00	37.04	130.00	1,287.33



Santa Ana Watershed Project Authority

Staff - Expense Report

4th Quarter FYE 2019

Sum of Amount			Expn Type							
Staff	Posting Date	Activity	Airfare	Hotel	Meals	Mileage	Misc	Parking	Registration	Grand Total
Achimore	04/30/2019	ASCE Legislative day						10.00		10.00
		OWOW conference parking						8.00		8.00
		UCI Meeting				17.23				17.23
Achimore Total						17.23		18.00		35.23
Berry	04/30/2019	OWOW conference parking						8.00		8.00
	03/31/2019	Meeting refreshments					25.71			25.71
Berry Total							25.71	8.00		33.71
Blancas	04/30/2019	Commission meeting goods						42.45		42.45
		OCSD/SAWPA meeting			43.74					43.74
		OWOW conference parking						8.00		8.00
	06/30/2019	Prop84 lunch meeting			61.54					61.54
Blancas Total							34.96	8.00		190.69
Gilbert	03/31/2019	Offsite meeting				36.37				36.37
	06/30/2019	Offsite meeting				52.67				52.67
Gilbert Total						89.04				89.04
Lewis	03/31/2019	CSMFO Chapter meeting Registration							30.00	30.00
Lewis Total									30.00	30.00
McKenney	04/30/2019	ACWA IRWM Subcommittee					37.52			37.52
	06/30/2019	ACWA IRWM meeting					45.60			45.60
		ACWA IRWM Southwest Sacramento Lobbying trip	440.96							440.96
McKenney Total							83.12			816.04
Norton	04/30/2019	ASCE Legislative day	131.96	204.30				25.00		361.26
		MSSC Board meeting	364.93							364.93
		OWOW conference parking						8.00		8.00
	03/31/2019	ASCE Awards Banquet					40.00			40.00
		ASCE Legislative day					42.82	22.00		64.82
Norton Total			157.96	305.14			33.00			338.14

Norton	03/31/2019	OC Water Summit registration						150.00	150.00	
		Sacramento meeting		17.68					17.68	
	06/30/2019	ASCE Legislative day				40.00	11.00		51.00	
Norton Total			654.85	509.44	17.68	147.82	74.00	150.00	1,553.79	
Patterson	04/30/2019	Commission meeting goods				31.44			31.44	
		OWOW conference breakfast		69.84					69.84	
	03/31/2019	Admin lunch meeting		31.53					31.53	
		Commission meeting goods				31.51			31.51	
Patterson Total				101.37		62.95			164.32	
Ruhl	04/30/2019	OWOW conference parking					8.00		8.00	
	03/31/2019	OCSD meeting toll				4.65			4.65	
		OCSD/SAWPA meeting		64.50					64.50	
Ruhl Total				64.50		4.65	8.00		77.15	
Stewart	04/30/2019	OWOW conference parking					8.00		8.00	
Stewart Total							8.00		8.00	
Villa	04/30/2019	GM meeting goods				26.07			26.07	
		Meeting goods				24.96			24.96	
	03/31/2019	GM meeting goods				28.57			28.57	
		OWOW Steering committee		380.84					380.84	
		TMDL lunch meeting		147.50					147.50	
	06/30/2019	Commission meeting goods				38.54			38.54	
		DCI Program meeting		384.75					384.75	
		GM meeting goods				20.97			20.97	
		Supplies for GM meeting					6.44		6.44	
		Supplies for meeting					2.20		2.20	
Water Intership meeting			89.52					89.52		
Villa Total			1,002.61	8.64	139.11			1,150.36		
Whetsel	04/30/2019	SBVMWD meeting				21.92			21.92	
	03/31/2019	TMDL meetings				56.61			56.61	
	06/30/2019	LE/CL Budget workshop				14.85			14.85	
Whetsel Total						93.38		93.38		
Williams	04/24/2019	CGFM Quartlery meeting		6.29					6.29	
	04/30/2019	CMTA Conference		802.62					802.62	
		OWOW conference parking					8.00		8.00	
	03/31/2019	CSMFO Chapter meeting Registration					30.00		30.00	
	06/30/2019	Meeting Parking					16.00		16.00	
		OWOW Conference supplies				9.65			9.65	
		Sacramento Lobbying trip	455.96						455.96	
Taxi ride & transit pass					23.58			23.58		
Williams Total			455.96	802.62	6.29	33.23	24.00	30.00	1,352.10	
Grand Total			1,843.73	1,312.06	1,297.73	208.29	574.00	148.00	210.00	5,593.81

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General Manager's Report

October 2019

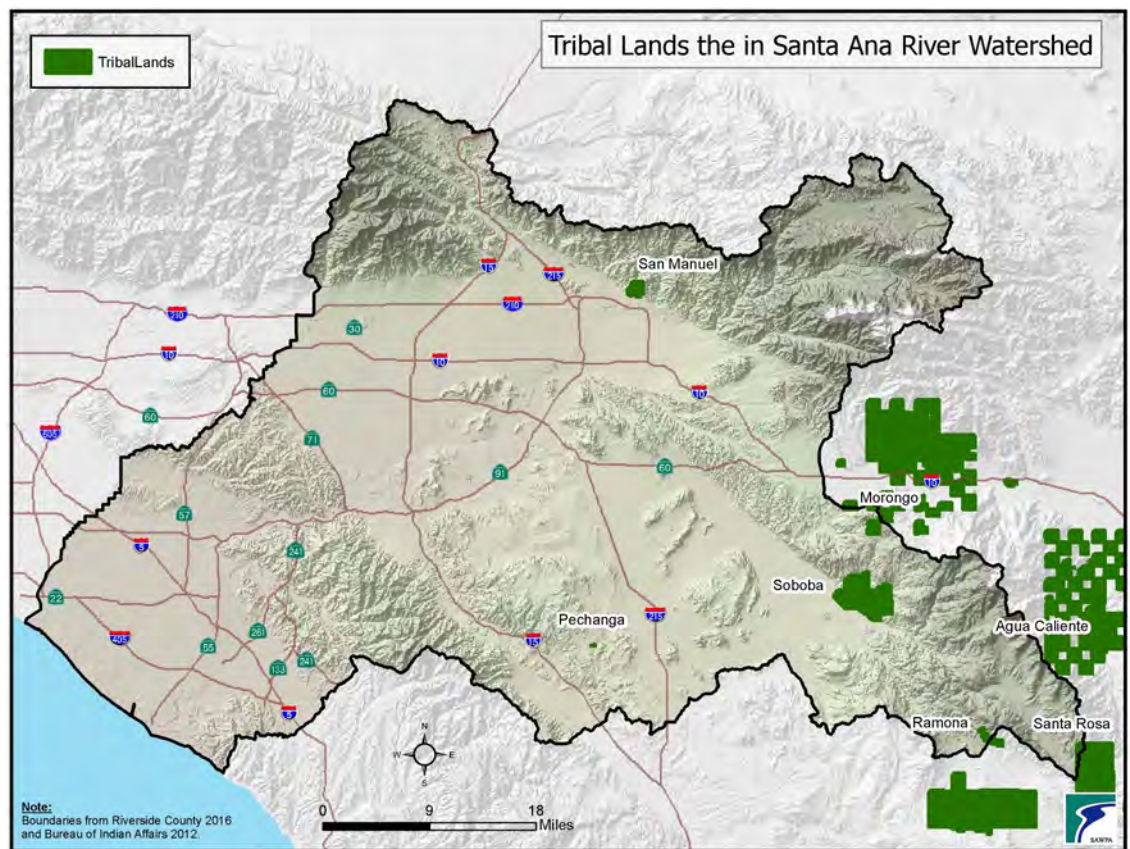
Santa Ana Watershed Project Authority | 11615 Sterling Avenue, Riverside, CA 92503 | www.sawpa.org

