

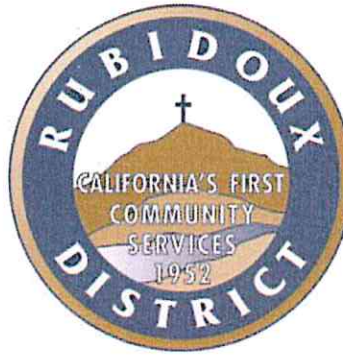
# Rubidoux Community Services District

## Board of Directors

Christopher Barajas  
Armando Muniz  
Bernard Murphy  
F. Forest Trowbridge  
Hank Trueba Jr.

## Secretary-Manager

David D. Lopez



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Water Resource Management    Refuse Collection    Street Lights    Fire / Emergency Services    Weed Abatement

## **NOTICE AND AGENDA FOR THE RUBIDOUX COMMUNITY SERVICES DISTRICT BOARD MEETING 4:00 PM, October 19, 2017**

1. Call to Order - Armando Muniz, President
2. Pledge of Allegiance
3. Roll Call
4. Approval of Minutes for October 5, 2017, Regular Board Meeting
5. Consider to Approve the October 20, 2017, Salaries, Expenses and Transfers
6. Acknowledgements - Members of the public may address the Board at this time on any non-agenda matter.
7. Correspondence and Related Information
8. Manager's Report:
  - a) Operations Report
  - b) Incident and Emergency Report

**ACTION ITEMS:**

9. Consideration to Approve Resolution No. 2017-838, A Resolution Supporting California Water Fix Proposal: **DM 2017-50**
10. Consideration to Adopt Resolution No. 2017-837, a Resolution Which Updates the Investment Policy of the Rubidoux Community Services District as Originally Presented: **DM 2017-51**
11. Consideration to Approve 2016/2017 Annual Audit of the Rubidoux Community Services District: **DM 2017-52**
12. Receive and File Cash Asset Schedule Report Ending September 2017: **DM 2017-53**
13. Directors Comments - Non-action
14. Adjournment

Closed Session: At any time during the regular session, the Board may adjourn to a closed executive session to consider matter of litigation, personnel, negotiations, or to deliberate on decisions as allowed and pursuant with the open meetings laws. Discussion of litigation is within the Attorney/Client privilege and may be held in closed session.

Authority: Government code 11126-(a) (d) (q).

4. APPROVAL OF MINUTES FOR OCTOBER 5, 2017, REGULAR  
BOARD MEETING MINUTES

**MINUTES OF REGULAR MEETING**  
**October 5, 2017**  
**RUBIDOUX COMMUNITY SERVICES DISTRICT**

**DIRECTORS PRESENT:** Bernard Murphy  
F. Forest Trowbridge  
Christopher Barajas  
Hank Trueba

**DIRECTORS ABSENT:** Armando Muniz

**STAFF PRESENT:** Dave Lopez, General Manager  
Steve Appel, Assistant General Manager  
Brian Jennings, Budgeting/Accounting Manager

Call to order: the meeting of the Board of Directors of the Rubidoux Community Services District by Director Murphy, at 4:00 P.M., Thursday, October 5, 2017, at the District Office, 3590 Rubidoux Boulevard, Jurupa Valley, California.

**ITEM 4. APPROVAL OF MINUTES**

Approval of Minutes for Regular Board Meeting, September 21, 2017.

**Director Trueba moved and Director Barajas seconded to approve the September 21, 2017, Minutes.**

**The motion was carried unanimously.**

**Ayes – 4 (Barajas, Murphy, Trowbridge, Trueba)**  
**Noes - 0**

**ITEM 5. Consider to Approve the October 6, 2017, Salaries, Expenses and Transfers.**

Approve October 6, 2017 Salaries, Expenses and Transfers.

**Director Barajas moved and Director Trueba seconded to approve the October 6, 2017, Salaries, Expenses and Transfers.**

**The motion was carried unanimously.**

**Ayes – 4 (Barajas, Trowbridge, Murphy, Trueba)**  
**Noes - 0**



## **ITEM 6. PUBLIC ACKNOWLEDGE OF NON-AGENDA MATTERS**

There were no members of the public to address the Board.

## **ITEM 7. CORRESPONDENCE AND RELATED INFORMATION**

The first piece of information was from the California Water News Daily, regarding CA Energy Commission grant funds new wastewater treatment technology in Rialto. They are doing a pilot study in Rialto. The next article is from the Press Enterprise, regarding the City of Riverside. They will consider raising the electric rates at 8% annually and then 4.8% for the next five years. The last article is from the Press Enterprise, about March Air Reserve Base and groundwater threats. The military bases are not subject to the Regional Board's jurisdiction. So, this is no news this is happening.

## **ITEM 8. MANAGER'S REPORT**

### **Operations Report:**

Presented at the second Board meeting of the month.

### **Emergency and Fire Report:**

Presented at the second Board meeting of the month.

## **ITEM 9. DM 2017-48. Consideration to Increase Budget and Approve Final Change Order for Utility Billing Replacement System.**

At the April 7, 2016, regular Board meeting of the Rubidoux Community Services District the Board of Directors authorized Staff to negotiate and enter a contract with Northstar Utility Solutions (Northstar) for the replacement of the District's utility billing system. In March of this year, the board approved a change order in the amount of \$49,600.00 due to unforeseen data conversion issues.

As we near the October 31, 2017, "go live" date for the project, and at the request of District, Northstar has agreed to provide additional parallel testing to verify the accuracy of the billing between the new system and the old system.

Recognizing this additional effort, Northstar has submitted a change order dated September 15, 2017. The change order requests and additional 338 hours of effort, which equates to an increase of \$48,600.00 on the contract. As stated above, we expect to "go live" with the new system at the end of October.

In FY 2016 this project was budgeted for \$315,000.00. During negotiations with Northstar the budget was reduced to \$205,000.00 as shown in the current District budget. In March 2017 the Board approved change order number one which increased the budget

to \$250,000.00. If approved, this final change order will increase the budget to \$300,000.00 (still less than the original FY 2016 amount of \$315,000.00).

Staff has reviewed the change order and finds it to be in order and appropriate.

**Director Barajas moved and Director Trueba seconded to approve the final change order from Northstar in the amount of \$48,600.00, and increase the utility billing system replacement budget line from \$250,000.00 to \$300,000.00 in recognition of the approved change order.**

**The motion was carried unanimously.**

**Ayes – 4 (Trowbridge, Barajas, Murphy, Trueba)**

**Noes – 0**

**Absent – 0**

**ITEM 10. DM 2017-49. Consideration to Approve Resolution No. 2017-838, a Resolution Supporting California Water Fix Proposal.**

At the request of Don Galleano, Director Western Municipal Water District (WMWD) Resolution 2017-838 establishes a Support position for the Rubidoux Community Services on the proposal California WaterFix Project. This is not a new position for the RCSD Board Members. In 2014, this Board approved Resolution No. 2014-814 supporting the Bay Delta Conservation Plan which now has evolved into the California WaterFix.

Attached for the Board consideration are the following:

- Draft Resolution 2017-838 supporting CA WaterFix Project
- Draft letter of support for Same

**Ayes – 2 (Trowbridge, Trueba)**

**Noes – 2 (Barajas, Murphy)**

**Absent – 1 (Muniz)**

Resolution No. 2017-838 does not have affirmative votes to pass or respective votes to fail. This item will be reintroduced at the next regular meeting.

**ITEM 11. Directors Comments – Non action.**

Director Murphy adjourned the October 5, 2017, Regular Board meeting.

5. CONSIDER TO APPROVE THE OCTOBER 20, 2017, SALARIES,  
EXPENSES AND TRANSFERS



RUBIDOUX COMMUNITY SERVICES DISTRICT  
OCTOBER 19, 2017 (BOARD MEETING)  
FUND TRANSFER AUTHORIZATION

NET PAYROLL 10/20/2017	62,000.00
WIRE TRANSFER: FEDERAL PAYROLL TAXES 10/23/17	25,000.00
WIRE TRANSFER: STATE PAYROLL TAXES 10/23/17	5,300.00
WIRE TRANSFER: TO CREDIT UNION	2,400.00
WIRE TRANSFER: PERS RETIREMENT	15,300.00
WIRE TRANSFER: PERS HEALTH PREMIUMS	-
WIRE TRANSFER: SECTION 125	424.61
WIRE TRANSFER: SECTION 457	2,810.00
10/20/2017 WATER FUND TO GENERAL FUND-Payables	36,343.24
WATER FUND TO GENERAL FUND-Trash	106,443.93
WATER FUND TO SEWER FUND	85,613.67
SEWER FUND TO GENERAL FUND-Payables	86,574.72
10/20/2017 SEWER FUND CHECKING TO LAIF SEWER OP	-
SEWER FUND CHECKING TO WATER FUND CHECKING	-
LAIF SEWER OP TO SEWER FUND CHECKING	-
LAIF WASTEWATER RESERVE TO LAIF SEWER OP	-
LAIF SEWER ML TO LAIF SEWER OP	-
LAIF WASTEWATER REPLACEMENT TO LAIF SWR OP	-
GENERAL FUND CHECKING TO LAIF SEWER ML	-
GENERAL FUND CHECKING TO LAIF PROP TAX	-
GENERAL FUND PROPERTY TAX TO GF CHECKING	80,000.00
GENERAL FUND CHECKING TO GENERAL FUND PROP TAX	-
LAIF GENERAL TO GENERAL FUND CHECKING	-
LAIF PROPERTY TAX TO GF CHECKING	100,000.00
COP PAYBACK TO LAIF-COP PAYBACK	39,898.90
WATER REPLACEMENT TO LAIF-W.R.	6,266.39
LAIF WATER ML TO LAIF WATER REPLACEMENT	-
LAIF WATER ML TO WATER FUND CHECKING	-
LAIF WATER OP TO WATER FUND CHECKING	-
LAIF WATER RESERVE TO LAIF WATER OP	-
LAIF WATER REPLACE TO LAIF WATER OP	5,960.00
LAIF WATER OP TO LAIF WATER RESERVE	-
WATER FUND CHECKING TO LAIF WATER RESERVE	-
WATER FUND CHECKING TO LAIF WATER OP	307,000.00
LAIF WATER FIELD/ADMIN TO LAIF WATER OP	-
LAIF COP TO GENERAL FUND CHECKING	-
LAIF COP TO LAIF WATER OP	-

**NOTES PAYABLE**

<u>DESCRIPTION</u>	<u>BALANCE</u>		<u>PAYMENT</u>	<u>DUE DATE</u>
City of Riverside (Headworks Replacement)	27,128	Prin.	13,564	Oct-17
U.S. Bank Trust (1998 COP's Refunding)	4,655,000	Prin.	603,581	Dec-17
U.S. Bank Trust (1998 COP's Refunding)	1,272,114	Intr.	118,581	Dec-17
MN Plant-State Revolving Loan	4,872,287	Prin.	119,472	Jan-18
MN Plant-State Revolving Loan	1,136,945	Intr.	62,625	Jan-18



# AP Check Register Report

Rubidoux Community Services District (RCSACT)

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Check Number	Vendor Number	Vendor Name	Check Date	Check Amount
0004412	10638	QUINN CAT / MACHINERY	10/20/2017	7,970.98
0004413	1117	A-CHECK GLOBAL, INC	10/20/2017	90.25
0004414	1118	ACORN TECHNOLOGY CORPORATION	10/20/2017	2,881.93
0004415	11452	KH METALS & SUPPLY	10/20/2017	100.09
0004416	12013	LABORER'S INTNL LOCAL #777	10/20/2017	240.00
0004417	12715	LUCE COMMUNICATIONS: dba ABG C	10/20/2017	855.03
0004418	13152	McMASTER-CARR SUPPLY CO	10/20/2017	257.65
0004419	13200	MERIT OIL COMPANY	10/20/2017	2,013.52
0004420	13678	MORTON SALT, INC.	10/20/2017	3,277.14
0004421	1450	AIRGAS USA, LLC	10/20/2017	129.60
0004422	1577	ALMGREN; HOWARD	10/20/2017	22,799.92
0004423	15795	ORANGE COAST PETROLEUM EQUIP, INC.	10/20/2017	690.29
0004424	16007	PUBLIC EMPLOYEES BENEFIT TRUST	10/20/2017	36,289.01
0004425	16893	PRUDENTIAL OVERALL SUPPLY CO	10/20/2017	474.88
0004426	18003	R&D MECHANICAL SUPPLY, INC	10/20/2017	4,410.62
0004427	18191	RCSD	10/20/2017	116.19
0004428	18356	RELIABLE WORKPLACE SOLUTIONS	10/20/2017	350.42
0004429	18486	RIVERSIDE COUNTY TREASURER TAX	10/20/2017	43.50
0004430	1856	READY REFRESH by NESTLE	10/20/2017	156.16
0004431	18691	ROYAL WHOLESALE ELECTRIC	10/20/2017	165.84
0004432	18723	RUBIDOUX TIRE	10/20/2017	60.00
0004433	19107	SCAQMD	10/20/2017	2,372.70
0004434	19130	SCE	10/20/2017	12,611.88
0004435	19138	SCG	10/20/2017	125.38
0004436	19775	STANDARD INSURANCE	10/20/2017	2,552.96
0004437	2004	B.P.S. B's POOL SUPPLIES	10/20/2017	1,919.31
0004439	2030	BABCOCK, E S & SONS, INC	10/20/2017	3,235.00
0004440	20505	TKE ENGINEERING, INC.	10/20/2017	8,007.50
0004441	20845	TRI-CO DISPOSAL, INC	10/20/2017	102,843.05
0004442	21525	UNDERGROUND SERVICE ALERT OF S	10/20/2017	85.90
0004443	22020	VERIZON WIRELESS	10/20/2017	360.62
0004444	22090	VSP-VISION SERVICE PLAN	10/20/2017	941.79
0004445	23373	WELLS, RYAN	10/20/2017	650.00
0004446	23568	WESTERN MUNICIPAL WATER DISTR	10/20/2017	680.25
0004447	2369	BERKELEY ECONOMIC CONSULTING, INC	10/20/2017	13,875.00
0004448	3658	MUNKSGAARD, HENRY M DBA:Center	10/20/2017	196.00
0004449	3754	CITY SOURCED INC.	10/20/2017	6,600.00
0004450	3846	COLONIAL LIFE & ACCIDENT INS C	10/20/2017	3,205.47
0004451	3921	CROWN ACE HARDWARE	10/20/2017	7.53
0004452	4305	DE ANZA FENCE CO	10/20/2017	185.00
0004453	4891	DUNBAR ARMORED INC.	10/20/2017	764.86
0004454	6470	FIRST AMERICAN CORELOGIC, INC.	10/20/2017	178.75
0004455	6480	FIRST CHOICE PLUMBING	10/20/2017	789.00
0004456	8012	HACH COMPANY	10/20/2017	696.02
0004457	8074	HARPER & BURNS LLP	10/20/2017	1,885.00
0004458	8077	HARRINGTON INDUSTRIAL PLASTICS	10/20/2017	886.25
0004459	8078	HARRIS COMPUTER SYSTEMS	10/20/2017	12,150.00
0004460	8650	HOME DEPOT CREDIT SERVICES	10/20/2017	603.95
0004461	9483	IMAGING PRESENTATION PARTNERS	10/20/2017	38,150.00
0004462	9505	CARQUEST AUTO PARTS	10/20/2017	26.92
0004463	9510	SO CAL TRUCKWORKS	10/20/2017	77.84
0004464	9682	INLAND WATER WORKS SUPPLY CO	10/20/2017	1,816.13
Non-Electronic Transactions:				301,853.08
Total Transactions:				301,853.08

# AP Cash Requirements Report

Rubidoux Community Services District (RCSACT)

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AP / Vendor	Date	Current	Debits	Discounts	Cash Amount
12013 / LABORER'S INTNL LOCAL #777	10/20/2017	240.00	11/1 - monthly		240.00
16007 / PUBLIC EMPLOYEES BENEFIT TRUST	10/20/2017	36,289.01	(1242.01) = 34,947.00		36,289.01
19775 / STANDARD INSURANCE	10/20/2017	2,552.96	pd 10/5		2,552.96
22090 / VSP-VISION SERVICE PLAN	10/20/2017	941.79	pd 10/5		941.79
3846 / COLONIAL LIFE & ACCIDENT INS C	10/20/2017	3,205.47			3,205.47
9992 / EMPLOYMENT DEVELOPMENT DEPT ERT + SWI	10/20/2017	50.72	1/1 - Qtrly		50.72
Grand Totals:		43,279.95	0.00	0.00	43,279.95

Report Summary		Report Selection Criteria	
Report Type:	Summary		
Transaction Date:	10/20/2017		
Use Discount Due Date:	No		
Sort by AP Code:	No		
	Start		End
Date Range:	Custom		
Due Date:	10/1/2016		11/1/2017
Vendor Number:	Start		End
AP Code:	Start		End

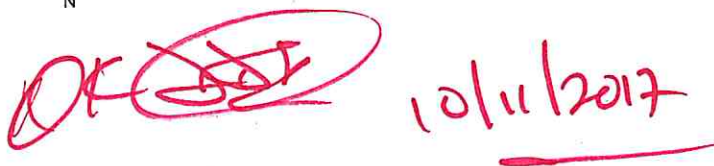
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**Rubidoux Community Services District (RCSACT)**  
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Tr. #	Vendor	Inv Date	Paid Out	Immediate	Credit Card Vendor	Due Date	Discount Date	Bank Code	Invoice #
PO Number					Check #				Discount
GL Date		Immediate GL Account			Credit Card		Payment Date		Total Invoice
1	1118 / ACORN TECHNOLOGY CORPORATION								50246.A
HARD DRIVE		10/1/2017	N	N		10/1/2017	10/1/2017	GEN	\$0.00
10/19/2017					N				\$156.93
2	1118 / ACORN TECHNOLOGY CORPORATION								50246.B
OCT 17 IT SUPT		10/1/2017	N	N		10/1/2017	10/1/2017	GEN	\$0.00
10/19/2017					N				\$2,725.00
3	1856 / READY REFRESH by NESTLE								1717701128196
BTL WTR		9/25/2017	N	N		9/25/2017	9/25/2017	GEN	\$0.00
10/19/2017					N				\$156.16
4	2030 / BABCOCK, E S & SONS, INC								BI72009-0267
WTR ANALYSES		9/26/2017	N	N		9/26/2017	9/26/2017	GEN	\$0.00
10/19/2017					N				\$490.00
5	2030 / BABCOCK, E S & SONS, INC								BI72018-0267
WTR ANALYSES		9/26/2017	N	N		9/26/2017	9/26/2017	GEN	\$0.00
10/19/2017					N				\$30.00
6	2030 / BABCOCK, E S & SONS, INC								BI72019-0267
WTR ANALYSES		9/26/2017	N	N		9/26/2017	9/26/2017	GEN	\$0.00
10/19/2017					N				\$45.00
7	2030 / BABCOCK, E S & SONS, INC								BI72115-0267
WTR ANALYSES		9/27/2017	N	N		9/27/2017	9/27/2017	GEN	\$0.00
10/19/2017					N				\$80.00
8	2030 / BABCOCK, E S & SONS, INC								BI72196-0267
LAB FEES		9/27/2017	N	N		9/27/2017	9/27/2017	GEN	\$0.00
10/19/2017					N				\$240.00
9	2030 / BABCOCK, E S & SONS, INC								BI72197-0267
WTR ANALYSES		9/27/2017	N	N		9/27/2017	9/27/2017	GEN	\$0.00
10/19/2017					N				\$30.00
10	2030 / BABCOCK, E S & SONS, INC								BI72199-0267
WTR ANALYSES		9/27/2017	N	N		9/27/2017	9/27/2017	GEN	\$0.00
10/19/2017					N				\$110.00
11	2030 / BABCOCK, E S & SONS, INC								BI72328-0267
WTR ANALYSES		9/28/2017	N	N		9/28/2017	9/28/2017	GEN	\$0.00
10/19/2017					N				\$490.00
12	2030 / BABCOCK, E S & SONS, INC								BI72330-0267
LAB FEES		9/28/2017	N	N		9/28/2017	9/28/2017	GEN	\$0.00
10/19/2017					N				\$160.00
13	2030 / BABCOCK, E S & SONS, INC								BI72332-0267
WTR ANALYSES		9/28/2017	N	N		9/28/2017	9/28/2017	GEN	\$0.00
10/19/2017					N				\$80.00
14	2030 / BABCOCK, E S & SONS, INC								BI72333-0267
WTR ANALYSES		9/28/2017	N	N		9/28/2017	9/28/2017	GEN	\$0.00
10/19/2017					N				\$45.00
15	2030 / BABCOCK, E S & SONS, INC								BI72335-0267
WTR ANALYSES		9/28/2017	N	N		9/28/2017	9/28/2017	GEN	\$0.00
10/5/2017					N				\$30.00
16	2030 / BABCOCK, E S & SONS, INC								BI72427-0267
WTR ANALYSES		9/29/2017	N	N		9/29/2017	9/29/2017	GEN	\$0.00
10/19/2017					N				\$30.00
17	2030 / BABCOCK, E S & SONS, INC								BI7525-0267
WTR ANALYSES		9/30/2017	N	N		9/30/2017	9/30/2017	GEN	\$0.00
10/19/2017					N				\$110.00