INSIDE THE OCTOBER REPORT

- 1 Native Tribes in the Santa Ana River Watershed
- 2 Treatment of Brine Through Chemistry: Lessons Learned
- 3 Brine Line Emergency Preparedness: HAM Radios
- 4 Reach 4B Lower Access Road within Prado Basin
- 5 CMTA Investment Policy Certification Program

Native Tribes in the Santa Ana River Watershed

The Native American Heritage Commission has identified over 40 Native American tribes or tribal families with claims to ancestry or ancestral lands in the Santa Ana River Watershed - the vast majority of which do not have reservations or defined tribal lands but will be part of the SAWPA Tribal outreach. There are seven federally recognized tribes among the native tribes with reservation lands located in the watershed as shown on the map below, which include: Agua Caliente, Morongo, Pechanga, Ramona, San Manuel, Santa Rosa, and Soboba. Only the San Manuel and Soboba tribes appear to be significant in terms of water and water infrastructure.





Treatment of Brine Through Chemistry: Lessons Learned

Carlos Quintero, P.E., SAWPA Operations Manager, is listed as a co-author in a paper to be presented at the International Desalination Association World Congress to be held in Dubai, UAE on October 22, 2019. The title is “Treatment of Brine Through Chemistry: Lessons Learned” and it focuses in part on the efforts to control scaling on Reach 4B Upper of the Brine Line. The main author is Amy Nowlin from King Lee Chemicals.

Brine Line Emergency Preparedness: Ham Radios

As part of the Brine Line Emergency Preparedness efforts, SAWPA now has the ability to communicate with field staff using ham radios. Communications via ham radio do not require an Internet or cell signal. A base station has been set up at the SAWPA office and currently two vehicles have the equipment to communicate using this technology.

Reach 4B Lower Access Road within Prado Basin

The Reach 4B Lower access road within Prado basin suffered erosion due to what appears to be changes in hydrology as a result of the Alcoa Dike haul route. Staff spent about eight hours restoring the road. SAWPA does not believe that it would be cost effective to request reimbursement from FEMA/CalOES as part of the Disaster Declaration DR-4431 for damages that occurred between February 13 and February 15, 2019. Additionally, photographic records show that during the disaster declaration period, the portion of the eroded road was already under water.


CMTA Investment Policy Certification Program

On September 19, 2019, SAWPA was issued an Investment Policy Certification from the California Municipal Treasurers Association (CMTA). The CMTA certifies that SAWPA’s investment policy complies with the current State statues governing the investment practices of local government entities located within the State of California.

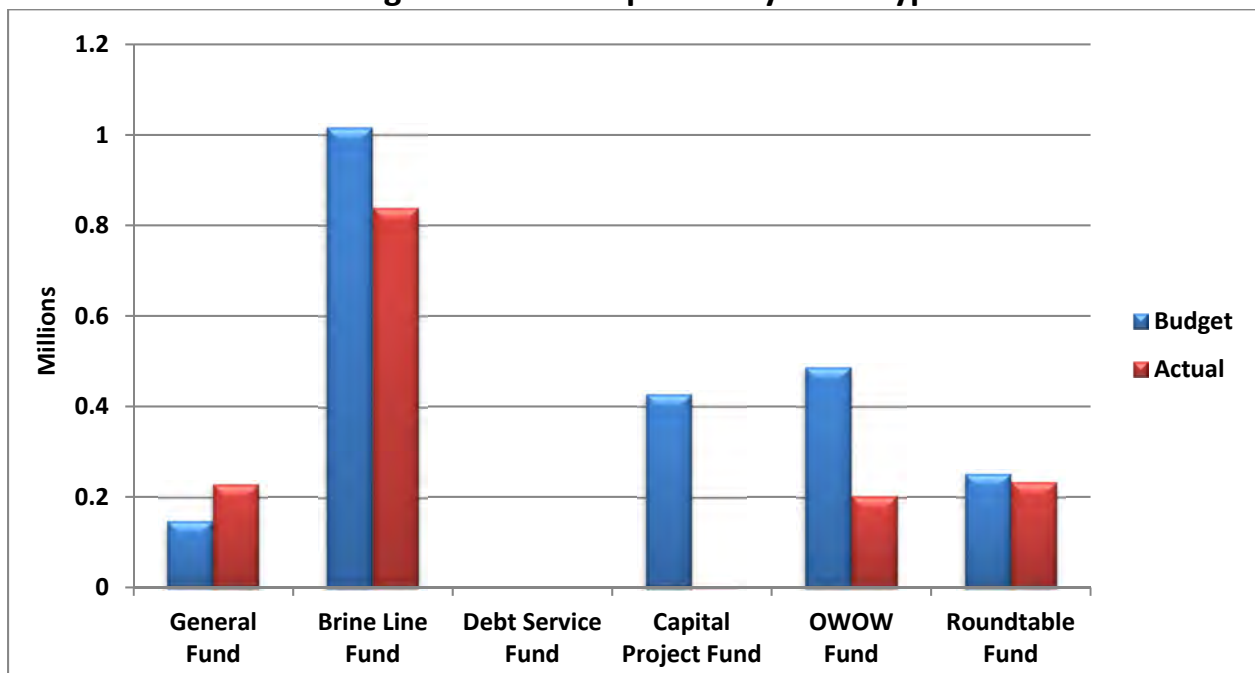
**Santa Ana Watershed Project Authority
Executive Financial Information Report
July 2019**

Staff comments provided on the last page are an integral part of this report.

Overview	This report highlights the agency's key financial indicators for the Fiscal Year-to-Date (FYTD) through July 2019 unless otherwise noted.
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Budget to Actual Expenses by Fund Type				 Favorable
	Annual Budget	FYTD Budget	FYTD Actual	Favorable (Unfavorable) Variance
General Fund	\$676,966	\$148,081	\$228,144	(\$80,063)
Brine Line Enterprise	11,532,103	1,016,009	838,508	177,501
Debt Service Fund	2,835,027	-	-	-
Capital Project Fund	5,118,134	426,511	2,026	424,485
OWOW Fund	6,121,416	485,940	203,225	282,715
Roundtable Fund	1,563,456	251,603	233,183	18,420
Total	\$27,847,103	\$2,328,145	\$1,505,086	\$823,058

Budget to Actual Expenses by Fund Type



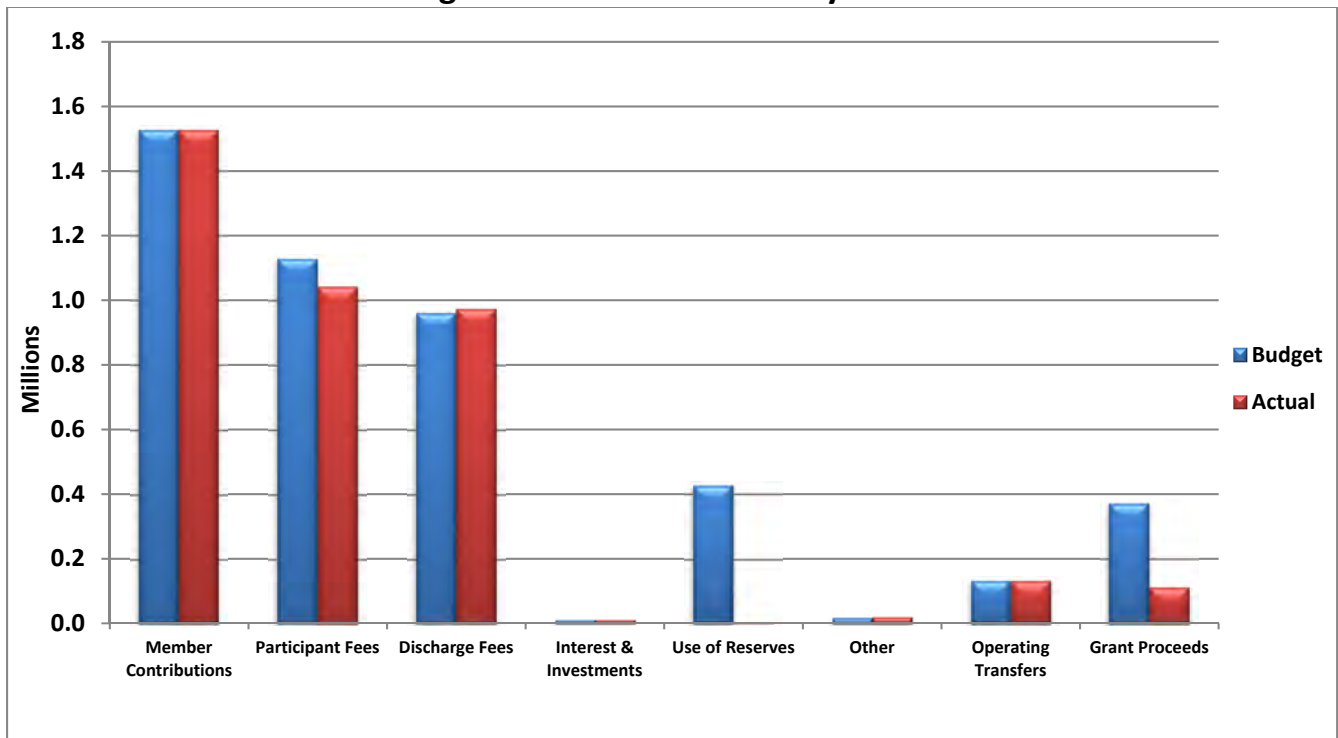
Budget to Actual Revenues by Source



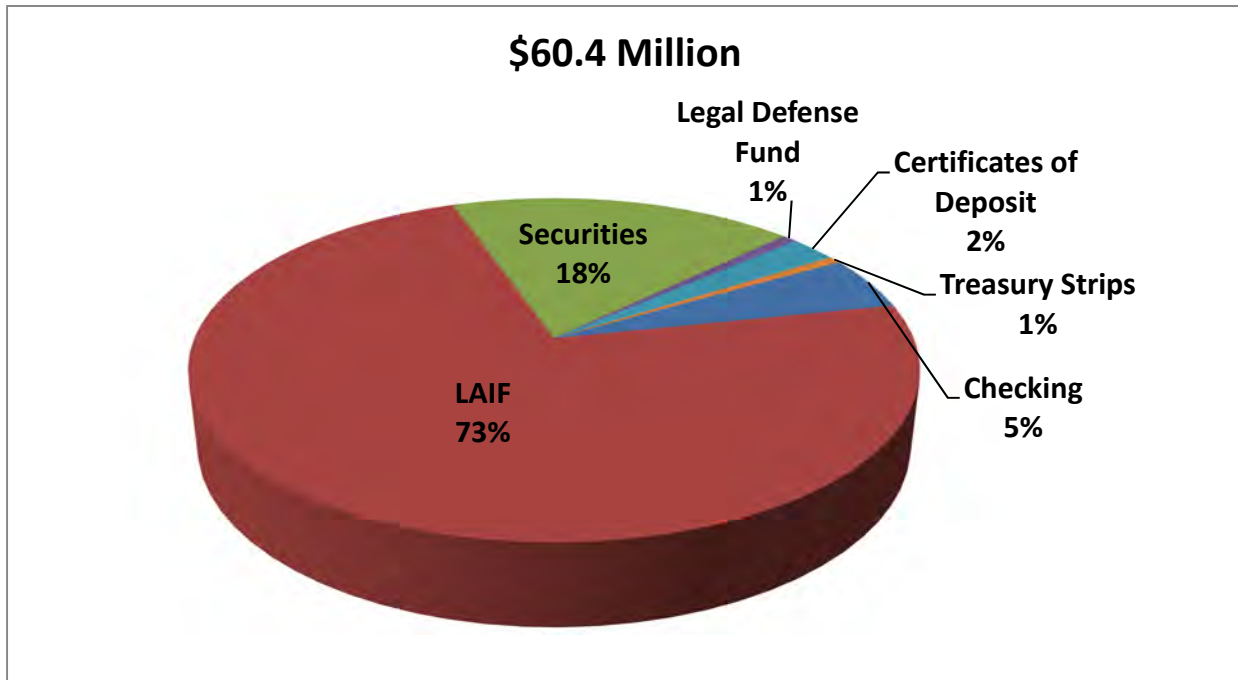
Concern

	Annual Budget	FYTD Budget	FYTD Actual	Favorable (Unfavorable) Variance
Member Contributions	\$1,526,966	\$1,526,966	\$1,526,966	\$-
Participant Fees	1,751,232	1,128,574	1,042,882	85,692
Discharge Fees	11,532,103	961,008	973,971	12,963
Interest & Investments	1,045,000	12,500	11,486	(1,014)
Use of Reserves	6,908,161	426,511	2,026	(424,485)
Other	205,186	17,099	20,127	3,028
Operating Transfers	132,344	132,344	132,344	-
Grant Proceeds	4,658,908	370,687	113,283	(257,404)
Total	\$27,759,900	\$4,575,688	\$3,823,085	(\$752,603)

Budget to Actual Revenues by Source



Total Cash & Investments - July







Reserve Fund Balance - July

	Amount
General Fund	\$2,800,510
Building Fund	788,885
Legal Defense Fund	458,596
OWOW Fund	1,833,227
Roundtable Fund	2,050,413
Self Insurance	4,199,767
Debt Retirement	4,968,292
Pipeline Replacement	21,178,046
OCSD Rehabilitation	3,650,852
Capacity Management	11,691,357
Future Capacity	1,789,985
Rate Stabilization	1,003,055
Flow Imbalance	86,513
Brine Line Operating	3,938,968
Total Reserves	\$60,438,467

Legend

Compared to Budget

	Ahead or Favorable	Above +5% Favorable Revenue or Expense Variance
	On Track	+5% to -2% Variance
	Behind	-3% to -5% Variance
	Concern	Below -5% Variance

Staff Comments

For this month's report, the item(s) explained below are either "behind", a "concern", or have changed significantly from the prior month.

- 1) Total revenues are 19.7% below budget. Since this is the first month of the FYE 2020 Budget, projects tend to start out slowly. It is anticipated that all projects will be on track with the budget at the end of the fiscal year.