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Tr. #	Vendor	Inv Date	Paid Out	Immediate	Credit Card Vendor	Due Date	Discount Date	Bank Code	Invoice #
PO Number					Check #				Discount
GL Date		Immediate GL Account			Credit Card		Payment Date		Total Invoice
18	3658 / MUNKSGAARD, HENRY M DBA:Center								8566
R&M N03 PLT		9/25/2017	N	N		9/25/2017	9/25/2017	GEN	\$0.00
10/19/2017					N				\$196.00
19	3921 / CROWN ACE HARDWARE								072991
FLUOR TUBES		9/26/2017	N	N		9/26/2017	9/26/2017	GEN	\$0.00
10/19/2017					N				\$7.53
20	4305 / DE ANZA FENCE CO								8401
R&M OFC		9/25/2017	N	N		9/25/2017	9/25/2017	GEN	\$0.00
10/19/2017					N				\$185.00
21	6480 / FIRST CHOICE PLUMBING								R&M OFC
PPB CHECKING GF - 2236		9/25/2017	N	N		9/25/2017	9/25/2017	GEN	\$0.00
10/19/2017					N				\$789.00
22	8077 / HARRINGTON INDUSTRIAL PLASTICS								01213197
PVC PARTS		9/25/2017	N	N		9/25/2017	9/25/2017	GEN	\$0.00
10/19/2017					N				\$175.43
23	8077 / HARRINGTON INDUSTRIAL PLASTICS								01213241
FILTERS		9/26/2017	N	N		9/26/2017	9/26/2017	GEN	\$0.00
10/19/2017					N				\$710.82
24	8650 / HOME DEPOT CREDIT SERVICES								003629/7083556
SUPPLIES/TOOLS		10/3/2017	N	N		10/3/2017	10/3/2017	GEN	\$0.00
10/19/2017					N				\$603.95
25	9505 / CARQUEST AUTO PARTS								7456-361820
DIESEL FLUID		9/20/2017	N	N		9/20/2017	9/20/2017	GEN	\$0.00
10/19/2017					N				\$26.92
26	9510 / SO CAL TRUCKWORKS								R&M TRK
5875		9/29/2017	N	N		9/29/2017	9/29/2017	GEN	\$0.00
10/19/2017					N				\$77.84
27	9682 / INLAND WATER WORKS SUPPLY CO								PARTS
A1004169.001		9/26/2017	N	N		9/26/2017	9/26/2017	GEN	\$0.00
10/19/2017					N				\$1,544.25
28	11452 / KH METALS & SUPPLY								0407590
SUPPLIES		9/26/2017	N	N		9/26/2017	9/26/2017	GEN	\$0.00
10/19/2017					N				\$54.19
29	11452 / KH METALS & SUPPLY								0407783
TOOL		9/28/2017	N	N		9/28/2017	9/28/2017	GEN	\$0.00
10/19/2017					N				\$21.49
30	11452 / KH METALS & SUPPLY								0407790
SUPPLIES		9/28/2017	N	N		9/28/2017	9/28/2017	GEN	\$0.00
10/19/2017					N				\$24.41
31	12715 / LUCE COMMUNICATIONS: dba ABG C								2709883
WA40 FN 9/18		9/29/2017	N	N		9/29/2017	9/29/2017	GEN	\$0.00
10/19/2017					N				\$178.36
32	12715 / LUCE COMMUNICATIONS: dba ABG C								2709884
WA40 INV 9/19		9/29/2017	N	N		9/29/2017	9/29/2017	GEN	\$0.00
10/19/2017					N				\$676.67
33	13200 / MERIT OIL COMPANY								420820
GASOLINE		9/27/2017	N	N		9/27/2017	9/27/2017	GEN	\$0.00
10/19/2017					N				\$816.42
34	15795 / ORANGE COAST PETROLEUM EQUIP, INC.								0226225
FUEL TANK TEST		9/28/2017	N	N		9/28/2017	9/28/2017	GEN	\$0.00
10/19/2017					N				\$690.29



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Tr. #	Vendor	Inv Date	Paid Out	Immediate	Credit Card Vendor	Due Date	Discount Date	Bank Code	Invoice #
PO Number					Check #				Discount
GL Date	Immediate GL Account				Credit Card	CC Reference #	Payment Date		Total Invoice
35	16893 / PRUDENTIAL OVERALL SUPPLY CO								22477601
FLOOR MATS/SUPPLIES	8/30/2017	N	N			8/30/2017	8/30/2017	GEN	\$0.00
10/19/2017					N				\$277.38
36	16893 / PRUDENTIAL OVERALL SUPPLY CO								22495778
FLOOR MATS	10/4/2017	N	N			10/4/2017	10/4/2017	GEN	\$0.00
10/19/2017					N				\$98.75
37	18723 / RUBIDOUX TIRE								2812543
R&M TRK	9/29/2017	N	N			9/29/2017	9/29/2017	GEN	\$0.00
10/19/2017					N				\$60.00
38	19107 / SCAQMD								3140475
4284 EXMR ICE	9/19/2017	N	N			9/19/2017	9/19/2017	GEN	\$0.00
10/19/2017					N				\$378.28
39	19107 / SCAQMD								2142954
4284 EXMR FLAT	9/19/2017	N	N			9/19/2017	9/19/2017	GEN	\$0.00
10/19/2017					N				\$133.83
40	19107 / SCAQMD								3171853
5248 RVRVW FLAT	9/19/2017	N	N			9/19/2017	9/19/2017	GEN	\$0.00
10/19/2017					N				\$127.46
41	19107 / SCAQMD								3168237
5248 RVRVW FLAT	9/19/2017	N	N			9/19/2017	9/19/2017	GEN	\$0.00
10/19/2017					N				\$1,733.13
42	19138 / SCG								17O05925730565
FIRE STN UTLTY	9/28/2017	N	N			9/28/2017	9/28/2017	GEN	\$0.00
10/19/2017					N				\$80.14
43	19138 / SCG								17O01302181001
FIELD OFC UTLTY	9/28/2017	N	N			9/28/2017	9/28/2017	GEN	\$0.00
10/19/2017					N				\$19.40
44	19138 / SCG								17O17882256005
MAIN OFC UTLTY	9/28/2017	N	N			9/28/2017	9/28/2017	GEN	\$0.00
10/19/2017					N				\$25.84
45	20505 / TKE ENGINEERING, INC.								2017-450
JURUPA HILLS LIFT	8/31/2017	N	N			8/31/2017	8/31/2017	GEN	\$0.00
8/31/2017					N				\$2,047.50
46	20505 / TKE ENGINEERING, INC.								2017-451
8" PVC 36TH ST	8/31/2017	N	N			8/31/2017	8/31/2017	GEN	\$0.00
10/19/2017					N				\$5,960.00
47	21525 / UNDERGROUND SERVICE ALERT OF S								920170556
DIG ALERTS	10/1/2017	N	N			10/1/2017	10/1/2017	GEN	\$0.00
10/19/2017					N				\$85.90
48	23568 / WESTERN MUNICIPAL WATER DISTR								RI2630
OCT 17 BRINE FIXED	10/1/2017	N	N			10/1/2017	10/1/2017	GEN	\$0.00
10/19/2017					N				\$680.25
49	1117 / A-CHECK GLOBAL, INC								59-0526283
EMP VERF ULLOA	9/29/2017	N	N			9/29/2017	9/29/2017		\$0.00
10/19/2017					N				\$90.25
50	1450 / AIRGAS USA, LLC								9948437718
TANK RNTL	9/30/2017	N	N			9/30/2017	9/30/2017		\$0.00
10/19/2017					N				\$129.60
51	2004 / B.P.S. B's POOL SUPPLIES								90132
SODIUM HYPO	10/3/2017	N	N			10/3/2017	10/3/2017		\$0.00
10/19/2017					N				\$1,919.31

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PO Number					Check #				Discount
GL Date		Immediate GL Account			Credit Card	CC Reference #	Payment Date		Total Invoice
52	2030 / BABCOCK, E S & SONS, INC								BJ70176-0267
LAB FEES		10/4/2017	N	N			10/4/2017	10/4/2017	\$0.00
10/19/2017					N				\$240.00
53	2030 / BABCOCK, E S & SONS, INC								BJ70429-0267
WTR ANALYSES		10/9/2017	N	N			10/9/2017	10/9/2017	\$0.00
10/19/2017					N				\$30.00
54	2030 / BABCOCK, E S & SONS, INC								BJ70479-0267
WTR ANALYSES		10/9/2017	N	N			10/9/2017	10/9/2017	\$0.00
10/19/2017					N				\$190.00
55	2030 / BABCOCK, E S & SONS, INC								BJ70480-0267
WTR ANALYSES		10/9/2017	N	N			10/9/2017	10/9/2017	\$0.00
10/19/2017					N				\$300.00
56	2030 / BABCOCK, E S & SONS, INC								BJ70485-0267
WTR ANALYSES		10/9/2017	N	N			10/9/2017	10/9/2017	\$0.00
10/19/2017					N				\$45.00
57	2030 / BABCOCK, E S & SONS, INC								BJ70491-0267
WTR ANALYSES		10/9/2017	N	N			10/9/2017	10/9/2017	\$0.00
10/19/2017					N				\$110.00
58	2030 / BABCOCK, E S & SONS, INC								BJ70492-0267
WTR ANALYSES		10/9/2017	N	N			10/9/2017	10/9/2017	\$0.00
10/19/2017					N				\$80.00
59	2030 / BABCOCK, E S & SONS, INC								BJ70597-0267
WTR ANALYSES		10/10/2017	N	N			10/10/2017	10/10/2017	\$0.00
10/19/2017					N				\$30.00
60	2030 / BABCOCK, E S & SONS, INC								BJ70603-0267
LAB FEES		10/10/2017	N	N			10/10/2017	10/10/2017	\$0.00
10/19/2017					N				\$240.00
61	3754 / CITY SOURCED INC.								INV-0599
ANNUAL SUBS SFTWR		8/16/2017	N	N			8/16/2017	8/16/2017	\$0.00
10/19/2017					N				\$6,600.00
62	4891 / DUNBAR ARMORED INC.								4061933
OCT 17 ARMOR SVC		10/1/2017	N	N			10/1/2017	10/1/2017	\$0.00
10/19/2017					N				\$764.86
63	6470 / FIRST AMERICAN CORELOGIC, INC.								81840406
ON-LINE SVCS		9/30/2017	N	N			9/30/2017	9/30/2017	\$0.00
10/19/2017					N				\$178.75
64	8012 / HACH COMPANY								10654466
CHEMICALS		9/28/2017	N	N			9/28/2017	9/28/2017	\$0.00
10/19/2017					N				\$696.02
65	9682 / INLAND WATER WORKS SUPPLY CO								S1004169.002
PARTS		10/3/2017	N	N			10/3/2017	10/3/2017	\$0.00
10/19/2017					N				\$271.88
67	13152 / McMASTER-CARR SUPPLY CO								47075603
TOOLS		9/29/2017	N	N			9/29/2017	9/29/2017	\$0.00
10/19/2017					N				\$131.99
68	13152 / McMASTER-CARR SUPPLY CO								47113927
TOOLS		9/29/2017	N	N			9/29/2017	9/29/2017	\$0.00
10/19/2017					N				\$125.66
69	13200 / MERIT OIL COMPANY								421932
GASOLINE		10/4/2017	N	N			10/4/2017	10/4/2017	\$0.00
10/19/2017					N				\$1,197.10

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PO Number					Check #				Discount
GL Date		Immediate GL Account			Credit Card		Payment Date		Total Invoice
70	13678 / MORTON SALT, INC.								5401408727
SALT		10/5/2017	N	N		10/5/2017	10/5/2017		\$0.00
10/19/2017					N				\$3,277.14
71	8078 / HARRIS COMPUTER SYSTEMS								CT035711
CO 3V2 25%		10/11/2017	N	N		10/11/2017	10/11/2017		\$0.00
10/19/2017					N				\$12,150.00
72	10638 / JOHNSON POWER SYSTEM								BOG/WOG 24-666
R&M GENERATORS		9/29/2017	N	N		9/29/2017	9/29/2017		\$0.00
10/19/2017					N				\$7,938.42
73	10638 / QUINN CAT / MACHINERY								PCA00017498
R&M EQUIP		10/5/2017	N	N		10/5/2017	10/5/2017		\$0.00
10/19/2017					N				\$32.56
74	1577 / ALMGREN, HOWARD								12
CITY RVSD LITGN		9/30/2017	N	N		9/30/2017	9/30/2017		\$0.00
10/1/2017					N				\$22,799.92
75	2369 / BERKELEY ECONOMIC CONSULTING, INC								20170914
CITY RVSD LITGN		9/14/2017	N	N		9/14/2017	9/14/2017		\$0.00
10/9/2017					N				\$13,875.00
76	8074 / HARPER & BURNS LLP								20171002.A
SEPT LEGAL FEES		10/2/2017	N	N		10/2/2017	10/2/2017		\$0.00
10/19/2017					N				\$290.00
77	8074 / HARPER & BURNS LLP								20171002.B
CITY RVSD LITGN		10/2/2017	N	N		10/2/2017	10/2/2017		\$0.00
10/19/2017					N				\$1,595.00
78	9483 / IMAGING PRESENTATION PARTNERS								12194
CITY RVSD LITGN		10/2/2017	N	N		10/2/2017	10/2/2017		\$0.00
10/19/2017					N				\$38,150.00
79	18003 / R&D MECHANICAL SUPPLY, INC								I1001683
PARTS		9/28/2017	N	N		9/28/2017	9/28/2017		\$0.00
10/19/2017					N				\$1,076.63
80	18003 / R&D MECHANICAL SUPPLY, INC								I1001686
TOOLS/HYDRNT		9/29/2017	N	N		9/29/2017	9/29/2017		\$0.00
10/19/2017					N				\$3,036.30
81	18003 / R&D MECHANICAL SUPPLY, INC								I1001687
TOOL		10/5/2017	N	N		10/5/2017	10/5/2017		\$0.00
10/19/2017					N				\$297.69
82	18191 / RCSD								20171019
PETTY CASH		10/10/2017	N	N		10/10/2017	10/10/2017		\$0.00
10/19/2017					N				\$116.19
83	18356 / RELIABLE WORKPLACE SOLUTIONS								750333-0
SUPPLIES		8/1/2017	N	N		8/1/2017	8/1/2017		\$0.00
10/19/2017					N				\$171.74
84	18356 / RELIABLE WORKPLACE SOLUTIONS								752657-0
SUPPLIES		9/26/2017	N	N		9/26/2017	9/26/2017		\$0.00
10/19/2017					N				\$50.01
85	18356 / RELIABLE WORKPLACE SOLUTIONS								752914-0
SUPPLIES		10/5/2017	N	N		10/5/2017	10/5/2017		\$0.00
10/19/2017					N				\$128.67
86	18486 / RIVERSIDE COUNTY TREASURER TAX								159301_183230003-0
PROP TAX		9/15/2017	N	N		9/15/2017	9/15/2017		\$0.00
10/19/2017					N				\$43.50



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PO Number		Immediate GL Account			Check #				Discount
GL Date					Credit Card		Payment Date		Total Invoice
87	18691 / ROYAL WHOLESALE ELECTRIC								6441-547769
FUSE		10/3/2017	N	N		10/3/2017	10/3/2017		\$0.00
10/19/2017					N				\$165.84
88	19130 / SCE								1702011970662
STREETLIGHTS		10/6/2017	N	N		10/6/2017	10/6/2017		\$0.00
10/19/2017					N				\$9,472.00
89	19130 / SCE								1702283710317
FIRE STN UTLTY		10/6/2017	N	N		10/6/2017	10/6/2017		\$0.00
10/19/2017					N				\$1,753.30
90	19130 / SCE								1702036525640
MAIN OFC UTLTY		10/6/2017	N	N		10/6/2017	10/6/2017		\$0.00
10/19/2017					N				\$1,386.58
91	20845 / TRI-CO DISPOSAL, INC								0927_101017.A
COMM TRSH		10/11/2017	N	N		10/11/2017	10/11/2017		\$0.00
10/19/2017					N				\$29,006.83
92	20845 / TRI-CO DISPOSAL, INC								0927_101017.B
RES TRSH		10/11/2017	N	N		10/11/2017	10/11/2017		\$0.00
10/19/2017					N				\$77,437.00
93	20845 / TRI-CO DISPOSAL, INC								0927_101017.C
RCSD SHR COMM		10/10/2017	N	N		10/10/2017	10/10/2017		\$0.00
10/19/2017					N				(\$2,901.06)
94	20845 / TRI-CO DISPOSAL, INC								0927_101017.D
RCSD SHR RES		10/10/2017	N	N		10/10/2017	10/10/2017		\$0.00
10/19/2017					N				(\$699.72)
95	22020 / VERIZON WIRELESS								9793655751
CELL PHONE CHGS		10/1/2017	N	N		10/1/2017	10/1/2017		\$0.00
10/19/2017					N				\$360.62
96	23373 / WELLS, RYAN								20171011
CLAIM 5763 JUAN BAUT		10/11/2017	N	N		10/11/2017	10/11/2017		\$0.00
10/19/2017					N				\$650.00
97	16893 / PRUDENTIAL OVERALL SUPPLY CO								22499734
FLOOR MATS		10/11/2017	N	N		10/11/2017	10/11/2017		\$0.00
10/19/2017					N				\$98.75
98	16007 / PUBLIC EMPLOYEES BENEFIT TRUST								CRD PR0000000006
50-05261		10/1/2017	N	N		11/1/2017	10/1/2017		\$0.00
10/20/2017					N				(\$1,342.01) PR AP
<b>Grand Totals</b>									
<b>Total Direct Expense:</b>									\$262,224.63
<b>Total Direct Expense Adj:</b>									(\$4,942.79)
<b>Total Non-Electronic Transactions:</b>									\$257,281.84

## Report Summary

### Report Selection Criteria

Report Type: Condensed

Start

End

Transaction Number: Start

End



6. ACKNOWLEDGEMENTS – MEMBERS OF THE PUBLIC MAY ADDRESS THE BOARD AT THIS TIME ON ANY NON-AGENDA MATTER

## 7. CORRESPONDENCE AND RELATED INFORMATION



HOME DROUGHT INFRASTRUCTURE CONSERVATION LEGISLATION



**DON'T MISS** Central Valley Project begins 2017/18 water year with "bountiful water supplies"

Home > Drought > SAWPA Appoints New General Manager

## SAWPA Appoints New General Manager

By California Water News Daily on October 10, 2017

SHARE TWEET SHARE SHARE 0 COMMENTS

The Santa Ana Watershed Project Authority (SAWPA) Commission recently announced the appointment of Richard E. Haller as the new General Manager. Mr. Haller had been serving as Interim General Manager since July 1, 2017.