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SEP 26 2019

SANTA ANA WATERSHED
PROJECT AUTHORITY

19 September 2019

Santa Ana Watershed Project Authority
Karen Williams
11615 Sterling Avenue
Riverside, CA 92503

Dear Karen,

Congratulations on your successful completion of the California Municipal Treasurers Association's Investment Policy Certification program.

Your Policy was reviewed by a team of three reviewers from the Investment Policy Certification committee. The Policy received a passing score of 85 or higher based on CMTA's criteria for Investment Policies.

The certificate is enclosed and on behalf of the California Municipal Treasurers Association, I wish to personally thank you for supporting CMTA.

Don't forget next year's CMTA conference will be held April 22-24, 2020. I am personally looking forward to seeing you there.

Sincerely,

Shaun L. Farrell
Investment Policy Certification Chairperson

California Municipal Treasurers Association



Investment Policy Certification

Issued on 9/19/2019



Santa Ana Watershed Project Authority

The California Municipal Treasurers Association certifies that the investment policy of the Santa Ana Watershed Project Authority complies with the current State statutes governing the investment practices of local government entities located within the State of California.



President

9/19/2019

Date



October 7, 2019

To: Santa Ana Watershed Project Authority

From: Michael Boccadoro
Beth Olhasso
Maddie Munson

RE: September Report

Overview:

Water supply conditions continue to be well above normal for this time of the year. While most major reservoir levels are declining, they remain at or above historical averages for this time of year.

The Endangered Species Act is grabbing a lot of headlines lately. The Trump Administration released new regulations implementing the law that have generated opposition from environmentalists while garnering support from some water user and agricultural groups.

At the California Fish and Game Commission, water users continue to work towards to adoption of a much-needed Delta Fisheries Management policy and amendment of the outdated Striped Bass policy. While Commission bureaucracy is slow moving, progress is being made with staff and the vocally opposed angling community. The new Biological Opinions are scheduled to be released October 11.

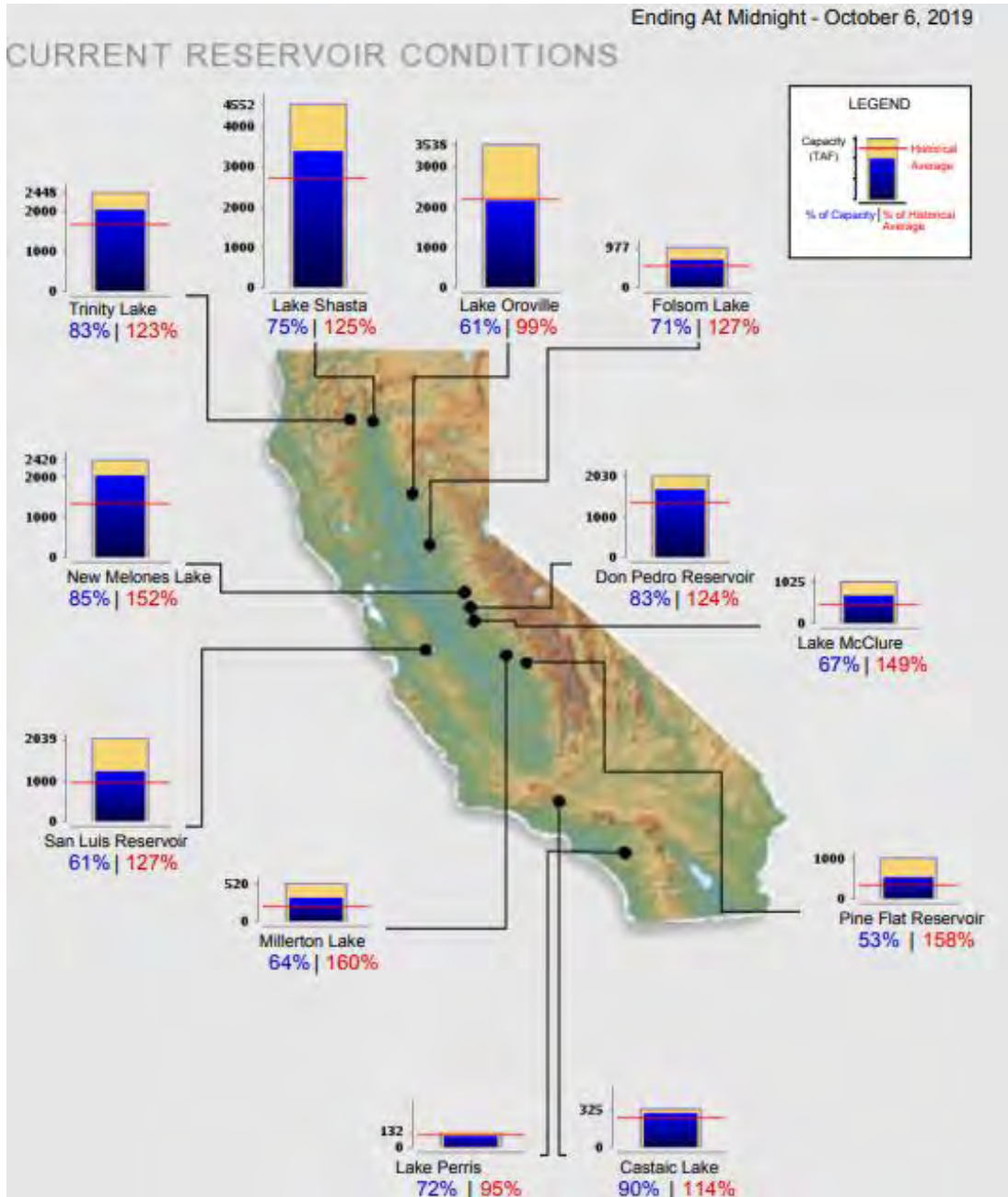
A subcommittee of the Senate Utilities, Energy and Communications committee recently held an informational hearing grilling the CPUC and the IOUs on the increasingly wide-spread use of Public Safety Power Shutoffs. Several legislative proposals addressing PSPS and various other aspects of the response to recent catastrophic wildfires became two-year bills at the end of session. Among these proposals are efforts by PG&E to fund their mounting liability.

Finally, the Legislative Session is officially over for the year, with the Legislature sending the Governor over 720 bills in the final days of the session. Included in the stack of bills sent to the Governor's was SB 1 (Atkins). The pro Tem chose to not take amendments offered by the administration that would have likely removed the concerns of the opposition coalition regarding the Endangered Species Act and the Voluntary Agreements. While the bill passed both houses, the Governor vetod the bill because of the impacts it would have on the Voluntary Agreements.

Santa Ana Watershed Project Authority Status Report – September 2019

Water Supply Conditions

Summer is typically the highest water use months of the year, so it is not surprising to see the levels of many of the major reservoirs decline slightly. However, all major reservoirs continue to sit at or above average levels for this time of the year.



Trump Administration Announces Revised Endangered Species Act Regulations

The Trump Administration has released controversial changes to the Endangered Species Act implementing regulations after signaling impending revisions last year. The administration has characterized the changes as improvements that will help to expedite the rehabilitation of endangered and threatened species, but environmentalists groups have passionately disagreed. In summary, the new regulations make the following changes:

- Species will be added to the threatened or endangered list “based solely on the best available scientific and commercial information.”
- Wildlife is deemed threatened when it's at risk of becoming endangered in the "foreseeable future,” taking into consideration only future factors that are deemed "likely," not just possible.
- Requiring separate protections and plans for threatened species, rather than applying the same protections as species listed as endangered.
- Greater consideration of economic impacts.
- When designating critical habitat, officials would have to consider protecting areas already occupied by the species before considering unoccupied habitat.

Specifically, opponents criticize the new regulations for favoring economic considerations and giving less weight on climate change modeling.

The administration's plan will go into effect 30 days after being published in the federal register, barring a legal challenge to prevent it. However, California Attorney General Xavier Becerra and 19 other Attorneys General recently filed a lawsuit challenging the regulations arguing that they violate the intent of the Act and were unlawfully promulgated.

California Fish and Game Commission Considers Changes to Delta Fisheries Management Policy

As previously reported, the California Fish and Game Commission has been working to update a Delta Fisheries policy and amend the existing, decades old striped bass policy. The two internal policies will guide the Commission in their promulgation of regulations related to this issue.

At the August Commission meeting in Sacramento, the full Commission heard a presentation on the policy from both Commission and Department of Fish and Wildlife staff. Staff shared with the Commissioners that both proponents and opponents of the proposals have been working collaboratively on the policy, and while the groups had not come to a consensus just yet, forward progress is still being made.

The Commission took public comment that consisted of several members of the angling community who expressed opposition to the policy due to the fear that the modest changes would result in collapse of the striped bass fishery. Representatives from the California Farm Bureau Federation and the Coalition for a Sustainable Delta testified in support of the continued stakeholder process being conducted by staff.

Commission President, Eric Sklar instructed the Department to give an update regarding ongoing scientific studies related to predation in the Delta at the next hearing where the issue is heard. The Commissioners moved to postpone acting on the items until the December meeting to allow for continued collaboration by staff and stakeholders.