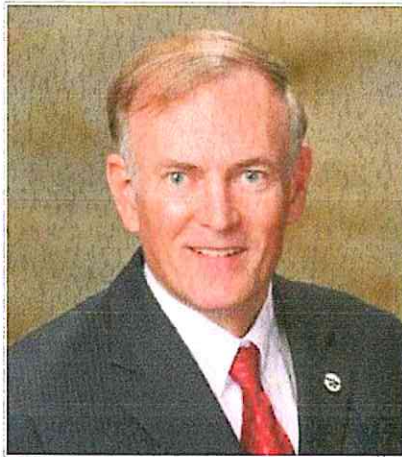
Prior to July, Haller was the Engineering & Operations Manager and has held several positions at SAWPA since 2001. Under his innovative leadership, Mr. Haller successfully directed all aspects of SAWPA's 73-mile, \$165 million regional brine line, achieved an 800% decrease in spill frequency, improved in-house staff efficiency resulting in enhanced quality and decreased operation costs, and managed over \$50 million in capital improvements projects.

"I am pleased the Commission has placed its trust in me," said Mr. Haller. "I am thrilled for the opportunity to serve the watershed as SAWPA General Manager, and I look forward to working with the stakeholder community."

A registered civil engineer, Mr. Haller was a Project Manager for CDM Smith for 10 years, serving as the on-site engineer of a \$20 million EPA Superfund project; prior to that time, he was a Project Engineer managing a variety of water, sanitary sewer and residential/commercial development projects and served as Assistant Town Engineer in Woodsboro, Maryland.

"This is a unique opportunity for SAWPA to not only continue as a water leader throughout the state," said SAWPA Chair Susan Lien Longville, "but also to strengthen local stakeholder involvement through leadership and interagency consensus."

Haller's appointment fills a vacancy left by Celeste Cantú, who retired from public service after 10 years at SAWPA and a career in government service of more than 40 years.



drought featured

### RELATED POSTS



2016/17 Storage	%
0.66	
0.37	
2.0	
0.70	
3.4	
1.8	
8.9	



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POPULAR COMMENTS

2016/17 Storage	%
0.66	
0.37	
2.0	
0.70	
3.4	
1.8	
8.9	

#### Central Valley Project Begins 2017/18 Water Year With "Bountiful Water Supplies"

The news of the annual water carry-over from the...

October 15, 2017 0



#### Conservation District Appoints Steve Sentes As New Executive Director

Veteran restoration and watershed manager Steve Sentes, most recently...

October 14, 2017 0



#### SAWPA Appoints New General Manager

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October 10, 2017 0



# MWD BOARD APPROVES FUNDING FOR CALIFORNIA WATERFIX

BY TERESA MCGAFFIC OCT 10, 2017 WATER NEWS

The Metropolitan Water District of Southern California Board of Directors today approved funding the district's 26% share of California WaterFix.

The \$17 billion "twin tunnels" project is designed to strengthen infrastructure for delivering water to users south of the Delta while improving ecological conditions for fish.

California Secretary for Natural Resources John Laird issued the following statement: "Today's vote by Metropolitan Water District's board members shows leadership and a commitment to the region's water supply future. WaterFix is this generation's opportunity to protect critical water supplies from certain decline. Metropolitan's investment will provide water supply reliability for the region's residents and economy."

MWD General Manager Jeffrey Kightlinger said in a statement:

"Given our size, Metropolitan is the anchor tenant for any successful California WaterFix, and this vote puts us on record as being ready and willing to participate. We still have a ways to go before we have a final, fully funded project, but this vote keeps WaterFix on the path to finding a viable and lasting solution. "

Today's vote by the MWD board approves the agency's \$4.3 billion share of the project's cost, and gives the go-ahead to finalize the project's governance structures, participate in an adaptive management program, and enter separate joint power authorities to oversee construction and finance.

"We simply must modernize and improve the reliability of our imported supplies as well as meet the needs of growth by developing more local supplies and extending conservation," said MWD Board Chairman Randy Record.

*The Sacramento Bee* reports that the vote was 69% in favor to 22% opposed, with 9% abstaining.



For more information, MWD's press release can be found at [MWDH2O.com](http://MWDH2O.com).

Also today, the Coachella Valley Water District Board of Directors unanimously approved a resolution to support WaterFix. The resolution is not a financial commitment.

"As more information becomes available, we will have more public meetings to discuss this important issue with the community," CVWD Board President John Powell said. "California WaterFix is not only critical to ensure the safety, reliability and efficiency of our state's water supply, but it's critical to the long-term sustainability of the Coachella Valley's groundwater supply."

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**DON'T MISS** California American Water to Purchase Hillview Water Company

[Home](#) > [Infrastructure](#) > Coachella Valley Water District Board of Directors votes in favor of California WaterFix

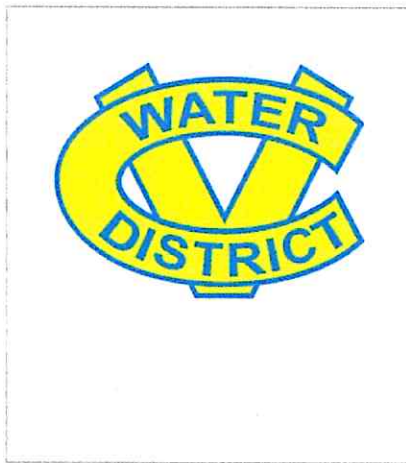
## Coachella Valley Water District Board of Directors votes in favor of California WaterFix

 By *California Water News Daily* on October 13, 2017

SHARE TWEET SHARE SHARE 0 COMMENTS

The Board of Directors for the Coachella Valley Water District (CVWD) joined a growing number of water agencies now in support of the California WaterFix, known as Gov. Jerry Brown's proposed project to modernize and upgrade the state's aging water infrastructure and delivery system and increase reliability of imported water to the Coachella Valley. Approximately 30 percent of Southern California's water comes from Northern California via the Sacramento-San Joaquin Delta.

"California WaterFix is not only critical to ensure the safety, reliability and efficiency of our state's water supply, but it's critical to the long-term sustainability of the Coachella Valley's groundwater supply," said Board President John Powell.



Although the endorsement of WaterFix by the CVWD board is non-binding at this juncture, the water district's preliminary analysis estimates the district's future cost will be between \$15 and \$24 million annually for 40 years. The district acknowledges there are numerous unanswered questions about the project's cost and financing. A more accurate cost estimate will be developed as planning progresses and the state is able to confirm more details. These answers will provide CVWD customers with financial information as to any impact the project will have on them. The CVWD board minutes from Tuesday's meeting state that, "the Coachella Valley Water District's direct financial participation in the CWF Project Arrangement shall not exceed 1.9% of the estimated overall \$16.7 billion total capital cost, in 2017 dollars."

"As more information becomes available, we will have more public meetings to discuss this important issue with the community," Powell said.

Whereas all Californians have a right to clean, affordable and reliable water, the state's current delivery system is badly outdated and regarded by many as unreliable and inefficient. It is dependent on a 50-year-old levee system that covers some 1,100 miles throughout the state. The system is increasingly vulnerable to earthquakes, environmental degradation, flooding, saltwater intrusion and climate change.

The vote by the CVWD board on Tuesday was one of two such outcomes by water boards in Southern California. The Metropolitan Water District's (MWD) Board of Directors also voted in support of the California WaterFix. Other Southern California water agencies that have recently voted in favor of WaterFix includes Crestline-Lake Arrowhead Water Agency, Desert Water Agency, Mojave Water Agency, San Bernardino Municipal Water District and San Geronio Pass Water Agency.



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0.66
0.37
2.0
0.70
3.4
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9.9

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October 14, 2017 0



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October 10, 2017 0

According to a recent public opinion survey commissioned by the Southern California Water Committee (SCWC), nearly two-thirds (64 percent) of Southern California voters support the WaterFix project.

Metropolitan Water District Board Chairman Randy Record hailed his district's vote on Tuesday saying, "Every generation of Southern Californians has to reinvest in our water system to ensure a reliable water future. Today marks one of those historic votes that reaffirms that commitment and vision. We simply must modernize and improve the reliability of our imported supplies as well as meet the needs of growth by developing more local supplies and extending conservation."

featured infrastructure

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2016/17 Storage	%
0.66	
0.37	
2.0	
0.70	
3.4	
1.8	
8.2	



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# Kern County agency votes to help fund delta water delivery system



The board of the Kern County Water Agency on Thursday took a critical vote on the \$17-billion California WaterFix project. (Katie Falkenberg / Los Angeles Times)



By **Bettina Boxall**

OCTOBER 12, 2017, 3:30 PM | REPORTING FROM BAKERSFIELD

**I**n a small step forward for [California WaterFix](#), a major San Joaquin Valley irrigation district on Thursday tentatively endorsed a partial investment in the water-delivery project.

With virtually no discussion, the board of the Kern County Water Agency approved a letter to the state saying that the agency was interested in pursuing a 6.5% share in the \$17-billion project, which after a decade of planning is going through a crucial funding stage.

After the vote, Curtis Creel, Kern's general manager, said that figure could go up or down, depending on further discussions with Kern's member irrigation districts.

"We all recognize this is an iterative process," Creel said.

"I think it's pretty significant," he said of the 6.5% share, which equals roughly \$1 billion in WaterFix funding. A full buy-in on Kern's part would amount to slightly more than twice that amount.

Earlier this week, the project's biggest potential customer, the Metropolitan Water District of Southern California, [committed to paying](#) for roughly a quarter of the project.

WaterFix's survival depends on the willingness of the urban and agricultural districts that get water from the Sacramento-San Joaquin Delta to pay for the project, which calls for construction of two massive tunnels under the delta and a new diversion point on the Sacramento River.

The financing scheme suffered a major setback last month when the [Westlands Water District](#), the state's largest irrigation district, said its growers could not afford the tunnels and voted not to participate in WaterFix.

Kern's move on Thursday pushes funding commitments to only about a third of the project's cost, making it clear that months of negotiations lie ahead with other potential customers of WaterFix, a top priority of Gov. [Jerry Brown](#)'s administration.

Brown last week personally lobbied members of the MWD and Kern boards to commit to financing. In the only board comments before Thursday's vote, Kern president Ted Page acknowledged the governor's commitment to moving the project forward.

"California desperately needs this water infrastructure," Page said. The vote was unanimous, with one member absent.

As part of the funding plan, the largely urban State Water Project agencies that receive delta supplies decided that they can buy or lease other districts' interest in WaterFix.

MWD assistant general manager Roger Patterson, who attended the 10-minute Kern meeting, said his agency has been talking to Kern and other State Water Project contractors about possible deals.

The MWD staff would have to return to its board for approval of any agreement to finance more than the 26% share the MWD agreed to this week.

Kern "essentially said we're in at this level," Patterson said, calling the board's action "a positive sign."

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**Twitter:** [@boxall](#)

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8. MANAGER'S REPORT:

- a) Operations Report
- b) Incident and Emergency Report

## Water and Wastewater Production Comparison

Date	TOTAL WELL PRODUCTION in Million Gallons					Consumption to JURUPA C.S.D.	WASTEWATER FLOW TO RIVERSIDE
	Purchased	Potable Wells	Potable Total	Non-Potable Wells	Total	(Million Gallons)	(Million Gallons)
9/1/2017	0.00	5.89	5.89	0.49	6.38	2.19	2.00
9/2/2017	0.00	6.35	6.35	0.64	6.99	2.19	1.83
9/3/2017	0.00	7.57	7.57	0.55	8.13	2.19	1.74
9/4/2017	0.00	6.96	6.96	0.62	7.58	2.19	1.99
9/5/2017	0.00	8.23	8.23	0.57	8.81	2.19	2.04
9/6/2017	0.00	6.82	6.82	0.38	7.19	2.19	2.04
9/7/2017	0.00	7.06	7.06	0.85	7.91	2.19	2.03
9/8/2017	0.00	7.30	7.30	0.48	7.79	2.19	2.01
9/9/2017	0.00	6.14	6.14	0.42	6.55	2.19	1.85
9/10/2017	0.00	6.43	6.43	0.44	6.87	2.19	1.84
9/11/2017	0.00	8.83	8.83	0.52	9.35	2.19	2.10
9/12/2017	0.00	7.01	7.01	0.50	7.50	2.19	2.08
9/13/2017	0.00	5.62	5.62	0.46	6.08	2.99	2.08
9/14/2017	0.00	9.14	9.14	0.43	9.58	2.11	2.08
9/15/2017	0.00	6.77	6.77	0.44	7.21	2.11	1.98
9/16/2017	0.00	6.90	6.90	0.57	7.47	2.11	1.90
9/17/2017	0.00	6.68	6.68	0.05	6.73	2.11	1.83
9/18/2017	0.00	6.82	6.82	0.50	7.32	2.11	2.00
9/19/2017	0.00	7.14	7.14	0.39	7.53	2.19	2.05
9/20/2017	0.00	6.73	6.73	0.43	7.16	2.19	2.05
9/21/2017	0.00	6.79	6.79	0.01	6.81	2.19	2.00
9/22/2017	0.00	7.27	7.27	0.48	7.75	2.19	1.97
9/23/2017	0.00	6.95	6.95	0.36	7.31	2.19	1.86
9/24/2017	0.00	6.36	6.36	0.38	6.74	2.19	1.84
9/25/2017	0.00	7.12	7.12	0.44	7.56	2.20	1.97
9/26/2017	0.00	7.11	7.11	0.40	7.51	2.20	2.04
9/27/2017	0.00	6.69	6.69	0.56	7.26	2.20	1.93
9/28/2017	0.00	6.88	6.88	0.44	7.31	2.18	2.03
9/29/2017	0.00	6.80	6.80	0.42	7.22	2.18	1.95
9/30/2017	0.00	7.24	7.24	0.42	7.65	2.18	2.01
MINIMUM	0.00	5.62	5.62	0.01	6.08	2.11	1.74
AVERAGE	0.00	6.99	6.99	0.46	7.44	2.20	1.97
MAXIMUM	0.00	9.14	9.14	0.85	9.58	2.99	2.10
TOTAL	0.00	209.60	209.60	13.66	223.26	66.08	59.12



# RUBIDOUX COMMUNITY SERVICES DISTRICT

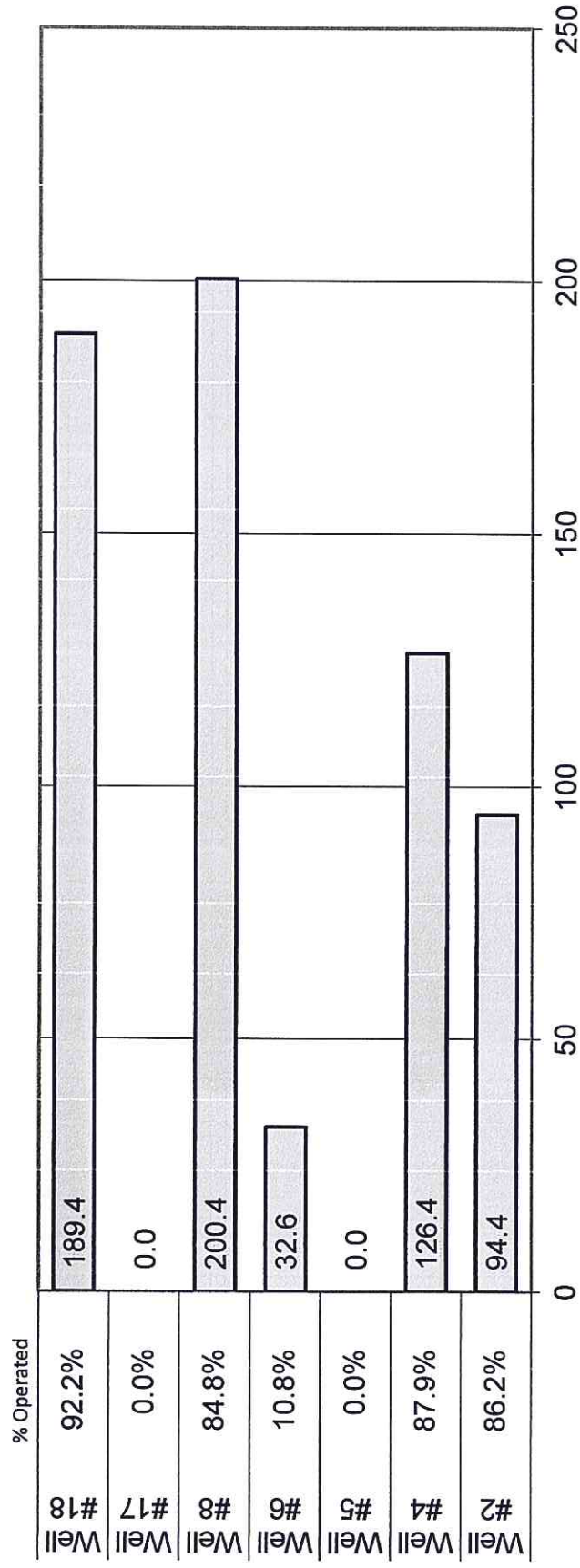
## MONTHLY WELL PRODUCTION

( Million Gallons )