Senate Holds Hearing on Utility Power Shutoffs

The Gas, Electric and Transportation Subcommittee of the Senate Energy, Utilities and Communications Committee held an informational hearing on the increasingly widespread use of Public Safety Power Shutoffs (PSPS) by utilities. The hearing, chaired by vocal PG&E critic Senator Jerry Hill (D-San Mateo), was an opportunity for committee members to delve into the mounting concerns expressed by many of their constituents and local public agencies.

The members held little back from CPUC and utility representatives, expressing concern about the effects of PSPS on vulnerable populations, traffic systems, businesses, emergency responders, communications infrastructure, and overall safety. Members also noted, and CPUC staff confirmed, that there can still be far-reaching impacts even when a utility notices a potential shutoff but does not follow through.

Senator Scott Wiener (D-San Francisco) worried that utilities will be incentivized to shutoff power more often in order to avoid potential wildfire liability. CPUC Safety and Enforcement Decision deputy executive director Elizaveta Malashenko responded by stating that the CPUC doesn't have enough information to create stricter guidelines for PSPS but is continuing to work with utility executives as events arise. Wiener also raised concerns about safety effects for refineries, an industry he rarely aligns with, along with overall cost impacts to businesses and ratepayers that should result in some kind of consequence for the utilities.

While the hearing was purely informational, it is clear that legislators continue to have strong concerns and will continue to press both the CPUC and utilities for improvements to the current procedures.

Legislative Update

The first year of the 2019-2020 legislative session officially came to a close in the pre-dawn hours of September 14. Ultimately, the Legislature sent the Governor around 720 bills at the end of session. Governor Newsom has until October 13 to act. There were only a small handful of bills left at the end of session concerning water policy, with most of the big issues such as elimination of ocean discharge and safe and affordable drinking water dispensed with earlier in the session.

AB 1180 (Friedman): AB 1180 will require the SWRCB to update the state's non-potable recycled water regulations by 2023. These regulations have not been revised since 2000. An update to these regulations, incorporating the knowledge and lessons learned from nearly two decades of non-potable water recycling, will help the state to achieve its ambitious goals for recycled water use. The bill also promotes recycled water use for dual plumbed buildings and for commercial, industrial and institutional (CII) uses by requiring the Water Board, through its update of Title 17 backflow regulations, to include the use of a change over device, such as a swivel ell. This bill is sponsored by WaterReuse. The measure passed off the Senate floor on consent and easily passed off the Assembly floor where it needed a concurrence vote and was signed by the Governor.

SB 1 (Atkins)

As previously reported, SB 1 by pro Tem Atkins, is an attempt to backstop any environmental regulations the Trump administration tries to roll back. The State Water Contractors, AWCA and other water agencies have raised serious concerns about key provisions of the bill. A coalition of business (California Chamber of Commerce) and water interests has formed to try to secure amendments to address those concerns.

The main concern is that the language would handcuff the CA Department of Fish and Wildlife (DFW) from being able to apply new science, new adaptive management practices or consider current hydrologic conditions, by locking in the current biological opinions, and incidental take permits in

place as of January 19, 2017. It would also allow the state to add federally listed endangered species to the California Endangered Species Act, bypassing the normal public process.

Locking these permits in place would also essentially end any discussion of voluntary agreements (VAs). The VA process began after the State Water Resources Control Board issued a draft plan for 40 percent unimpaired flows on the San Joaquin River (a second phase would consider unimpaired flows on the Sacramento River). Massive backlash led to the start of talks to create VAs. VA talks have been fruitful and are close to completion. The VAs will rely on a series of measures to sustainably manage flows, restore habitat and protect native species. If the 2017 rules are locked into place, the VAs could fall apart, causing irreparable harm to the effort.

The proponents of the bill, lead by the Defenders of Wildlife, are believed to be seeking these changes because they are unhappy with the VAs and because they would like to get two species, orca whales and steelhead trout, listed under the CA Endangered Species Act.

Because this bill is authored by the pro Tem, and clearly a top priority for her as it is the first bill introduced in the year, opponents know that defeating the bill was unlikely. The oppose unless amended coalition, including MWD, ACWA and the State Water Contractors, offered a set of amendments that would take care of their opposition without compromising the pro Tem's goal of protecting California from of federal rollback on environmental regulations. The Newsom administration got involved because of the implications for the VAs and attempted to bring parties together to come up with a solution.

The Administration weighed in with amendments that, while never made public, were rumored to take care of the concerns of the opposition coalition. The pro Tem chose not to take the amendments offered by the opposition coalition or the administration. The bill ultimately passed out of both houses. SAWPA's communication with its representatives was important, and while the bill did pass, several members from the Inland Empire chose to abstain from voting on the bill.

As expected, the bill was vetoed by the Governor.

Water Bonds

Within the final few weeks of the session, two additional water bonds were introduced in the legislature. As reported previously, an initiative was submitted for a \$7.8 billion bond for the November ballot, and SB 45 (Allen) has been in print since January. Recently, Speaker Rendon indicated that he was open to entertaining a water bond and two were subsequently introduced in the Assembly. Eduardo Garcia (D-Coachella), chair of the Assembly Water, Parks and Wildlife Committee, introduced AB 352, the \$3.9 billion Wildlife Prevention, Safe Drinking Water, Drought Preparation, and Flood Protection Bond Act of 2020. Assemblymember Kevin Mullin (D-San Francisco) introduced AB 1298 the Climate Resiliency, Fire Risk Reduction, Recycling, Groundwater and Drinking Water Supply, Clean Beaches, and Jobs Infrastructure Bond Act of 2020 without funding amounts included.

No action was taken on these measures at the end of session, and leadership has started a working group process to work out details of a bond. Expectations are that a single bond will be shaped and passed by June 2020 and appear before voters on the November 2020 Presidential Election.