POTABLE WATER																	NONPOTABLE WATER					TOTALS			
JURUPA TIE-IN (MG)	TROVER Well #2 (MG)	Nitrate Removal Pit		SKOTTY Well #6 (MG)	DALY Well #5 (MG)	GOULD Well #8 (MG)	Manganese Removal Plant #2		28th ST. Well #3 (MG)	DALY Well #7 (MG)	CLEMENT Well #11 (MG)	46th ST. Well #14 (MG)	MISSION #19 & #20 (MG)	POTABLE (MG)	NON POTABLE (MG)	TOTAL PROD. (MG)									
		FLEETWOOD Well #4 (MG)	Well #4				Well #4	Well #4																	
9/1/2017	0.00	1.00	1.34	0.00	0.00	1.54	0.00	2.01	0.00	0.00	0.49	0.00	0.01	5.89	0.49	6.38									
9/2/2017	0.00	0.82	1.65	0.00	0.00	2.02	0.00	1.86	0.00	0.00	0.63	0.00	0.01	6.35	0.64	6.99									
9/3/2017	0.00	1.28	1.72	0.00	0.00	2.31	0.00	2.27	0.00	0.00	0.54	0.00	0.01	7.57	0.55	8.13									
9/4/2017	0.00	1.18	1.19	0.00	0.00	2.29	0.00	2.30	0.00	0.00	0.60	0.00	0.02	6.96	0.62	7.58									
9/5/2017	0.00	0.70	0.17	2.99	0.00	2.30	0.00	2.06	0.00	0.00	0.55	0.00	0.02	8.23	0.57	8.81									
9/6/2017	0.00	1.28	1.48	0.00	0.00	2.23	0.00	1.82	0.00	0.00	0.36	0.00	0.02	6.82	0.38	7.19									
9/7/2017	0.00	1.05	1.69	0.00	0.00	2.22	0.00	2.10	0.46	0.00	0.37	0.00	0.02	7.06	0.85	7.91									
Subtotal	0.00	7.31	9.25	2.99	0.00	14.91	0.00	14.41	0.46	0.00	3.54	0.00	0.10	48.88	4.10	52.98									
9/8/2017	0.00	1.06	1.69	0.20	0.00	2.27	0.00	2.08	0.00	0.00	0.43	0.00	0.05	7.30	0.48	7.79									
9/9/2017	0.00	0.11	1.64	0.00	0.00	2.31	0.00	2.08	0.00	0.00	0.41	0.00	0.00	6.14	0.42	6.55									
9/10/2017	0.00	1.03	1.10	0.00	0.00	2.24	0.00	2.05	0.00	0.00	0.44	0.00	0.00	6.43	0.44	6.87									
9/11/2017	0.00	1.08	0.24	3.24	0.00	2.22	0.00	2.06	0.00	0.00	0.52	0.00	0.00	8.83	0.52	9.35									
9/12/2017	0.00	1.04	1.44	0.00	0.00	2.25	0.00	2.27	0.00	0.00	0.48	0.00	0.02	7.01	0.50	7.50									
9/13/2017	0.00	1.04	0.31	0.00	0.00	2.29	0.00	1.99	0.00	0.00	0.44	0.00	0.02	5.62	0.46	6.08									
9/14/2017	0.00	1.15	1.38	2.49	0.00	2.20	0.00	1.92	0.00	0.00	0.42	0.00	0.02	9.14	0.43	9.58									
Subtotal	0.00	6.50	7.80	5.94	0.00	15.78	0.00	14.45	0.00	0.00	3.14	0.00	0.11	50.47	3.25	53.72									
9/15/2017	0.00	1.03	1.30	0.00	0.00	2.31	0.00	2.13	0.02	0.00	0.40	0.00	0.02	6.77	0.44	7.21									
9/16/2017	0.00	1.09	1.82	0.00	0.00	1.88	0.00	2.11	0.00	0.00	0.56	0.00	0.01	6.90	0.57	7.47									
9/17/2017	0.00	0.97	1.63	0.00	0.00	2.11	0.00	1.98	0.00	0.00	0.04	0.00	0.01	6.68	0.05	6.73									
9/18/2017	0.00	1.06	1.72	0.00	0.00	1.96	0.00	2.08	0.00	0.00	0.49	0.00	0.02	6.82	0.50	7.32									
9/19/2017	0.00	1.07	1.65	0.00	0.00	2.29	0.00	2.13	0.00	0.00	0.37	0.00	0.02	7.14	0.39	7.53									
9/20/2017	0.00	1.02	1.42	0.00	0.00	2.20	0.00	2.10	0.00	0.00	0.41	0.00	0.02	6.73	0.43	7.16									
9/21/2017	0.00	1.09	1.54	0.00	0.00	2.26	0.00	1.90	0.00	0.00	0.00	0.00	0.01	6.79	0.01	6.81									
Subtotal	0.00	7.33	11.07	0.00	0.00	15.02	0.00	14.42	0.02	0.00	2.27	0.00	0.11	47.84	2.40	50.23									
9/22/2017	0.00	1.15	1.34	0.00	0.00	2.50	0.00	2.28	0.00	0.00	0.46	0.00	0.02	7.27	0.48	7.75									
9/23/2017	0.00	1.35	1.29	0.00	0.00	2.25	0.00	2.07	0.00	0.00	0.35	0.00	0.01	6.95	0.36	7.31									
9/24/2017	0.00	0.95	1.60	0.00	0.00	2.01	0.00	1.80	0.00	0.00	0.37	0.00	0.01	6.36	0.38	6.74									
9/25/2017	0.00	1.02	1.71	0.00	0.00	2.30	0.00	2.08	0.00	0.00	0.42	0.00	0.02	7.12	0.44	7.56									
9/26/2017	0.00	1.04	1.51	0.00	0.00	2.25	0.00	2.31	0.00	0.00	0.38	0.00	0.02	7.11	0.40	7.51									
9/27/2017	0.00	1.05	1.30	0.44	0.00	2.12	0.00	1.79	0.00	0.00	0.54	0.00	0.02	6.69	0.56	7.26									
9/28/2017	0.00	1.06	1.41	0.51	0.00	1.81	0.00	2.09	0.00	0.00	0.42	0.00	0.02	6.88	0.44	7.31									
9/29/2017	0.00	0.97	1.21	0.53	0.00	2.13	0.00	1.96	0.00	0.00	0.40	0.00	0.02	6.80	0.42	7.22									
9/30/2017	0.00	1.05	1.69	0.21	0.00	2.23	0.00	2.06	0.00	0.00	0.40	0.00	0.01	7.24	0.42	7.65									
Subtotal	0.00	9.64	13.06	1.69	0.00	19.60	0.00	18.43	0.00	0.00	3.76	0.00	0.15	62.41	3.90	66.32									
TOTAL	0.000	30.773	41.185	10.615	0.000	65.309	0.000	61.718	0.484	0.000	12.710	0.000	0.462	209.600	13.656	223.255									



# TOTAL WATER PRODUCED w/ % Operated September 2017

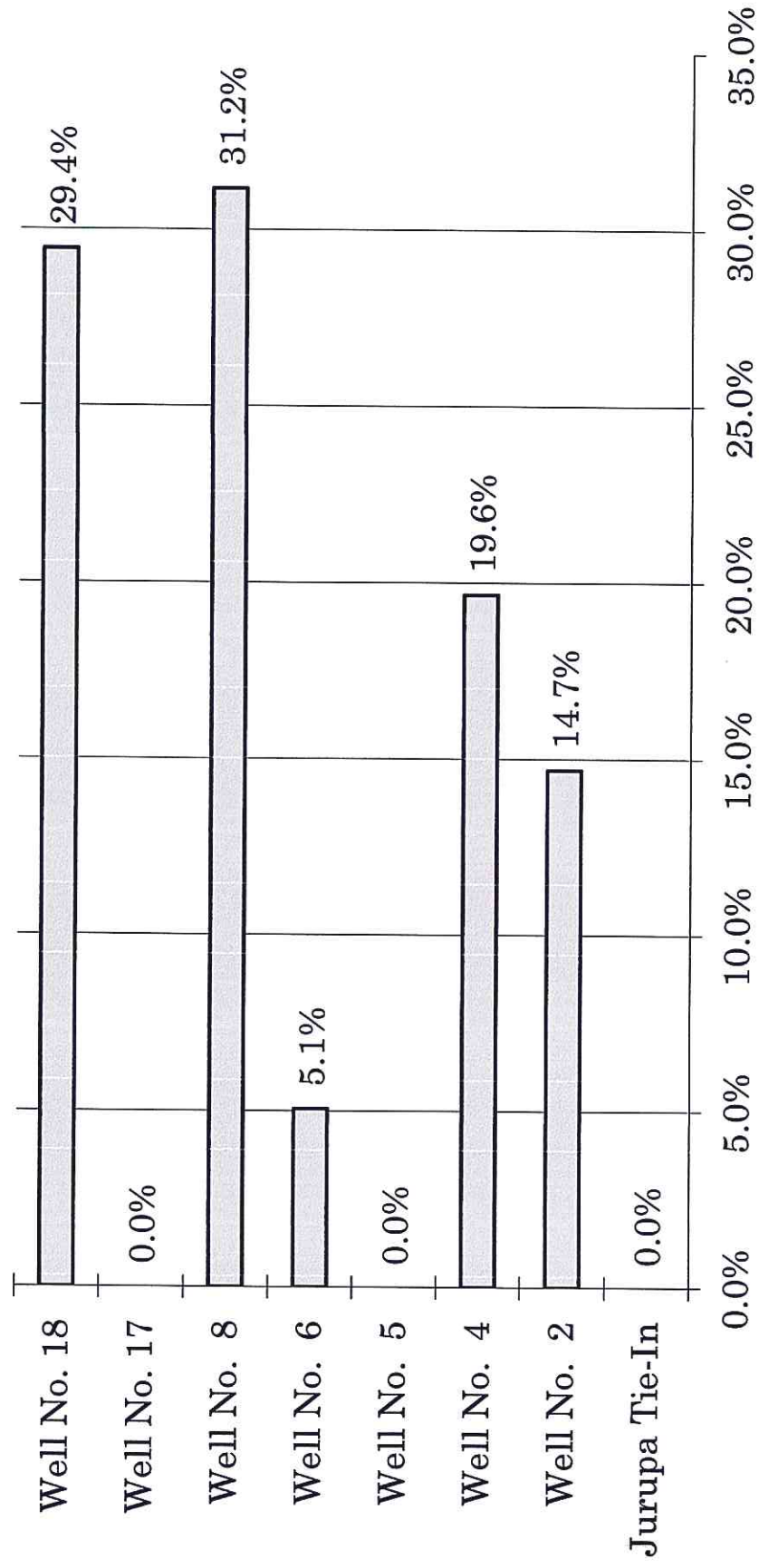


Max Production **1276.2 AF**  
 Monthly Production **421.6 AF**  
 Reserve Production **854.6 AF**

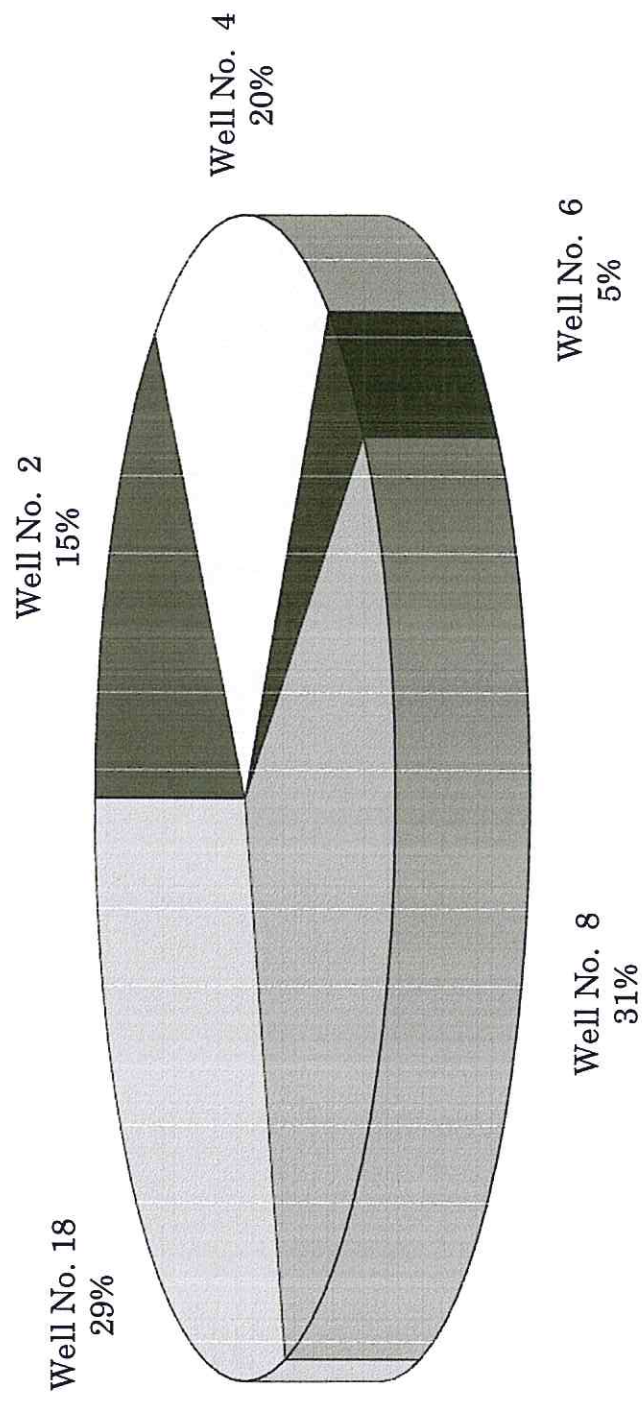
**ACRE FEET**

1 Acre Foot = 43,560 Cubic Feet = 325,829 Gallons

# Source Potable Production Comparison September 2017

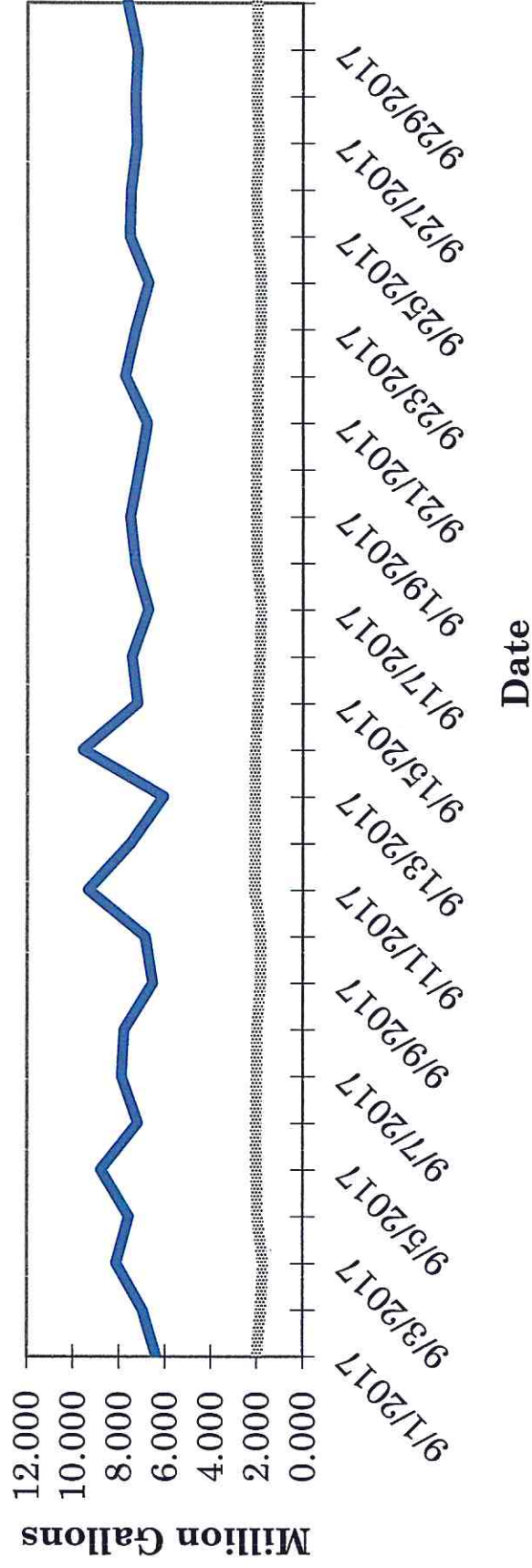


# Source Potable Production Comparison September 2017





# Potable Water & Wastewater Comparison September 2017



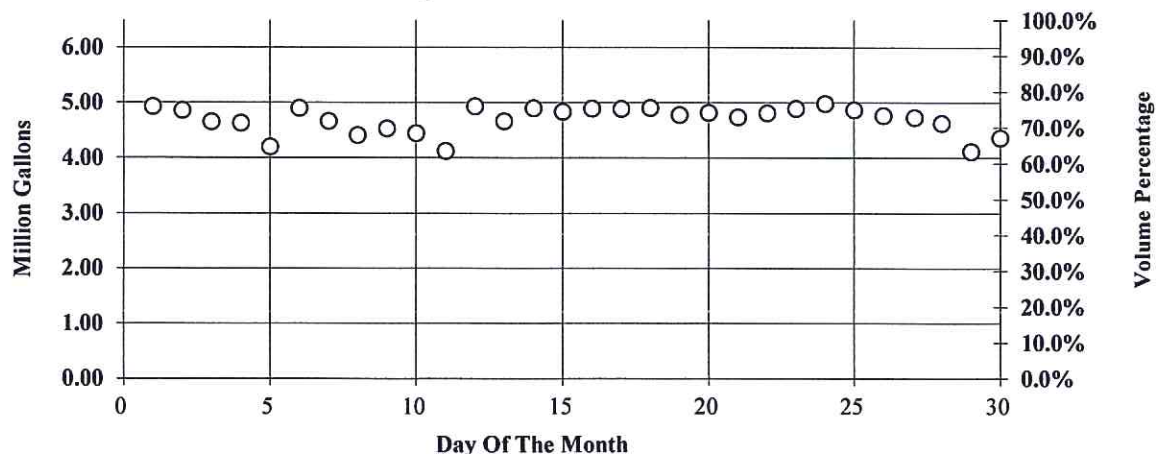
— Potable Water Prod.      ..... Wastewater Prod.

# RUBIDOUX COMMUNITY SERVICES DISTRICT

## Reservoir Capacity Report

	ATKINSON SYSTEM		HUNTER SYSTEM		WATER AVAILABLE (Gallons)*	PERCENTAGE OF TOTAL CAPACITY
CAPACITY	2,000,000	3,000,000	425,000	1,000,000		
DATE	ATKINSON	WATSON	HUNTER 1	PERRONE		
9/1/2017	77.5	75.1	78.3	78.9	4,932,493	76.8%
9/2/2017	76.0	73.9	80.0	79.0	4,865,596	75.7%
9/3/2017	72.3	70.3	77.1	76.8	4,656,413	72.5%
9/4/2017	70.6	69.2	76.7	82.0	4,631,788	72.1%
9/5/2017	60.7	62.5	79.2	77.5	4,201,796	65.4%
9/6/2017	76.8	74.4	77.6	79.7	4,905,718	76.4%
9/7/2017	72.1	70.0	77.7	79.3	4,667,397	72.6%
9/8/2017	66.0	65.5	78.5	80.0	4,418,053	68.8%
9/9/2017	69.6	68.1	77.0	76.9	4,535,509	70.6%
9/10/2017	67.4	66.6	77.1	77.3	4,450,407	69.3%
9/11/2017	58.5	60.8	77.4	79.7	4,125,996	64.2%
9/12/2017	77.5	75.0	78.7	79.0	4,939,878	76.9%
9/13/2017	70.6	70.6	78.2	79.6	4,665,513	72.6%
9/14/2017	77.0	74.3	78.0	79.3	4,903,145	76.3%
9/15/2017	76.1	72.9	79.1	78.7	4,838,936	75.3%
9/16/2017	77.3	74.1	77.3	79.1	4,897,129	76.2%
9/18/2017	77.5	74.4	76.0	79.7	4,909,330	76.4%
9/19/2017	74.4	72.1	79.3	78.4	4,782,797	74.4%
9/20/2017	75.8	72.7	78.3	79.2	4,823,982	75.1%
9/21/2017	73.9	71.2	78.4	79.0	4,742,375	73.8%
9/22/2017	75.6	72.4	79.2	78.6	4,815,462	74.9%
9/23/2017	77.5	73.9	77.9	78.9	4,895,471	76.2%
9/24/2017	79.0	75.4	76.5	81.1	4,986,892	77.6%
9/25/2017	77.5	74.0	78.1	78.1	4,877,522	75.9%
9/26/2017	74.3	71.8	79.7	78.7	4,773,974	74.3%
9/27/2017	73.4	71.2	78.1	79.5	4,738,918	73.8%
9/28/2017	70.7	69.3	77.1	79.9	4,632,574	72.1%
9/29/2017	59.4	60.6	79.4	79.2	4,120,850	64.1%
9/30/2017	64.8	64.5	78.8	79.3	4,367,290	68.0%

**AVERAGE VOLUME OF RESERVOIR CAPACITY**  
**September 2017**



\* The total capacity of all District reservoirs is 6,425,000 gallons.

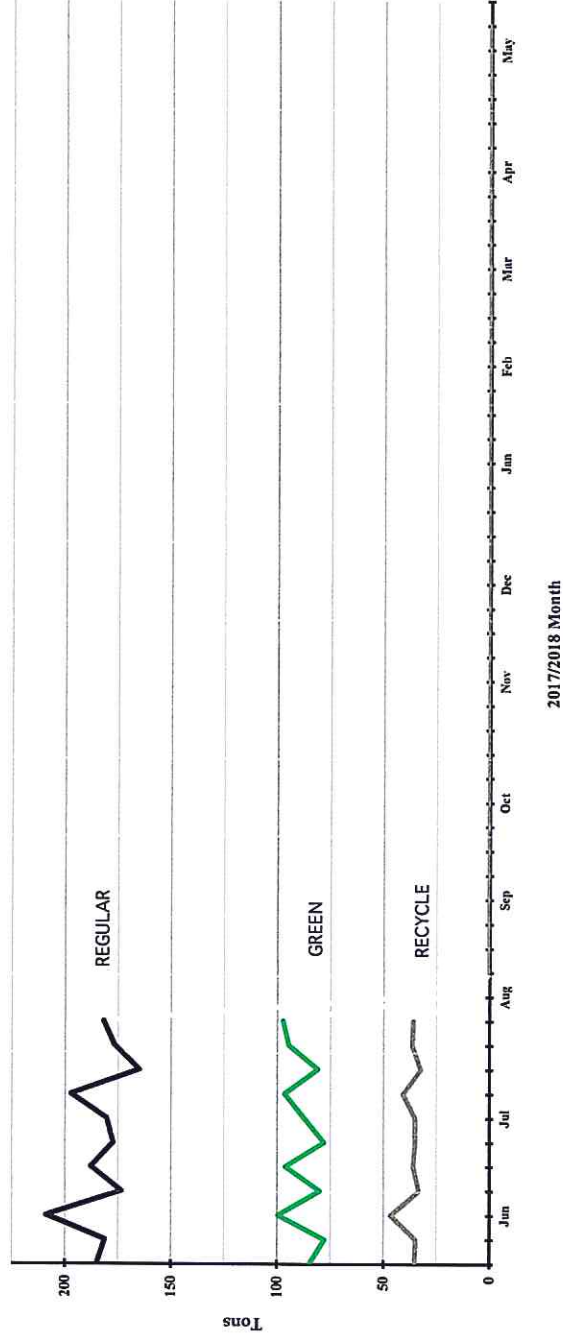
**RUBIDOUX COMMUNITY SERVICES DISTRICT**  
**Green Waste Program**  
**(May 17 to June 18)**

DATE	YEAR	GREEN WASTE					RECYCLE					REGULAR TRASH					WEEKLY TRASH TOTALS				
		DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	GREEN	RECYCLE	REGULAR	TOTAL	% DIVERSION
5/93-5/94	Year 1	1,307	1,275									4,371	3,609				2,582		7,980	10,562	24.4%
5/94-5/95	Year 2	1,260	1,183									4,914	3,999				2,444		8,913	11,357	21.5%
5/95-5/96	Year 3	1,300	1,050									4,872	4,118				2,350		8,990	11,340	20.7%
5/96-5/97	Year 4	1,207	1,013									4,802	4,182				2,220		8,984	11,204	19.8%
5/97-5/98	Year 5	607	600	512	491	434						2,171	2,111	1,199	1,332	1,027	2,644		7,840	10,484	25.2%
5/98-5/99	Year 6	503	508	656	608	533						1,781	1,920	1,558	1,802	1,314	2,808		8,375	11,183	25.1%
5/99-5/00	Year 7	438	500	610	569	499						1,926	2,147	1,717	1,974	1,430	2,616		9,194	11,810	22.2%
5/00-5/01	Year 8	460	568	674	630	500						2,071	2,478	1,788	2,094	1,499	2,832		9,930	12,762	22.2%
5/01-5/02	Year 9	426	518	659	625	525						2,298	2,632	1,889	2,257	1,512	2,753		10,588	13,341	20.6%
5/02-5/03	Year 10	468	583	726	699	583						2,514	3,039	2,083	2,367	1,581	3,059		11,584	14,643	20.9%
5/03-5/04	Year 11	590	624	689	657	573						2,525	3,323	2,195	2,473	1,650	3,133		12,166	15,299	20.5%
5/04-5/05	Year 12	577	633	702	681	613						2,615	3,385	2,253	2,484	1,629	3,206		12,366	15,572	20.6%
5/05-5/06	Year 13	575	611	739	654	615						2,579	3,268	2,439	2,545	1,664	3,194		12,495	15,689	20.4%
5/06-5/07	Year 14	487	572	633	626	547						2,451	3,267	2,286	2,432	1,698	2,865		12,134	14,999	19.1%
5/07-5/08	Year 15	723	936	858	884	654	175	268	207	219	200	2,110	2,856	1,740	2,004	1,273	4,055	1,069	9,983	15,107	33.9%
5/08-5/09	Year 16	793	939	927	861	766	240	361	285	299	235	1,944	2,536	1,592	1,810	1,123	4,286	1,420	9,005	14,711	38.8%
5/09-5/10	Year 17	919	1,114	1,026	969	779	250	382	303	315	233	1,931	2,452	1,538	1,738	1,117	4,807	1,483	8,776	15,066	41.7%
5/10-5/11	Year 18	758	1,036	954	915	611	260	381	307	309	225	1,862	2,466	1,529	1,757	1,130	4,274	1,482	8,744	14,500	39.7%
5/10-5/12	Year 19	745	1,032	911	893	600	247	378	292	309	214	1,779	2,360	1,549	1,794	1,138	4,181	1,440	8,620	14,241	39.5%
5/12-5/13	Year 20	800	1,089	935	933	628	236	361	278	292	261	1,830	2,004	1,536	1,701	1,416	4,385	1,428	8,487	14,300	40.7%
5/13-5/14	Year 21	792	1,086	893	918	593	224	326	250	276	309	1,998	1,754	1,696	1,760	1,688	4,282	1,385	8,896	14,563	38.9%
5/14-5/15	Year 22	894	932	781	783	791	314	325	286	324	327	1,975	1,657	1,547	1,824	2,023	4,181	1,576	9,026	14,783	38.9%
5/15-5/16	Year 23	1,038	804	740	772	964	375	322	299	378	334	1,986	1,634	1,428	1,990	2,192	4,318	1,708	9,230	15,256	39.5%
5/16-5/17	Year 24	1,018	783	681	800	973	400	350	315	435	361	2,054	1,693	1,458	2,074	2,132	4,255	1,861	9,411	15,527	39.4%
5/15/2017	Yr 24	17.21	15.33	14.78	17.87	19.61	7.77	6.72	6.04	8.35	6.54	40.70	35.06	28.01	39.97	41.21	84.80	35.42	184.95	305.17	39.4%
5/22/2017	Yr 24	16.93	14.19	11.45	14.31	20.88	7.58	5.91	5.94	8.58	6.85	42.29	32.31	27.37	40.19	39.01	77.76	34.86	181.17	293.79	38.3%
5/29/2017	Yr 24	23.53	19.12	10.85	20.12	26.02	9.42	7.69	12.69	8.97	7.96	48.01	37.18	32.93	48.02	42.75	99.64	46.73	208.89	355.26	41.2%
6/5/2017	Yr 24	19.48	12.77	12.93	15.41	19.38	7.17	6.34	5.51	8.17	6.21	36.89	31.30	26.93	39.75	38.46	79.97	33.40	173.33	286.70	39.5%
6/12/2017	Yr 24	23.48	18.39	15.74	17.75	20.89	8.20	6.70	6.06	9.11	5.99	39.69	34.65	28.63	41.09	43.76	96.25	36.06	187.82	320.13	41.3%
6/19/2017	Yr 24	17.89	15.29	11.12	14.94	18.78	7.02	7.42	5.59	8.25	6.80	40.03	33.14	27.06	39.93	37.12	78.02	35.08	177.28	290.38	38.9%
6/26/2017	Yr 24	17.91	17.15	13.59	11.71	27.08	7.72	5.55	5.79	9.13	6.93	40.64	33.18	28.96	41.14	36.52	87.44	35.12	180.44	303.00	40.4%
7/3/2017	Yr 24	22.54	18.36	16.25	19.30	20.25	8.36	7.83	6.49	10.02	8.26	41.83	36.57	31.00	46.60	41.34	96.90	40.96	197.34	335.00	41.1%
7/10/2017	Yr 24	19.02	14.78	12.64	14.77	19.70	8.26	6.50	5.05	7.01	5.70	41.43	30.86	24.53	35.22	32.85	80.91	32.52	164.89	278.32	40.8%
7/17/2017	Yr 24	19.06	20.51	14.56	18.03	22.52	7.94	7.29	5.89	8.64	6.82	38.38	32.10	26.35	40.66	39.22	94.68	36.58	176.71	307.97	42.6%
7/24/2017	Yr 24	21.42	19.26	16.23	19.24	21.21	8.03	7.22	5.76	8.51	6.47	39.55	33.66	27.08	42.80	38.81	97.36	35.99	181.90	315.25	42.3%
7/31/2017	Yr 24	23.24					7.74					40.23					23.24	7.74	40.23	71.21	43.5%
8/7/2017	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
8/14/2017	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
8/21/2017	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
8/28/2017	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
9/4/2017	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
9/11/2017	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
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9/25/2017	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
10/2/2017	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
10/9/2017	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
10/16/2017	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
10/23/2017	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
10/30/2017	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
11/6/2017	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
11/13/2017	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
11/20/2017	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
11/27/2017	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
12/4/2017	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
12/11/2017	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
12/18/2017	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
12/25/2017	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
1/1/2018	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
1/8/2018	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
1/15/2018	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
1/22/2018	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
1/29/2018	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
2/5/2018	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
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4/16/2018	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
4/23/2018	Yr 24																0.00	0.00	0.00	0.00	#DIV/0!
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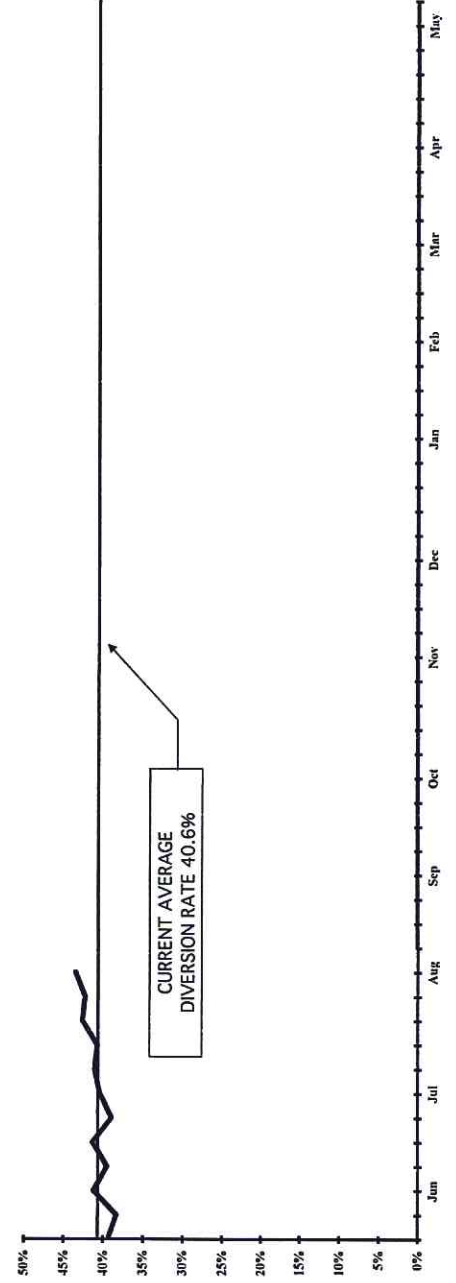


# RUBIDOUX COMMUNITY SERVICES DISTRICT Green Waste Program (May 17 to June 18)

## CHARACTERIZATION OF REFUSE COLLECTED



## PERCENTAGE OF GREEN/RECYCLE WASTE DIVERTED





**CAL  
FIRE**



## Resource Activity Report

9/1/2016

9/30/2016

9/1/2017

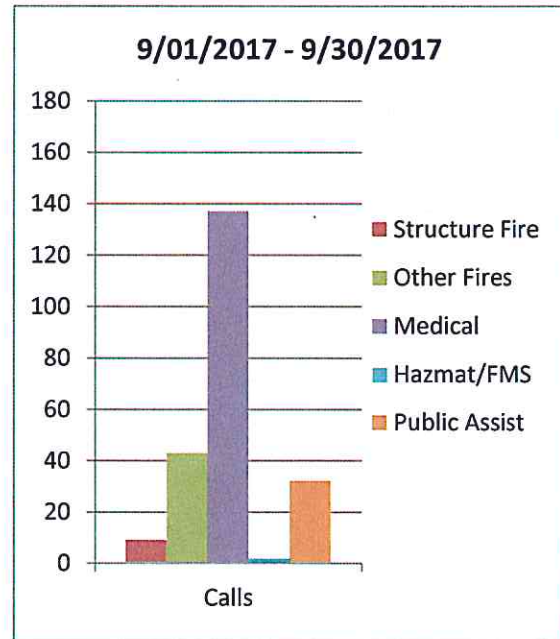
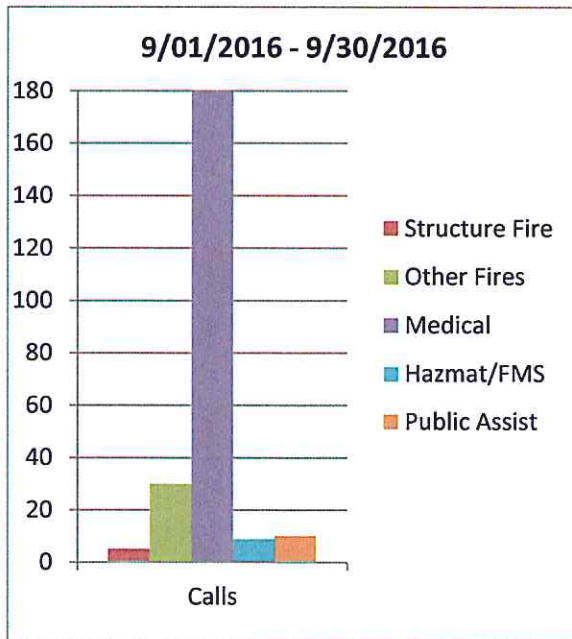
9/30/2017

Call Type	Station 38
Veg/Structure Fire	5
Other Fires	30
Medical	182
Hazmat/FMS	9
Public Assist	10
Period Total	236

Year to Date	2,357
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Call Type	Station 38
Veg/Structure Fire	9
Other Fires	43
Medical	137
Hazmat/FMS	2
Public Assist	32
Period Total	223

Year to Date	2,364
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9. CONSIDERATION TO APPROVE RESOLUTION NO. 2017-838, A  
RESOLUTION SUPPORTING CALIFORNIA WATER FIX PROPOSAL:  
**DM 2017-50**



# Rubidoux Community Services District

**Board of Directors**  
Christopher Barajas  
Armando Muniz  
Bernard Murphy  
F. Forest Trowbridge  
Hank Trueba Jr.

**Secretary-Manager**  
David D. Lopez



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Water Resource Management    Refuse Collection    Street Lights    Fire / Emergency Services    Weed Abatement

**DIRECTORS MEMORANDUM 2017-50**

October 19, 2017

**To:** Rubidoux Community Services District  
Board of Directors

**Subject:** Adoption of Resolution 2017-838, Supporting CA WaterFix

**BACKGROUND:**

At the October 5, 2017, regular meeting of the Rubidoux Community Services District Staff presented, at the request of Don Galleano, Director Western Municipal Water District (WMD) attached resolution 2017-838 which establishes a Support position for the Rubidoux Community Services District on the proposal California WaterFix Project. The Resolution was a two (2) affirmative and two (2) negative and, consequently, this resolution is reintroduced for full Board consideration this afternoon. This is not a new position for the RCSD Board Members. In 2014, this Board approved Resolution No. 2014-814 (Attached hereto) supporting the Bay Delta Conservation Plan which now has evolved into the California WaterFix.

**Presentation of Environmental and Fish Species Benefits**

The payment for CA WaterFix will be assessed by the agencies benefiting from the project. Since the October 5 meeting Metropolitan Water District (October 10, 2017, -- 26% Capacity) and Kern County Water Agency (October 12, 2017, -- 6.5% Capacity) support the project and committed financial resources.

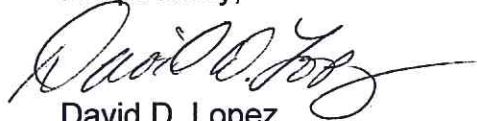
Attached for the Board consideration this afternoon are the following:

- Draft Resolution 2017-838 supporting CA WaterFix Project

**RECOMMENDATION:**

Staff recommends the adoption of Draft Resolution No. 2017-838, supporting the CA WaterFix Project.

Respectfully,



David D. Lopez  
Secretary Manager

Attachments: Res.No. 2017-838  
Letter of Support  
CA WaterFix Material  
Res. No. 2014-814





# CALIFORNIA WATERFIX: A HEALTHIER DELTA

After 10 years of analysis, dialogue and scientific inquiry, the California WaterFix remains the most feasible approach to not only securing water supplies but also protecting native fish in the Delta. For fish, this means lessening the impact of pumping water solely from the southern part of the Delta estuary and restoring more natural flow conditions.



## FISH PROTECTION

The U.S. Fish and Wildlife Service and NOAA Fisheries have affirmed that the construction and operation of WaterFix would not jeopardize the continued existence of species protected by the Endangered Species Act or destroy or adversely modify critical habitat for those species. WaterFix will also contribute to implementation of both the Delta Smelt Resiliency Strategy and Sacramento Valley Salmon Resiliency Strategy.



## COMMUNITY & ENVIRONMENTAL PROTECTION

The California Department of Water Resources (DWR) and Bureau of Reclamation (Bureau) have finalized extensive environmental analyses that describe actions to avoid, minimize and mitigate potential impacts to local Delta communities and the environment.



## REAL-TIME OPERATIONS

Water managers at DWR and the Bureau can operate the new water delivery system in response to real-time conditions. This makes the project more immediately responsive to fish, water quality, and water supply needs, and smarter and more efficient in the long run.



## WATER QUALITY AND MONITORING NETWORK

In addition to many specific water quality mitigation measures, the project includes multiple locations where water quality will be measured regularly to ensure water quality standards are met. This protects fish species as well as downstream Delta residents and communities.



## ADJUSTING TO SEASONAL CONDITIONS

Based on actual hydrology, the project will have the ability to export during high flow events—take a big gulp of water—when fish agencies perceive there is no harm to fish. It will also have specific criteria, including spring outflow targets to improve conditions for fish as they migrate through the estuary.



## MULTI-AGENCY ADAPTIVE MANAGEMENT PROGRAM

WaterFix complements the California EcoRestore program to restore 30,000 acres in the Delta. Both will employ rigorous adaptive management approaches so that restoration and project operations are based on the best available science. There is significant detail and a specific funding commitment for a multi-agency adaptive management program that will use research, monitoring and real-time tracking of fish to guide operations. This program will be launched well before construction begins.





## A MULTI-PRONGED, COMPREHENSIVE SOLUTION FOR FISH PROTECTION

The new Delta water conveyance system under California WaterFix will improve fish habitat in four major ways.

1

### PROVIDE SPRING OUTFLOW

New criteria to provide spring outflow to San Francisco Bay

2

### PROVIDE DIVERSION FLEXIBILITY

Provide flexibility to avoid water diversions at locations that harm fish

3

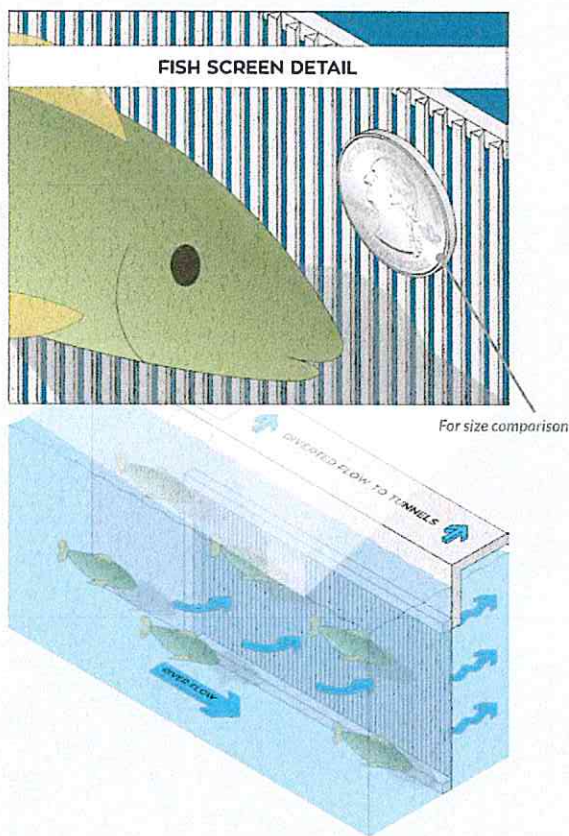
### IMPROVE NATURAL FLOWS

Allow for more natural south Delta flow patterns.

4

### NEW FISH SCREENS

Protect fish with state-of-the-art fish screens.