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GENERAL MANAGERS MEETING NOTES

TUESDAY, October 8, 2019

PARTICIPANTS PRESENT

Michael Markus
Doug Headrick (Via Conference Call) [7:35 a.m.]
Craig Miller
Nick Kanetis
Christiana Daisy
Rich Haller
Karen Williams
Larry McKenney (Via Conference Call)
Mark Norton
David Ruhl
Carlos Quintero
Katie Lucht

REPRESENTING

Orange County Water District
San Bernardino Valley Municipal Water District
Western Municipal Water District
Eastern Municipal Water District
Inland Empire Utilities Agency
Santa Ana Watershed Project Authority
Santa Ana Watershed Project Authority
Santa Ana Watershed Project Authority
Santa Ana Watershed Project Authority
Santa Ana Watershed Project Authority
Santa Ana Watershed Project Authority
Santa Ana Watershed Project Authority

PARTICIPANTS ABSENT

Paul Jones
Shivaji Deshmukh
Eastern Municipal Water District
Inland Empire Utilities Agency

1. CALL TO ORDER

Rich Haller called the meeting to order at 7:32 a.m. at SAWPA, 11615 Sterling Avenue, Riverside, California.

2. FUTURE SAWPA COMMISSION AGENDA ITEMS

Rich Haller provided and reviewed the Agenda Planning Matrix (SAWPA Commission, OWOW Steering Committee, PA 22, PA 23, and PA 24), and noted everything related to the Brine Line has been moved from the SAWPA Commission matrix to the PA 24 matrix. Rich is working on a status update of the Strategic Plan that was prepared by Paul Brown several years ago and will be presenting the current status of the Strategic Plan objectives to the Commission. The Commission will then decide if they want staff to proceed with an update to the Strategic Plan. Craig Miller noted that Commissioner Dennstedt requested staff bring this before the Commission because there are several new Commissioners who are unaware of the Plan.

The December 3, 2019 Commission meeting may be cancelled due to the ACWA Fall Conference.

Project Agreement 24 has been approved and fully executed. Rich stated that once Project Agreement 25 & Project Agreement 26 have been approved and executed, the Commission will thereafter directly consider fewer agenda items. Accordingly, moving forward staff will suggest the Commission meet one time per month at the discretion of the Commission. The monthly meeting would include budget status and strategic planning.

Cancellation of the October 24 PA 22 Committee meeting was discussed; items currently scheduled for the October meeting are informational updates only. The consensus was to cancel the October meeting and provide the updates during the November 21 meeting.

3. OWOW UPDATE

Mark Norton gave a brief OWOW Plan overview newly appointed IEUA Executive Manager of Engineering/Assistant General Manager and first-time meeting attendee, Christiana Daisy. Mark stated OWOW is the Integrated Regional Management plan for the SAWPA watershed for the next twenty years. The OWOW Plan covers all types of water, including but not limited to portable, ground, imported, storm or recycled water and how their integration. Michael Markus noted that OWOW is the funding mechanism for IRWM money. If a water bond contains any IRWM money, Santa Ana Watershed receives a certain amount of money and assembles/submits to DWR a suite of projects seeking funding. Mark explained SAWPA is currently at that phase – preparing an application package due to DWR by November 1, 2019, for Prop 1

IRWM Round 1 funding. Mark stated that one of the projects, Orange County Coastkeeper – Smartscape program which proposed a public education outreach program, will be removed from the SAWPA's proposed project portfolio for grant funding. Carmel Brown and DWR staff stated that the project on its own needed to include an implementation component; therefore, it did not meet the Prop 1 IRWM Round 1 implementation project criteria. SAWPA staff suggested Orange County Coastkeeper refashion the project which might make it eligible for funding; Orange County Coastkeeper chose not to move forward. The Smartscape project represented \$300,000 in funds designated for Orange County which will now be added to Round 2 funding for Orange County. Unfortunately, these funds cannot be added to an existing Orange County Round 1 project, as suggested by Michael Markus. Christy Suppes, Senior Environmental Resources Specialist, County of Orange advised Mark there is not enough time to go back to Orange County local governance to seek funding reallocation and approval for this round. Mark explained that it seems projects need to be \$500,000+ to make it cost effective to administer the grant funding. The invoicing, project progress reports and potential audits down the road are time consuming and need to be watched closely to ensure the project meets the grant requirements.

4. ROUNDTABLES/TASK FORCES UPDATE

Mark Norton stated that we are nearing the conclusion of the Santa Ana River Waste Allocation project. A draft report has been released and comments have been addressed including a request for additional work that the Task Force would like to consider. This request for additional work may cause a month delay. A deadline is not set for the project, but the additional work would affect the need to extend discharge permit deadlines by the Regional Board.

The Emerging Constituents Program Task Force is still waiting for the lab results for the testing of the suite of PFAS and seven past emerging constituents that were sampled back in 2013. This gathering of samples was completed in late August 2019; the committee will reconvene to discuss the results. The sampling sites included all wastewater treatment plant discharges into the Santa Ana River, locations in the river, and the Metropolitan Water District's source water.

Rich Haller clarified for Christiana Daisy that Roundtables and Task Forces are interchangeable terms; staff will provide informational brochures to Christiana. Mark noted SAWPA currently has about ten Task Forces but only six or seven are active.

5. DCI PROJECTS

Mark Norton gave an overview of the Disadvantage Community Involvement Program for Technical Assistance. Nine applications for the approximately \$1.7 million in available funding were recently received. Some of these projects may not meet DWR's criteria of addressing water needs of a disadvantaged community. Given this, there is a strong possibility another funding round will be available in November. Mark clarified for Michael Markus that up to 25% of the funding could be used on education and this information was included in the criteria established by the Technical Advisory Committee (TAC), SAWPA and DWR, and shared with the OWOW SC. It is unknown at this time how much of the \$1.7 million will be carried over to the next round for Technical Assistance as determined by the TAC. This information will be shared with the OWOW SC and any contracts with project proponents will be brought to the SAWPA Commission and DWR to ensure they are suitable for the technical assistance. Michael Markus asked when the TAC meeting was going to be held. Mark Norton noted that the meeting would be held today at 1:00 p.m. to discuss the project proponents. Mark also noted Orange County would be represented at the TAC meeting by Committee Member Beatrice Musacchia.

6. BRINE LINE TREATMENT AND DISPOSAL CAPACITY

David Ruhl noted progress in the Brine Line Treatment and Disposal Capacity. SAWPA is utilizing the lease pool and currently has a lease with CDA for 400,000 GPD commencing October 1, 2019, with an option to extend for an additional six months. The PA 24 Committee passed two resolutions at their first meeting on October 1, 2019. The first resolution updated the purchase price for treatment and disposal rights; the second resolution established a policy for the purchase of treatment and disposal capacity right as separate discrete

components. David clarified for Craig Miller that the tracking is done by the member agencies and the agencies are responsible for notifying SAWPA by written letter if/when any change in capacity occurs. SAWPA tracking is based on the agencies' notification. Staff is considering preparation of an agreement template for SAWPA to provide capacity to our member agencies that SAWPA will purchase from OCSD at a future time. This will utilize available capacity in the interim period before purchasing additional capacity from OCSD.