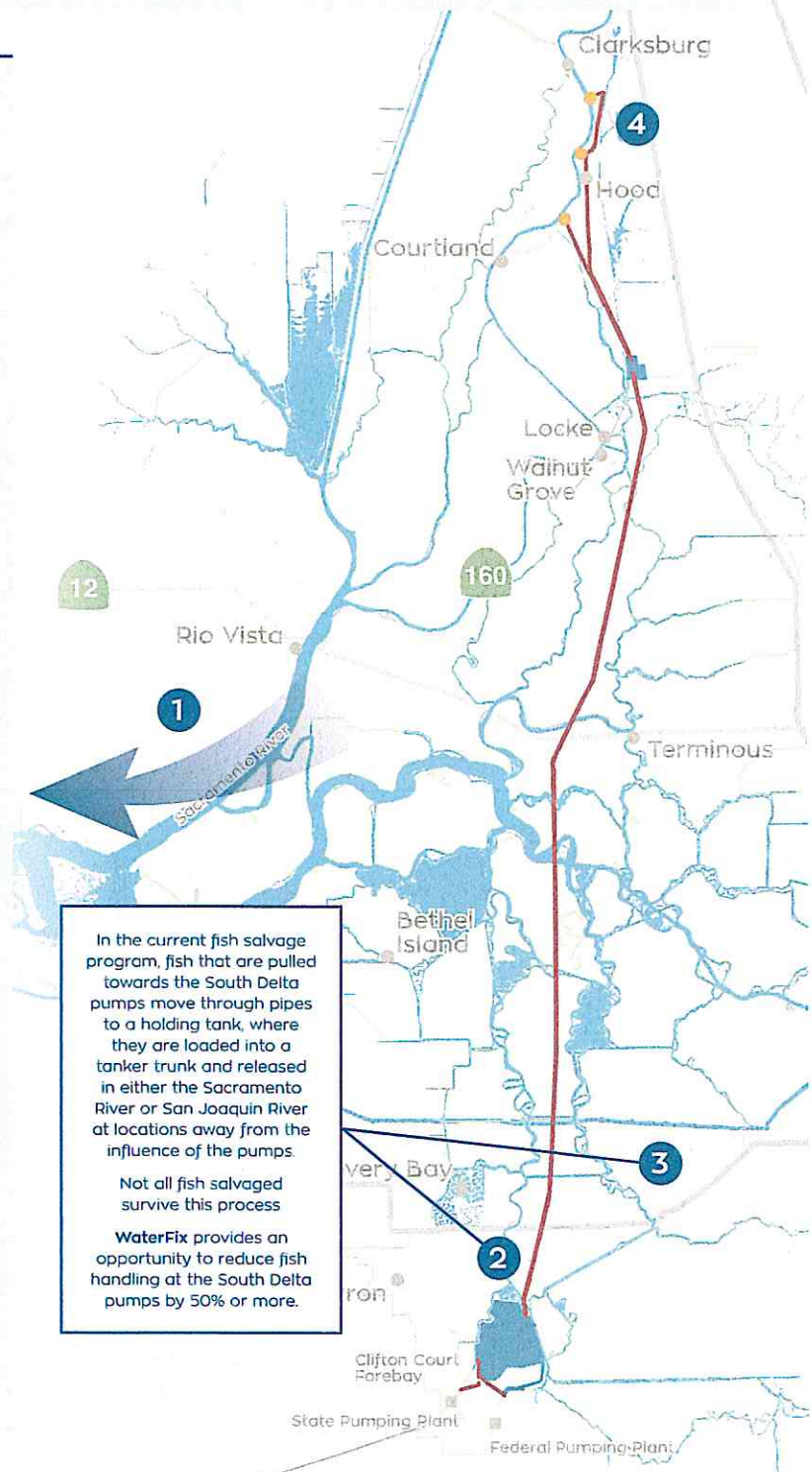


### PROPOSED WATERFIX INTAKES

The new northern intakes will be optimized for flow velocities to guide fish past the screens. The intakes will be constructed with state-of-the-art fish screens that minimize impacts to fish, such as salmon, during passage from the Delta to the ocean and their return to upstream tributaries.

Bypass flows will be set to ensure enough water flows past the intakes to create safe passage for fish.

The addition of three intakes and modern screens will result in less fatigue and provide young fish the greatest protection during diversions.



## **RESOLUTION NO. 2017-838**

### **A RESOLUTION OF THE BOARD OF DIRECTORS OF RUBIDOUX COMMUNITY SERVICES DISTRICT IN SUPPORT OF THE CALIFORNIA DEPARTMENT OF WATER RESOURCES CALIFORNIA WATERFIX PROJECT**

**WHEREAS**, water supplies from Northern California move across the Sacramento-San Joaquin Delta serve more than 25 million people, thousands of businesses and 3 (three) Million acres of farmland from the Bay Area to the California-Mexico border; and,

**WHEREAS**, of the 25 million people served, roughly 3 million are supplied this critical imported water source by local Metropolitan member water agencies serving Riverside County; and,

**WHEREAS**, California WaterFix will secure clean water supplies for millions of Californians, thousands of business and agricultural water to vital farmlands; and,

**WHEREAS**, the \$17 Billion WaterFix project has addressed a comprehensive package of ecosystem and water system improvements to address both current issues in the Bay-Delta and long term threats to the State's water supplies; and,

**WHEREAS**, Western Municipal Water District (WMWD) and a large portion of Inland Empire water providers depend on reliable supplies of imported water from Northern California Bay Delta area; and,

**WHEREAS**, the potential benefits to the Inland Empire from the California WaterFix project include; preserving the quality of life and economic vitality of the region; protecting the region's largest water supply; surviving droughts; maintaining high-quality water; and capturing large storm run-off events.



**NOW, THEREFORE, BE IT RESOLVED** by the Board of Directors of the Rubidoux Community Services District that it hereby supports the California WaterFix project.

**BE IT FURTHER RESOLVED** this resolution was approved and adopted this 19<sup>th</sup> day of October, 2017, at the regular meeting of the Board of Directors of the Rubidoux Community Services District by the following vote:

**AYES:**

**NOES:**

**ABSENT:**

**ABSTENTIONS:**

---

Armando Muniz, President  
Rubidoux Community Services District

(SEAL)

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Attest: David D. Lopez, Secretary to the Board



**RESOLUTION NO. 2014-814**

**A RESOLUTION OF THE BOARD OF DIRECTORS OF RUBIDOUX  
COMMUNITY SERVICES DISTRICT IN SUPPORT OF THE BAY DELTA  
CONSERVATION PLAN, RELIABLE WATER SUPPLIES AND  
ENVIRONMENTAL RESTORATION**

**WHEREAS**, water supplies from Northern California that move across the Sacramento-San Joaquin Delta serve more than 25 million people from the Bay Area to the California-Mexico border; and,

**WHEREAS**, of the 25 million people, roughly three million are supplied this critical imported water source by local Metropolitan member water agencies serving Riverside County; and,

**WHEREAS**, the Bay-Delta is a 550,000 acre estuary where the rivers of the Sierra Nevada merge before heading west to the San Francisco Bay; and,

**WHEREAS**, the Bay-Delta is vital to the California economy and California's agricultural belt in the Central Valley; and,

**WHEREAS**, the Bay-Delta is in a state of environmental stress due to the loss of wetlands habitat, invasive species, pesticide runoff, a depletion of native food supplies, pumping operations and other factors; and,

**WHEREAS**, the decline of the Bay-Delta's health threatens this unique environment and water supplies that are key to the California economy; and,

**WHEREAS**, the Bay-Delta's levees are not engineered to protect the state's water supply distribution system from a major earthquake, and multiple levee failures could disrupt water deliveries and the state economy for several years; and,

**WHEREAS**, state and federal agencies, via the Bay Delta Conservation Plan process have worked for seven years toward developing a comprehensive package of ecosystem and water system improvements to address both current issues in the Bay-Delta and long-term threats to the state's water supplies; and,

**WHEREAS**, the Bay Delta Conservation Plan represents an effort to comply with state and federal environmental laws for 50 years through a cooperative effort to reverse the Bay-Delta's decline; and,

**WHEREAS**, the failure to take decisive actions would be an unacceptable risk to the environment of the Bay-Delta and the economy of California; and,

**WHEREAS**, Governor Jerry Brown and Interior Secretary Sally Jewell have agreed to a comprehensive set of actions outlined in the Administrative Draft of the Bay Delta Conservation Plan that includes Bay-Delta water conveyance improvements to protect public water supplies, habitat restoration and enhanced conservation efforts; and,

**NOW, THEREFORE, BE IT RESOLVED** that the Board of Directors of Rubidoux Community Services District supports the current Bay Delta Conservation Plan process and the concepts in the plan advanced by Governor Brown and Interior Secretary Jewell and urges the state and federal agencies to continue progress on releasing a public drafts of the plan for review and comment, to ensure that the final Bay Delta Conservation Plan meets the co-equal goals of the ecosystem restoration for the Bay-Delta and reliable water supplies for California.

**BE IT FURTHER RESOLVED** this resolution was approved and adopted this 5<sup>th</sup> day of June, 2014, at the regular meeting of the Board of Directors of the Rubidoux Community Services District by the following vote:

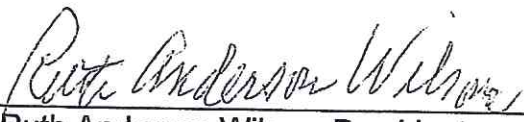
**AYES:** Directors Wilson, Skerbelis, Muniz

**NOES:** None

**ABSENT:** Director Trowbridge

**ABSTENTIONS:** None

(Seal)

  
Ruth Anderson Wilson, President  
Rubidoux Community Services District



# How California WaterFix is Part of Inland Empire's "All of the Above" Water Strategy

There is no single solution to Southern California's many water challenges. Climate change, population growth and various regulatory challenges will require actions on every front to ensure a reliable water future. Maintaining – not increasing – imported supplies is part of the Inland Empire's long-term water strategy. Here is how California WaterFix fits into the broader plan.

Imported  
Supplies

Adapting to changing  
circumstances

## California WaterFix

Most drought reserves  
are imported

Innovation

Stored  
Water

Lowering demand  
increases stored supplies

New technologies  
create new water

Two tunnels in the Delta  
up to 150 feet below  
ground designed to protect  
California's water supplies.

Inland Empire

Local Supplies

Conservation

Sources for  
population growth



emwd.org



ieua.org



wmwd.com





## INLAND EMPIRE

# Why a California Water “Fix”?

## Five Benefits for the Inland Empire

The Inland Empire region depends on reliable supplies of imported water from Northern California and the Colorado River as new local supplies and more conservation help meet the needs of growth. The reliability of the Northern California supply for the Inland Empire and all of Southern California is at risk due to pumping restrictions, deteriorating environmental conditions in the Sacramento-San Joaquin Delta and an aging water system that was not designed to meet today's challenges. State and federal agencies want to modernize this system through a project known as the California WaterFix that has both water delivery and ecosystem benefits. Here are five potential benefits to the Inland Empire from the project:



### Preserving Quality of Life

The majority of our imported supplies come solely from Northern California. Whether it's excellent schools, thriving businesses, or regional parks and recreation programs, it all starts with a supply of safe, reliable, high-quality water.

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### Protecting our Region's Largest Water Supply

Inland Empire water agencies have diversified their portfolios of imported and local water supplies. California WaterFix maintains access to the available Northern California supply, which is less than the cost of developing new local supplies and which the Metropolitan Water District has a permanent right to via a renewable state contract.

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### Surviving Droughts

The water stored in the Inland Empire for drought and emergency needs comes either from Northern California or the Colorado River.

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### Maintaining High Quality Water

A buildup of salt in the Inland Empire's groundwater basins requires the discharge of 90,000 tons of salt every year in a brine line to the Pacific Ocean. Importing low-salt water from Northern California maintains drinking water quality and keeps groundwater quality in balance.

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### Capturing Big Storms

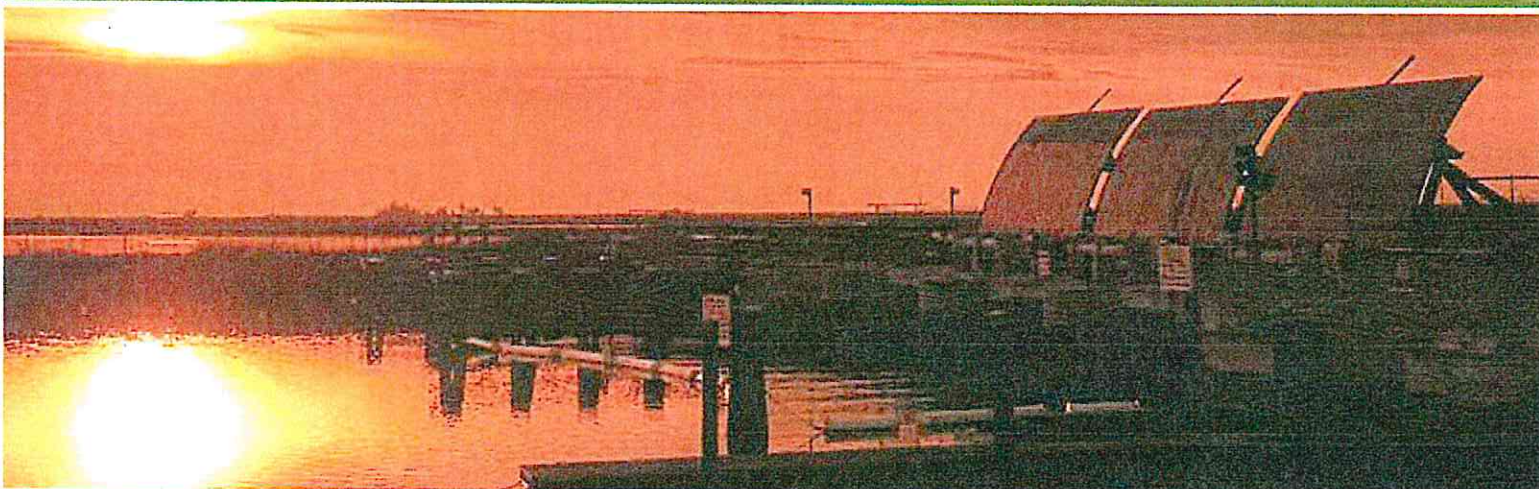
California WaterFix seeks to improve the ability to reliably capture some of the state's major storm events and store it in local reservoirs and groundwater basins for the Inland Empire in years of drought.

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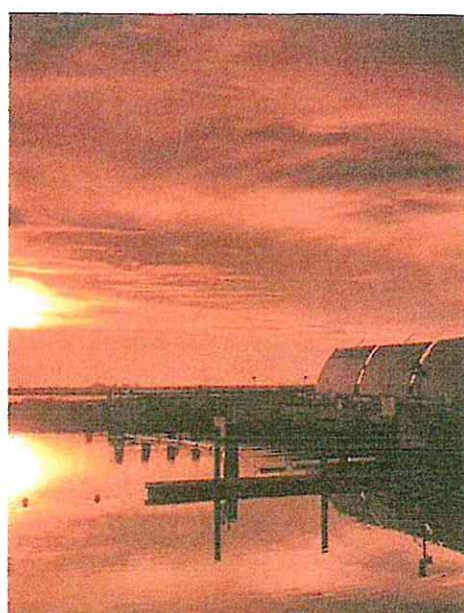
MODERNIZING THE SYSTEM: CALIFORNIA WATERFIX  
INFRASTRUCTURE . OPERATIONS . FINANCE AND COST ALLOCATION



A California WaterFix Dialogue:  
QUESTIONS AND ANSWERS

SEPTEMBER 2017





## MODERNIZING THE SYSTEM: CALIFORNIA WATERFIX INFRASTRUCTURE . OPERATIONS . FINANCE AND COST ALLOCATION

### A California WaterFix Dialogue: QUESTIONS AND ANSWERS

Benefit Analysis and Assumptions.....	1
Cost/Cost Effectiveness.....	6
Environmental Stewardship/Sustainability.....	10
Equity.....	13
Governance/Implementation .....	14
Investment in Local Resources.....	16
Uncertainties .....	17
Other .....	20
Comparison of Economic Studies.....	23



# INTRODUCTION

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For more than a decade, Metropolitan and other public water agencies throughout California have been working toward a solution to address problems in the Sacramento-San Joaquin Delta that are reducing the reliability of water deliveries and contributing to a declining ecosystem. About one-third of the water that flows out of taps in Southern California comes from Northern California watersheds. Reliance on these supplies will continue even as our region makes advances in conservation and build new local supplies.

California WaterFix is the product of rigorous review, planning, scientific and environmental analysis and unprecedented public comment, including:

- Significant planning work for the design and construction of the project to address public comment about impacts to Delta communities and providing appropriate risk management strategies.
- Extensive analysis by water and wildlife agencies for conveyance system improvements and an operations framework that will improve water supply reliability, enhance fishery habitat and address climate change impacts.
- Development of project costs, cost allocation information and financing approaches.

Over the past several months, Metropolitan staff has provided detailed information on these and other issues in a series of policy white papers and other outreach materials, and made more than 100 presentations to elected officials, community leaders, businesses, water agencies and other organizations who have an important voice in the water policies and decisions that affect them. That essential public dialogue has included significant discussion, questions and responses about California WaterFix, its operations, construction, benefits and costs.

This document includes many of the most commonly asked questions about the project with responses from Metropolitan staff who are subject matter experts on a wide range of water management and planning, system operations, Delta science, construction, financing, and other related issues. These questions are organized into the following sections:

- Benefit Analysis and Assumptions
- Cost/Cost-Effectiveness
- Environmental Stewardship/Sustainability
- Equity
- Governance/Implementation
- Investment in Local Resources
- Uncertainties
- Other
- Comparison of Economic Studies



# California WaterFix Benefit Analysis and Assumptions

## What are the benefits of the California WaterFix?

Recognizing the significance of the State Water Project (SWP) supply, and the need to modernize the state's conveyance system, Metropolitan's Board of Directors adopted the Delta Action Plan and Delta Conveyance Criteria in June 2007 and September 2007, respectively. As explained in the second White Paper, "Modernizing the System: California WaterFix Operations," the operational aspects of California WaterFix meet the board's adopted Delta Conveyance Criteria by providing water supply reliability and improved water quality in an environmentally responsible manner.

Table 5 of White Paper 2 summarizes the benefits to Metropolitan:

TABLE 5: DELTA CONVEYANCE CRITERIA

Board-Adopted Delta Conveyance Criteria	California WaterFix
Enhance Ecosystem Fishery Habitat Throughout Delta	<ul style="list-style-type: none"><li>Provides extensive restoration of tidal marshes and channel margin habitat.</li></ul>
Allow Flexible Pumping Operations in a Dynamic Fishery Environment	<ul style="list-style-type: none"><li>Three new intakes in the northern Delta, along with the existing State Water Project intake in southern Delta, create the necessary flexibility to avoid conflicts between different fishery needs.</li><li>The ability to manage the system using north and south Delta diversion locations, allow for improved flow patterns in the Delta to benefit fish during fish sensitive times.</li></ul>
Provide Water Supply Reliability	<ul style="list-style-type: none"><li>The California WaterFix proposal is consistent with Metropolitan's IRP.</li></ul>
Improve Export Water Quality	<ul style="list-style-type: none"><li>Water quality from new northern Delta intakes is improved; salinity, for example, is improved approximately 20 percent.</li></ul>
Reduce Seismic Risks	<ul style="list-style-type: none"><li>Twin tunnels to convey water from northern Delta would protect future critical supply needs from natural disasters.</li></ul>
Reduce Climate Change Risks	<ul style="list-style-type: none"><li>Intakes in northern Delta are upstream of predicted long-term salinity intrusion due to climate change.</li></ul>





# California WaterFix Benefit Analysis and Assumptions

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Do costs follow benefits and “beneficiary pays” principle? What is the basis for the 45/55 CVP/SWP cost split?

As explained in the third White Paper, “Modernizing the System: California WaterFix Finance and Cost Allocation,” the costs of California WaterFix follow water supply benefits and the beneficiary pays principle. For the SWP 55 percent share of costs, California WaterFix would be treated like any other major improvement to the SWP system. Under the California Water Code, the Department of Water Resources (DWR) is responsible for the construction, maintenance, and operation of the SWP and for securing funding for related costs. The SWP share of California WaterFix costs would be paid by the SWP contractors in accordance with the long-term DWR State Water contracts.

SWP contractors must make fixed cost payments regardless of the amount of SWP water actually received. The State Water Contracts require payments to DWR in return for participation in the SWP storage and conveyance system. All SWP contractors must make payments according to their respective Table A contract amounts and for the portion of the SWP conveyance system needed to deliver their contracted water. The cost of power to deliver water varies with the amount of water delivered.

Therefore, each SWP contractor’s share of the costs of the SWP, including California WaterFix, are in proportion to their respective participation rights, the beneficiaries pay for their proportionate share of the new infrastructure.

With respect to the Central Valley Project (CVP) 45 percent share of costs, CVP contractors who commit to paying their respective shares of the cost will receive proportionate benefits, consistent with the beneficiary pays principle.

The CVP/SWP split is based on the historic water split in deliveries between the two projects, which in general has been approximately 45 percent CVP and 55 percent SWP. San Luis Reservoir is also split 45 percent CVP and 55 percent SWP.

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What is the basis for Metropolitan’s estimate of water supply benefits of California WaterFix? Why don’t Metropolitan and other public agencies use the CEQA water yield baseline to estimate water supply benefits of California WaterFix?

In order to reasonably estimate what future water yields with and without California Water Fix would be, Metropolitan started with DWR’s modeling of future conditions and regulations with California WaterFix as modeled for the EIR/EIS. It then compared future water yield with modeling of the identical set of conditions but without California WaterFix. This is an appropriate comparison because it assumes consistent future conditions with and without California WaterFix. This modeling was also published by DWR in its 2015 Delivery Capability Report. It is reasonable to use the same modeling of anticipated future SWP reliability that DWR published in its 2015 Delivery Capability Report, which are the same modeled future conditions Metropolitan relied on in its 2015 Update to the IRP.





# California WaterFix Benefit Analysis and Assumptions

Consistent with the state's CEQA Guidelines, DWR as the lead agency evaluated the potentially significant environmental impacts of California WaterFix with reference to the existing conditions baseline, which includes regulations that were in place at the time it issued the Notice of Preparation for the Environmental Impact Report in February 2009, along with regulations in the NMFS biological opinion that became operative shortly thereafter. This makes the CEQA existing conditions environmental baseline an inappropriate basis of comparison with regard to comparing future SWP water supplies with and without California WaterFix because the underlying conditions and regulations do not allow for an apples-to-apples comparison of future SWP water supplies with and without California WaterFix.

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What percentage of export water flow is diverted at the northern intake? Will that reduce the amount of water flowing out of the Delta? Will this result in greater salinity intrusion into the Delta?

Operating criteria for California WaterFix will define the amount of water that can be diverted from the northern intakes based on a number of different conditions. Chief among these are what is known as by-pass flow criteria, which restrict diversions at lower Sacramento River flows but allow for greater diversions as river flows increase. Thus, during low river flow conditions, the percentage of export water diverted from the northern intakes will generally be lower than from the south, and during high river flows, the percentage from the north will generally be higher than from the south. On a long-term average basis, the split between north and south diversions is expected to be roughly 50/50. For the average of wet years, the amount from the northern intakes will be closer to 60 percent. For dry and critical years the average from the northern intakes will be closer to 30 percent.

Water diverted from the northern intakes will obviously reduce water flowing in the Sacramento River, but it will not necessarily reduce the amount of water flowing out of the Delta, and thus will not have an appreciable effect on seawater salinity intrusion. The total water flowing through the Delta will meet all applicable existing and new regulatory requirements to protect beneficial uses, including fish and wildlife, Delta agriculture, and in-Delta municipal and industrial uses. Compliance with D-1641 salinity standards is a requirement of the SWP and CVP water rights permits.

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Does the project require new storage to be effective?

The modeling analysis shows that California WaterFix is effective in improving the operations and yield of the SWP without assuming any new storage. With California WaterFix, Metropolitan will be able to better utilize its historic investment in its groundwater and surface storage. Additional system storage elsewhere in the state, e.g., Sites Reservoir, would further increase the benefit of California WaterFix.

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# California WaterFix Benefit Analysis and Assumptions

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Do the final biological opinions make a difference to the analysis of the potential water yield?

No. The “Modernizing the System: California WaterFix Operations” White Paper was informed by the Recirculated and Final EIR/S, revised biological assessment, and biological opinions. The biological assessment was amended earlier this year but those edits did not change the modeling approach or water supply results reported in the Final EIR/S. The biological opinions analyzed the project described in the amended biological assessment and did not change the proposed initial California WaterFix operation

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Can the SWP Contractors opt out of their shares? If Metropolitan will pick up transferred shares from others, how will those be paid? Will Metropolitan have to guarantee to accept transfer or purchase of unwanted allocations in order to finance the project?

While all SWP contractors south of the Delta would participate in California WaterFix, some contractors may wish to balance the increased reliability of the project against its increased costs. This would be accomplished by adjusting their contractual rights to Table A water through voluntary agreements with other SWP contractors, consistent with the tools and flexibility available under the existing SWP long-term contracts. The mechanisms being explored include permanent Table A transfers, multi-year transfers, and water banking. Payment would be on terms as negotiated by the SWP contractor parties. While staff has been engaged in constructive discussions with other SWP Contractors to explore such options, no authorization to enter into a transfer or banking agreement is being requested at this time. Metropolitan’s Board is being asked only to consider its action consistent with Metropolitan’s 25.9 percent share of overall project costs.

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Why are the California WaterFix benefits different in the 2015 IRP and the 2015 UWMP?

The long term projected deliveries from the SWP with the California WaterFix are identical in both the IRP and the UWMP, 1.213 million- acre-feet on average.

The difference in the reports comes from what is reported as additional water supply due to California WaterFix. In the 2015 IRP it was assumed that, with no action to address long-term flow and fisheries issues through a long-term commitment to California WaterFix, more stringent flow regulations would be established for fishery protection resulting in SWP supplies of 837,000 acre-feet on average between 2020 and 2030. In 2030, the difference between this condition and with California WaterFix was shown as 376,000 acre-feet. In the 2015 UWMP, it was assumed that adaptive management and collaborative science actions would be established prior to the implementation of California WaterFix resulting in less stringent flow regulations resulting in SWP supplies of 984,000 acre-feet on average. In 2030, the difference between this condition and with California WaterFix is 229,000 acre-feet. The 2015 UWMP shows a total of 248,000 acre-feet of Delta Improvements in 2030, this number includes 19,000 acre-feet of improvement in Desert Water Agency and Coachella Valley Water District supplies in addition to the 229,000 acre-feet described above.

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# California WaterFix Benefit Analysis and Assumptions

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What assumptions are being made by Metropolitan in calculating the cost impacts to member agencies?

Cost analysis on California WaterFix has been provided with all costs (capital, O&M, and mitigation). In the analysis, costs are assumed to be recovered through the volumetric water rate with a total sales assumption of 1.7 MAF. None of the costs were estimated as being recovered through fixed charges like property taxes. Member agency impacts from the cost of California WaterFix are thus dependent on their total consumption of Metropolitan services. Household impacts shown by Metropolitan were estimated by spreading the residential proportion of the total cost over the current number of households in the service area. Actual household impacts will be a function of the particular household's water use and the proportion of services that their retail water purveyors purchase from Metropolitan.

Note that the Department of Water Resources has not yet determined what proportion of the facilities will be classified as Conservation and Transportation within the SWP system.

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On slide 30 of "Modernizing the System: California Water Fix Operations" White Paper, in estimating the water supply benefit, does the analysis assume that the north Delta diversions are always operated at full capacity of 9,000 cfs?

No. The modeling analysis is based on a range of hydrologic conditions that includes river flows. In turn, the river flows dictate the amount that would be diverted from the north Delta intakes, ranging from 0 to 9,000 cfs. Thus, there is no explicit assumption that river flows and operations operate at the upper end of its range in order to generate the modeled results that have been shown.

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Are the assumed operations modeled out to 2040 to correspond with the IRP?

The IRP modeling projections through year 2040 use DWR modeling of SWP supplies that incorporate future climate change, population, and land use conditions. For the California WaterFix Biological Assessment, DWR developed modeling studies that reflect 2030 conditions. These studies are used to represent future conditions in the early long-term time period.

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Can we meet the water quality goal of 500 TDS without a reliable SWP supply?

Metropolitan currently meets its regional water quality salinity goal of 500 total dissolved solids (TDS) by blending lower salinity State Water Project supplies with the higher salinity Colorado River Aqueduct supplies. To meet these blending goals, on average Metropolitan needs about 950,000 acre-feet of SWP supplies. Without the water supply reliability improvements provided by the California WaterFix, Metropolitan will be less likely to meet this salinity goal.

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# California WaterFix Cost/Cost-Effectiveness

Why are there so many different cost estimates? Which one is right?

The cost estimates for the project were developed by industry professionals after a rigorous review process. DWR used the most conservative estimate for project planning purposes (i.e., the highest cost estimate). This amount was adopted in 2014 by DWR and was later updated to 2017 dollars for ease of consideration. These estimates were summarized in the Modernizing the System: California WaterFix Finance and Cost Allocation white paper as follows:

Capital	State's Estimate (2014 \$)	2017 \$ <sup>1</sup>
Conveyance Facility	\$14.9B	\$16.3B
Mitigation	\$1.4B	\$1.5B
<b>Total Capital</b>	<b>\$15.3B</b>	<b>\$16.7B</b>

O & M	2014 \$	2017 \$
Conveyance Facility <sup>2</sup>	\$40.3M	\$44.1M
Mitigation	\$18.6M	\$20.3M
<b>Total O&amp;M (Annual)</b>	<b>\$58.9 M/YR</b>	<b>\$64.4 M/YR</b>

1. Based on annual escalation rate of 3 percent
2. When project is fully operational

What changed from the 2013 estimated household impact of \$5 per month to current estimates?

The 2013 estimated impact of the California WaterFix was based on similar capital and O&M costs but was based on a capital financing rate of 6.135%, a Metropolitan project share of between 25 percent and 30 percent and household water use of 20 hundred cubic feet. This resulted in an average household impact from \$3 to \$4 per month which was rounded up to \$5, as a conservative estimate.

The current estimate assumes capital financing rates of between 4 percent and 8 percent and a Metropolitan project share of 25.9 percent. Also the average household water use of 20 hundred cubic feet was a high assumption for household consumption. As such, the average household impact calculation has been revised and is now based on the number of households in the service area (see details on page 14 of California WaterFix "Modernizing the System: Financing/Cost Allocation" White Paper). The current estimated average household impact for the California WaterFix is \$2 to \$3 per month.

Do the water user and household costs include the financing costs, interest rates and potential cost overruns?

Yes. The cost estimates include all financing costs (principle and interest) and include contingencies to cover cost adjustments (36 percent on the water facility, 20 percent on land acquisition and 35 percent on the cost of environmental mitigation).





## California WaterFix Cost/Cost-Effectiveness

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I'm hearing different estimates of project costs in the media and the internet. What's the cost of California WaterFix?

The overall costs for California WaterFix's proposed infrastructure improvements and environmental mitigation are described in the "Modernizing the System: California WaterFix Infrastructure" White Paper. These materials are drawn from cost estimates developed by DWR and rigorously analyzed by industry professionals.

These cost estimates reflect a significant engineering analysis that formulates and defines the design criteria for each major component of California WaterFix, resulting in the optimal alignment and other features. Based on these estimates, California WaterFix's capital costs are estimated to total \$14.9 billion in 2014 dollars. For White Paper 3, the cost estimates have been converted to 2017 dollars based on an annual escalation rate of 3 percent. In 2017 dollars, the capital cost for California WaterFix is estimated to be \$16.3 billion, excluding mitigation costs.

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Will funding California WaterFix preclude Metropolitan and its member agencies from investing in the kinds of local water supply actions identified in the IRP and Metropolitan's and its member agencies' UWMPs?

The IRP has been and will continue to be a diversified and comprehensive approach to developing regional water supply reliability. Metropolitan, its member agencies and local agencies have made historic regional investments in conservation and local resources developments since the inaugural IRP in 1996, all while making multi-billion dollar regional investments in Metropolitan's storage portfolio, treatment and distribution system. California WaterFix is part of the overall regional strategy of stabilizing imported supplies and building increased water use efficiency and local supplies, and investments will continue to be pursued in each of the specified areas.

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When do the costs for California WaterFix start showing up in the water bill?

If California WaterFix is approved by Metropolitan's Board and other public water agencies and the project starts in 2019, the costs for the California WaterFix will be incorporated in Metropolitan's rates and charges as soon as 2019. The initial impact will be very small and the full impact of the project will ramp up slowly and peak around 2033, when the project is completed and fully operational.

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California WaterFix costs make up what percent of Metropolitan's 4.5 percent projected annual expected rate increase?

Metropolitan's Ten-Year Financial Forecast, produced as part of the fiscal year 2016/17 and 2017/18 Biennial Budget, estimated annual rate increases of 4.5 percent for 2019 through 2026, which included cost estimates for California WaterFix. The California WaterFix makes up 1 percent to 2 percent of the annual increases.

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## California WaterFix Cost/Cost-Effectiveness

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Where did the \$67 billion figure come from?

The San Jose Mercury News reported in December 2013 that a staff member of the Westlands Water District and a Citigroup bond consultant told the Westlands board that including long-term financing, the project would cost between \$51 billion and \$67 billion. The Westlands presentation looked at three scenarios. Each considered bonds issued for 30 years at 5 percent interest. They pegged the cost to build the tunnels at \$18 billion, and overall cost with financing at \$42 billion to \$58 billion. With the \$9 billion more in wetlands restoration, monitoring, and other costs included, the grand total is \$51 billion to \$67 billion.

These high cost scenarios are the result of using a costly financing technique called capitalized interest. When interest is capitalized, no interest payments are made but instead the interest charges are added to the principal balance of the loan. Due to the very long fifteen year construction period of California WaterFix capitalizing interest can substantially increase the cost of the project. As such, Metropolitan does not support capitalizing interest. Metropolitan's estimates for California WaterFix are based on financing with traditional, level annual debt service with no interest or principal deferment during construction.

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What are the impacts when financing capital with 30-year term bonds?

Metropolitan's base case estimate for California WaterFix is based on financing with 40-year fixed rate bonds at an interest rate of 4 percent. When the project is fully operational this results in a Metropolitan cost impact of 13 percent and an average household impact within Metropolitan's service area of \$1.90 per month. See White Paper #3 for full details.

If however the project was financed with 30-year fixed rate bonds at an interest rate of 4 percent, Metropolitan's cost impact would increase to 15 percent and the average household impact would increase to \$2.20 per month.

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What is included in the capital cost estimate? Do DWR's California WaterFix cost estimates include the cost of CCWD settlement or additional tidal marsh required in the biological opinions?

The capital cost estimate includes facility construction; program management, construction management and engineering; land acquisition; mitigation; and contingencies. Contingency as a percent of construction was established at 36 percent, which is appropriate for the level of design completed for the California WaterFix to date. Contingency as a percent of environmental mitigation was established at 35 percent. The cost of the CCWD settlement, as well as other future settlements or such things as additional, unanticipated costs of tidal marsh habitat or other additional mitigation requirements are covered within the overall contingencies contingency.



## California WaterFix Cost/Cost-Effectiveness

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### Is investment in local resources more cost effective than California WaterFix?

Developing new local supplies is an essential part of Metropolitan's IRP and local supplies benefit by the lower salinity water that the SWP provides as compared to imported Colorado River supplies.

New local supplies are expected to be much more costly to develop than California WaterFix. There is no savings if Metropolitan does not invest in California WaterFix. Instead, to meet the region's reliability goals, the region would need to spend two to three times more, based on our analysis of existing local supply projects and those that have been evaluated to date.

In addition, local water supplies are not immune from future risks and uncertainty, including changing hydrology and regulatory and permitting constraints.

The Operations White Paper and the Finance and Cost Allocation White Paper collectively showed the range of costs for an approximate 25.9 percent share of the costs and total water supply from a system with California WaterFix. Surveyed information from the 2015 IRP Update from the member agencies showed that the ranges of cost to develop specifically identified future projects in distributed storm water capture, recycled water and seawater desalination are two or more times the cost of California WaterFix (annual and per household). In addition, the investment in California WaterFix will make continued investment in local supplies more viable. The State Water Project with California WaterFix will play a role in sustaining the groundwater supplies of southern California through the replenishment and recharge of higher quality and more reliable water supply. The higher quality imported water also enables blending with Colorado River supplies to enable more efficient reuse of water through recycled water projects as it is easier to treat and allows for multiple treatments than more highly saline supplies.

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### Will the project disproportionately impact fixed-income and low-income households?

No. California WaterFix is favorable for fixed- and low-income households.

First, California WaterFix is more cost-effective than other local supply alternatives. A comparison of household impacts showed that California WaterFix would add \$2 to \$3 per household per month in the service area. Providing a similar level of water supply reliability with recycled water or seawater desalination would add \$5 to \$7 per month to those same households, thus California WaterFix will result in a savings of \$3 to \$5 per household per month.

Second, California WaterFix will help sustain the agricultural industry in California, resulting in more stable food prices in the future.

Third, California WaterFix will help to sustain and grow California's economic base. A reliable water supply is tied to a thriving economy and a thriving economy provides jobs and economic welfare to the state.

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## California WaterFix Environmental Stewardship/Sustainability

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Instead of building a twin-tunnel California WaterFix project, would it be better to engage in a scaled-down project?

The California WaterFix is already a scaled-down project relative to the original design, and has been sized in a manner intended to meet regulatory requirements, including the ESA and CESA. The EIR/EIS evaluated even smaller-scale conveyance alternatives consisting of only one 3,000 cfs intake. Under this alternative, the limited ability to divert water in the north Delta would be greatly reduced and approximately 75 percent of Delta exports on a long-term average basis would continue to be diverted from the south Delta intakes. This level of dependence on south Delta intakes would greatly reduce operational flexibility and reliability, and reduce the ecological benefits of the project. Continued heavy reliance on the south Delta pumps would also leave the SWP more vulnerable in the event of levee failures from a seismic event, and less able to adapt to the effects of climate change.

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How will environmental mitigation be funded and implemented?

Environmental mitigation required for California WaterFix will be funded by the public water agencies along with all other capital, operations and maintenance project costs, and is already included in the cost estimate. The cost estimate for environmental mitigation includes a 35 percent contingency.

Environmental mitigation for temporary and permanent impacts of construction impacts will be implemented in step with construction impacts, consistent with DWR's mitigation monitoring and reporting program (MMRP) and the requirements of the biological opinions and California Endangered Species Act incidental take permit. While DWR is ultimately responsible for ensuring implementation of the MMRP, the Delta Conveyance Design and Construction Joint Powers Authority (DCA) will be responsible for planning, land and conservation easement acquisition, and implementation, monitoring and reporting of mitigation measures during construction. After the DCA sunsets after construction and commissioning is completed, DWR, as the owner/operator, will be responsible for ensuring that any remaining monitoring and reporting requirements are met.

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How does California WaterFix fit in with California EcoRestore?

California WaterFix and California EcoRestore are parallel state efforts intended to complement one another, and together advance the state's coequal goals for the Delta of reliable water supplies and restoration, enhancement and protection of the Delta ecosystem. Governor Brown has affirmed the state's commitment to furthering large-scale habitat restoration in the Delta in a separate program called California EcoRestore. While DWR is responsible for implementing California WaterFix, and that project includes habitat restoration as mitigation for construction and operational impacts, California Natural Resources Agency is tasked with implementing California EcoRestore in coordination with state and federal agencies to advance the restoration of at least 30,000 acres of habitat by 2020, including specific goals for restoration or enhancement of tidal wetlands, floodplain, upland, riparian, and fish passage improvements to benefit native species that spend all or part of their life cycles in the Delta.