7. **BRINE LINE UPDATE**

David Ruhl provided updates on the following:

- a. Pretreatment Program Update – SAWPA had a meeting with OCSD and discussed changing the name of the “emergency permits” to “infrequent discharge permits”. OCSD requested that SAWPA provide redundancy for the emergency connections, so the connection is not a primary backup to the individual treatment plants. SAWPA is working with IEUA, EMWD, WMWD and JCSD on their emergency connections. SAWPA staff continues to work with member agency staff on an ordinance update; this will be Ordinance No. 9.

ARAMARK, a laundry facility, could possibly be coming online this month with 330,000 GPD of new discharge to the Brine Line. ARAMARK is currently resolving site issues, constructing a lateral to the Brine Line and is awaiting permit approval by SAWPA and OCSD. Once this has been completed, they will be able to start discharging.

- b. OCSD – Rock Removal – OCSD commenced their rock removal project about three weeks ago which will cover a total of thirteen sites. They are currently mobilized at two of the sites. Orange County Public Works (OCPW) will sever the line upstream and downstream from the portion of the river that the Brine Line crosses consisting of multiple locations, as a requirement of the USACE. The manholes have already been abandoned and filled with sand. OCPW is now responsible for the abandoned portion of the SARI Line under the river; SAWPA and OCSD have no liability.
- c. Alcoa Dike Brine Line Protection/Relocation – David provided a handout showing the areas of the Brine Line that are impacted. This is a USACE project to protect facilities around the Prado Basin with a new earthen dike that has been in the works for over ten years. SAWPA hired Stantec to determine potential impacts; Stantec will coordinate with USACE in accordance with the USACE schedule and scope of work. Settlement on Butterfield Road, varying from one inch to six and one-half inches at the highest point of the dam, will occur. SAWPA slip lined the 36” Brine Line at Butterfield Road in 2012. SAWPA installed a 30” Hobas fiberglass pipe and grouted the annular space. The two pipes by themselves, the RCP and Hobas pipes, would be able to handle the six and half inches of settlement. However, the composite situation of the two pipes, joints, differential settlement and the annular space, may not be able to handle the revised conditions with potential for brine outflow or groundwater inflow. SAWPA is considering ways to protect the pipeline including possibly installing a steel casing. Stantec proposed installing a larger RCP pipe that would be able to handle the settlement and then leave it in place or install a carrier pipe through the larger pipe which would serve as a casing, but with less cost. The RCP pipe option would cost approximately \$1.3 Million, and the steel casing would be double. These concepts will be reviewed by Stantec, SAWPA and member agency staff, and experienced engineers during a future peer review. The dike work has commenced on all roads except where there are utilities, which includes Butterfield Road and Auburndale Street. It is anticipated the work will begin in these areas on October 1, 2020. The need to keep the CRC lateral (an unused lateral that leads to the CA Rehabilitation Center correctional facility) was discussed; the cost to protect it would be \$300,000-\$400,000. Rich Haller responded to Craig Miller that there is limited opportunity for future commercial development. David noted he will re-engage member agency staff; however, their previous input confirmed there is no need to keep the unused lateral. The lateral is made of clay pipe and SAWPA staff does not want to arbitrarily disconnect it. If the decision is to protect the lateral at a cost of \$300,000 - \$400,000, work would need to be completed by October 1, 2020; the cost would be covered by SAWPA.

Currently, SAWPA has \$1.3 Million budgeted for both areas. This item will be discussed in greater detail at the November 5, 2019 PA 24 Committee meeting.

8. OPERATIONS UPDATE

Carlos Quintero provided updates on the following:

- a. Brine Line O&M Activities – We are concluding work in the Prado Basin on the 4B side, demobilizing today. SAWPA set a 40' bridge and a 25' bridge to access the structures that are between existing creeks. Staff is also inspecting the Corona lateral, the 15" line that comes in from the WMWD/Corona collection station. SAWPA staff found and will repair corrosion on a metallic flange. Staff also completed line cleaning yesterday and noticed some debris and gravel in the line. Inspections will be completed today, and then staff will proceed with structure inspections on 4A.

A property owner in Lake Elsinore may have planted some trees too close to an easement; SAWPA staff will investigate and confirm the exact location of the Brine Line pipe before reaching out to the landowner to determine if the five desert pine trees are a potential risk and need to be removed.

- b. Parking Lot Status – WMWD has a pre-bid meeting on Monday, October 14, 2019. SAWPA staff anticipates the parking lot work will be completed in January/February 2020. SAWPA approved the cost sharing MOU in June 2019. Carlos clarified for Michael Markus that the construction at the lift station is independent from the parking lot project.
- c. Construction Activity near the Brine Line – Carlos provided a map and table of current projects near the Brine Line. Staff is currently monitoring/will continue to monitor and provide updates on the following construction projects: City of Rialto Storm Drain Installation, USACE Alcoa Dike, City of Corona Grade Separation Project, City of Corona Relocation, Boring for Fiber Optic Conduit Installation in City of Corona, City of Corona Force Main, Riverside County Road Widening Project, SCE Glen Ivy Substation, and City of Lake Elsinore Road Relocation. SAWPA received an estimated 4,500 dig alerts last year which is approximately 10-15% less than the prior year. SAWPA is working with the contractors to ensure the pipes are marked and the lines are potholed prior to the commencement of any work.

Rich Haller noted that he emailed the final version of Project Agreement 25 and Project Agreement 26 to the General Managers last week and received no feedback. The final version will go before the Commission for consideration next week. Should there be any last-minute questions or comments, he requested they contact him.

9. SCHEDULING – NEXT GM MEETING

The next General Managers meeting is scheduled for November 12, 2019, at 7:30 a.m. at SAWPA. The meeting adjourned at 8:27 a.m.

COMMISSION REVIEW: October 15, 2019
2019-10-8 GM Mtg Notes