## California WaterFix Environmental Stewardship/Sustainability

More details on the relationship between California WaterFix, California EcoRestore, and other programs to advance environmental restoration in the Delta watershed is available at pages 19-21 of the “Modernizing the System: California WaterFix Operations” White Paper.

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Why aren't the California WaterFix northern intake diversion criteria linear with respect to diversion amounts and Sacramento flow?

The bypass flow criteria controlling the operation of the North Delta Diversion ensure that Sacramento River flows remain at levels that are protective of the fisheries. The criteria vary by time of year and the status of the river flows with regard to monitored “pulse” flows. The bypass flow criteria are designed to be appropriately protective of the fishery needs and thus are not linear with regard to Sacramento River flow.

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How will the project impact Greenhouse Gas emissions?

Construction-related GHG emissions will be net zero, meaning emissions will be reduced to the maximum extent feasible and any remaining emissions from the project will be offset elsewhere by emissions reductions of equal amount. This is an enforceable commitment and is included in DWR's adopted Mitigation Monitoring and Reporting Program, and will be achieved in consultation with the relevant regional air quality districts, the U.S. Environmental Protection Agency, and the California Energy Commission.

While operations would increase GHG emissions from the SWP, the Final EIR determined that operational GHG impacts will be less than significant. DWR has adopted a Climate Action Plan (CAP), which calls for a reduction of GHG emissions to 50 percent of 1990 levels by 2020 and to 80 percent of 1990 levels by 2050. The implementation of California WaterFix would not affect achievement of these goals.

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What is the real purpose of Metropolitan's purchase of the Delta islands? Is it to be used on EcoRestore? If so, will the dollars spent on the purchase of the islands counts towards the Metropolitan contribution on the California WaterFix? Who else is paying for EcoRestore?

Metropolitan's Board approved the purchase agreement for these lands to assist in improving Metropolitan's SWP supply reliability, ensure continued high quality supplies, and enhance long-term ecosystem stability in the Delta.

These values are consistent with the state's co-equal goals of an enhance Delta ecosystem and reliable water supply for California.





## California WaterFix Environmental Stewardship/Sustainability

These lands could also provide future opportunities to reduce subsidence through carbon sequestration, develop food and shelter (i.e., tidal wetlands) for migrating salmon and delta smelt, strengthen levees against flooding and earthquakes along the fresh water corridor, and support state efforts in the proposed California WaterFix.

Metropolitan would be compensated for lands that are needed for the project, including lands for temporary construction areas or permanent facility sites or for mitigation areas.

Funding for habitat enhancements unassociated with California WaterFix mitigation will come primarily from Propositions 1 and 1E, AB 32 Greenhouse Gas Reduction Fund, and local, federal, and private investment. Funding used for developing projects to meet regulatory compliance responsibilities for California WaterFix and for the SWP/CVP in general, will come from state and federal water users.

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### How will the project benefit listed fish species?

As explained in the second White Paper, "Modernizing the System: California WaterFix Operations," the environmental benefits of California WaterFix for listed fish species include reduced south Delta pumping, providing a more natural upstream-to-downstream flow pattern during periods important for fishery protection and less direct fish entrainment in the south Delta diversion facilities.

The California WaterFix biological opinions and the EIR/EIS incorporate a variety of measures designed to mitigate potential construction and operation impacts, and to enhance environmental conditions in the Delta, including habitat restoration, protection, enhancement, and management activities.

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### Are there any adverse impacts to listed fish species?

There are localized impacts on listed species, but overall, the project will have less than significant impacts on all listed fish species, and the fish agencies have concluded that the project will not jeopardize listed species and will meet the fully mitigated requirements of the California Endangered Species Act.

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### Would the tunnels increase the amount of energy used to transport water?

The tunnels can operate up to half capacity under certain river conditions with full gravity flow, requiring no additional energy. When there is a need for the tunnels to divert higher flows at the north intakes, there will be some increase in energy needed to convey the water south to the pump facilities.



## California WaterFix Equity

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Will urban and municipal water districts end up subsidizing the costs of agricultural users in the California WaterFix project?

No. The option being presented for board action assumes the SWP/CVP cost share of 55/45 percent, with Metropolitan's share of total costs at 25.9 percent. Metropolitan would not be committed to paying any more than its 25.9 percent share, and would not subsidize any other water contractor's share of project costs.

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Can California WaterFix be funded? What if the federal water contractors don't fully participate? How many SWP/CVP agencies/members are needed to make the California WaterFix financially work?

California WaterFix funding was addressed in "Modernizing the System: California WaterFix Finance and Cost Allocation" White Paper. Metropolitan's share of funding is 25.9 percent share of overall project costs based on the assumption that the other public water agencies also decide to participate in the project. With respect to participation by the CVP contractors, or other SWP contractors, it is important to note that Metropolitan's Board will be asked only to consider its action consistent with Metropolitan's 25.9 percent share of overall project costs. In other words, Metropolitan's decision will not result in Metropolitan being required to fund more than its 25.9 percent share, nor will it authorize the general manager to commit Metropolitan to funding continued design and other pre-construction work. If other public water agencies decide not to participate in the project, staff will come back to the board with options for consideration.

Staff's analysis is on the current allocation of costs between CVP/SWP, and Metropolitan assuming a total of 25.9% of costs and benefits.

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## California WaterFix Governance/Implementation

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What is a joint exercise of powers authority and why is one being used to construct the California WaterFix?

A joint powers authority (JPA) enables two or more public agencies to enter a contract to jointly exercise any powers common to the individual agencies to achieve a specified purpose. While the JPA agreement need not establish a new public entity separate from its members, such agreements often do. As public agencies, JPAs are subject to California's open meeting laws and Public Records Act requirements, and they must meet strict financial accountability requirements and provide for regular audits, among other things, in compliance with the California Joint Exercise of Powers Act. JPAs are often formed to carry out a variety of public functions, including construction and operation of regional airports, transit (e.g., highways, commuter rail service, subways, etc.), parks and open space, water supply, and fire protection, to name a few.

Forming a Delta Conveyance Design and Construction JPA (DCA) that will contract with DWR for the design and construction of California WaterFix provides a means for the beneficiaries of the project who will ultimately fund it, including Metropolitan, to pool expertise and resources to safely design, construct and deliver the project on time, on budget and in accordance with approved specifications, while managing risk prudently. A single-purpose entity is also more efficient as it can hire the exact expertise required and will have a mission solely focused on completing California WaterFix on time and within budget.

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Is it appropriate that a JPA will buy DWR's bonds and issue bonds of its own?

DWR has filed a validation action seeking a judicial confirmation of DWR's authority to issue revenue bonds for State Water Project facilities, including California WaterFix. Validation actions are common in agency financing matters. During the pendency of the validation action, the marketability of California WaterFix Revenue Bonds to private investors may be affected. Therefore, DWR proposes the direct placement sales of bonds to a Finance JPA until resolution of the validation action. This approach is appropriate to allow financing to move forward and as a means of controlling financing costs.

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Has staff considered the possibility of extending the DCA's duties to include operations of the WaterFix?

No. Under current law, DWR is charged with operating and maintaining the State Water Project, including California WaterFix. Delta Conveyance Design and Construction Joint Powers Authority (DCA) will be a single-purpose entity formed to complete design and oversee project construction, which is more efficient than DWR hiring additional staff, then downsizing at the end of construction. Operations would require different staff with different skill sets. The DCA sunsets when project construction and commissioning and any necessary follow-up actions are completed.

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## California WaterFix Governance/Implementation

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How will the Adaptive Management Program work? How will Metropolitan be represented in that process? Is the Interagency Implementation and Coordination Group going to be a voting body?

The Adaptive Management Program (AMP) will enhance application of science to support decision making related to SWP/CVP operations of SWP/CVP Delta facilities and construction and operations of the California WaterFix. A key aspect of the AMP is the creation of an Interagency Implementation and Coordination Group (IICG) that will be responsible for coordinating and implementing the program. The IICG will have a designated representative from DWR, Reclamation, USFWS, NMFS, CDFW, a SWP contractor, and a CVP contractor. Adaptive management recommendations by the IICG shall be by consensus of the representatives. In the event of a dispute within the IICG, a representative may invoke a non-binding review panel process. In this event, a final decision will be by the entity with decision-making authority over the matter, after considering the panel opinions.

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## California WaterFix Investment in Local Resources

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### Is seawater desalination a feasible alternative to the California WaterFix?

Although Metropolitan and its member agencies are pursuing seawater desalination projects as part of its regional integrated resources program, the size and cost of replacing 300,000 to 400,000 AF of SWP supplies with seawater desalination makes desalination infeasible.

The current cost of desalination projects are around three times more expensive than California WaterFix. In addition, desalination projects have significant environmental, project siting, and product reliability hurdles to overcome as well.

Further, Metropolitan has made significant investments (including Diamond Valley Lake reservoir, Inland Feeder, etc.) over the last few decades to ensure a reliable, high quality SWP supply. Moving away from this strategy would strand all or a portion of these significant investments.

California WaterFix provides seismic reliability, adaptation to climate change, and water quality benefits for the SWP as a whole, which seawater desalination does not address.

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### How did staff calculate costs of alternative water supplies?

As part of the technical process of the 2015 IRP Update, staff surveyed its member agencies to identify potential local projects with their development status and estimated costs of construction and production. These costs, specific to each project identified by the member agencies, were used to develop the range of costs of alternatives, by type. For the comparisons to recycled water and seawater desalination, staff used the cost of a specific project as representative of the cost. For recycled water, the Regional Recycled Water Project was selected because cost information on that project was recently assessed and documented in the Feasibility Study finalized this year by Metropolitan. For seawater desalination, the Carlsbad Desalination facility was selected because it represented a recent and in-service larger scale project in the service area. The costs of both selected projects fell near or within the range of the surveyed costs of projects from the member agencies. The alternative costs are likely on the low side, given that the costs of future projects will likely increase as the required yield increases.





## California WaterFix Uncertainties

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What happens if a state or federal regulatory agency puts more restrictions on imported water supplies?

The primary purpose and water supply reliability benefit of California WaterFix is that the dual conveyance from the addition of the north Delta diversions, isolated tunnels and modernized fishery protections provide flexibility that allows the SWP/CVP to operate more effectively in the face of current and anticipated future regulations. Future regulations will affect the overall reliability of water supplies from the Delta, but the flexibility and redundancy from the dual-conveyance intake system will provide higher water supply reliability than the current system with only the south Delta intakes. In an uncertain future, whether that uncertainty arises from potential new regulations, climate change or potential seismic threats, the flexibility provided by California WaterFix will be more resilient and reliable than the current system. It should also be noted that other alternatives to California WaterFix are not immune to future regulatory challenges. Large-scale storm water capture, recycled water and seawater desalination are all subject to water quality and contaminant regulations that can and have affected their operations and projected yields and are susceptible to climate change effects.

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What is the timing and potential impact of the litigation in which the Delta Plan was held to be invalid? If the Delta Plan is amended to comply with the trial court order, how might that affect water supply benefits, implementation schedule, and cost of California WaterFix?

The seven coordinated Delta Stewardship Council Cases are on appeal. The trial court has yet to file the record with the Court of Appeal, but is anticipated to do so soon. Once filed, that triggers a one-year briefing schedule, after which the Court of Appeal must set and hold a hearing, after which it will have 90 days to issue its opinion. Absent an order of the court, the appeals automatically stay the trial court's order, so the Delta Plan remains in effect. DWR is expected to file its Certification of Consistency in the coming months, prior to start of construction, which will precede the Court of Appeal's opinion.

If the Delta Stewardship Council were to amend the Delta Plan to comply with the trial court's order, it is unknown what targets it would adopt for achieving reduced reliance on water from the Delta, reduced environmental harm from invasive species, restoring more natural flows in the Delta, and increased water supply reliability, or what regulatory policy it may adopt to promote options for new conveyance, storage, and the operations of both to achieve the coequal goals. If those amendments occur after DWR certifies consistency, they would not apply retroactively.

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Does the modeling take climate change into account, including Sea Level Rise, salt water intrusion, change in amount, type and timing of precipitation in the watershed?

Yes. The modeling of California WaterFix supporting the EIR/EIS incorporated anticipated impacts of climate change, and thus is incorporated in the estimated total project yields. California WaterFix is designed to be resilient to long-term estimates of sea-level rise (up to 55 inches) and provide higher water quality in the face of future salinity intrusion in the delta. The addition of the north Delta diversions and the isolated tunnel conveyance provide flexibility and capacity to adapt to changes in the amount, type and timing of precipitation because it increases the diversion capacity that can operate in conditions of periodic higher river flows that will result from warmer and more intense rain-driven storms as well as earlier snowmelt runoff periods

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Has DWR performed sufficient engineering and collected adequate geotechnical data for the WaterFix alignment?

Yes, the amount of information collected to date is appropriate for this stage of the planning/decision process and corresponding level of design that has been completed to date. As the project moves toward construction, DWR or the DCA will obtain more information, and this information will be used to design the specific components of the system (tunnels, shafts, intakes and forebays).

The geotechnical program planned for the California WaterFix consists of multiple technologies to collect data. The total number of samples to be collected could be a maximum of 2,000, but if initial data shows good uniformity and consistency, then the number of samples collected could be less.

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What are the costs estimates for the 50 percent confidence level and 100 percent confidence level?

As displayed in Figure 11 of White Paper 1, the Base plus Risk (with mitigation) shows the cost estimate at approximately \$10.4 billion for the 50 percent confidence interval and approximately \$12.7 billion for the 100 percent confidence interval (in 2014 dollars). In 2017 dollars, this is \$11.4 billion for the 50 percent confidence interval and \$13.9 billion for the 100 percent confidence interval.

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What was the makeup of the risk assessment cost estimate focus group? Was it contractors, owners, or a mix of the two?

The group included owners' experts from both Metropolitan and DWR, and consultants with knowledge of the program and experience in heavy construction, cost estimating, tunnel contracting and TBM procurement.

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## Can California WaterFix be constructed on time and under budget?

Staff is confident that with the proposed structure of the DCA, and Metropolitan's continued involvement in the implementation of the project, California WaterFix will be constructed on time and on budget.

Experts who have reviewed the project implementation plans have determined that budget and schedule for California WaterFix can be properly managed with planning and the use of risk management strategies. For example, the cost estimates for the project have been scrutinized through extensive review and include sizeable contingencies. The Design and Construction JPA will consist of a program team of owners' representatives as well as consultants that are proven experts not only in technical subjects, but also in project/program management-related work dedicated to risk management in order to ensure effective management of schedule and budget. The program team will be continuously looking ahead to anticipate the potential for specific issues to arise and developing a plan to ensure that all risks are cost-effectively managed throughout the project.

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## Has the risk that some kind of invasive shelled aquatic species fouling up the intakes been considered?

Yes. Specifically the new fish screens will be continually cleaned with an automated screen-cleaning system that is monitored to ensure debris and aquatic build up is kept to a minimum. Those will be a different approach from what Metropolitan uses on the Colorado River Aqueduct Intake Pump Plant screens which are periodically taken out of service for massive cleaning operations. The automated system for California WaterFix will scrub the screens on a regular basis to remove invasive species. Also, the intakes are designed to be isolated in a modular form so that portions of the intake conduits can be taken out of service for cleaning while the rest of the structure remains in service, however, there should be very few occasions where the entire intake is removed from service for invasive species cleaning.

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## If Metropolitan moves forward with supporting the California WaterFix, what might cause Southern California to not receive the anticipated water supply benefits?

Even with California WaterFix, the SWP would continue to be regulated in the future. California WaterFix provides north intakes, which are critical for improved operational capability to manage for environmental and regulatory needs, while at the same time providing a reliable water supply. That improved capability along with a robust adaptive management plan that includes public water agency participation would contribute towards identifying management and regulatory actions that protect the fisheries needs as well as water supply reliability.

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What are the top three reasons cited by opponents as to why Metropolitan should not participate in California WaterFix?

The top three reasons opponents cite are that California WaterFix is too costly, is a water grab that is bad for the Delta environment, and will not result in any new water supply. Each of these assertions is addressed in the White Papers. The third White Paper explains in detail how and why California WaterFix is an affordable, cost-effective project. In addition, the LADWP Ratepayer Advocate recently confirmed that the project would be affordable to households in Los Angeles. And while the project will have some significant and unavoidable impacts disclosed and analyzed in the Final EIR/EIS, the majority of impacts, including impacts to Delta water quality and sensitive environmental resources, including native fish species in the Delta and Delta watershed, will be less than significant, and the state and federal fishery agencies have determined that the project will not jeopardize listed fish species. And while some have claimed that California WaterFix will not result in "new" water supplies relative to current average SWP supplies, reasonable and reliable modeling indicates that SWP supplies will become less reliable without California WaterFix and that the project is a cost-effective means of restoring and protecting current average water supplies.

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What happens if Metropolitan's Board does not approve the project?

The state of California has indicated that without sufficient support from the public water agencies like Metropolitan, it would not proceed with the project.

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Would both tunnels operate at the same time?

Except in the case of maintenance or repair outage, both tunnels would be operated at the same time.

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If farmers use less water, is there more for urban areas?

In general, if farmers use less water for direct agricultural purposes, they have the ability nonetheless to transfer water to third parties through agreements and recharge their groundwater systems. If farmers do not divert the water and the water stays in the system, that additional water would follow water rights and contractual procedures to benefit other users.

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#### How does the proposed project relate to the Delta Plan?

The Delta Reform Act established the coequal goals for the Delta and required the adoption of the Delta Plan to achieve those goals. It also expressly recognizes the need for new and improved conveyance infrastructure in the Delta to achieve the coequal goals. If DWR had adopted the BDCP, as originally proposed, and it met certain criteria in the Delta Reform Act, the BDCP would have been incorporated into the Delta Plan. As explained in the second White Paper, Modernizing the System: California WaterFix Operations, California WaterFix will further the coequal goals, consistent with the Delta Reform Act and the Delta Plan, but the project is now considered a covered action, which means DWR must certify consistency with applicable Delta Plan policies including the coequal goals before it can begin construction. DWR is expected to submit its certification in the coming months.

#### How is the project the same/different from the canals proposed in the 1980s?

The approach to Delta conveyance has changed since the Peripheral Canal was proposed. The proposed project is similar in that it proposes conveying water from a diversion point located in the north Delta to the existing CVP and SWP pumps located in the south Delta. Although similar in concept, the scope, goals and regulatory compliance of the proposed project are vastly different from the Peripheral Canal proposal. Key differences between the Peripheral Canal (1982) and California WaterFix include:

	Peripheral Canal (1982)	California WaterFix
Capacity	21,800 cfs	9,00 cfs
Type	43 miles of above ground, open channels with 1,000 foot right-of-way	35 miles of gravity-based underground tunnels
Conveyance	Fully isolated with no through Delta operations	Dual conveyance, allowing for through-Delta operations and more flexibility to maintain in-Delta water quality

The proposed CWF project considers threats to the Delta that were previously unknown or not well understood, changed circumstances, new scientific information, and a regulatory framework intended to better protect the environment. Water managers in decades past had limited information about climate change, sea level rise, subsidence and seismic risks to water supplies in the Delta. Today, new information is available and has been incorporated into the proposed project.



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Are the seismic risks to Delta levees being overstated? What studies support the two in three chance of a major earthquake? Are the studies that support the two in three chance of a major earthquake outdated by more recent USGS or other studies?

US Geological Survey scientific earthquake probability reports published in 2003 and 2014 calculated a high probability for one or more large-scale earthquakes to occur in the San Francisco Bay Region (including the Delta) in 30 years. Participants in the USGS studies included scientific experts from federal and state governments, private industry, consulting firms, and academia.

The USGS and URS have also looked at individual faults in the region to assess specific ground movement and liquefaction.

In 2013, URS analyzed the Southern Midland fault near the west Delta and the West Tracy fault near the southwest Delta and found that they are capable of causing severe earthquakes and significant damage to Delta levees.

In 2015-16, USGS and URS analyzed the West Napa fault and found that although observed ground motions in the Delta were less than model predictions, the difference between predicted and observed ground motions would not significantly change calculated deformation to Delta levees.

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# California WaterFix Comparison of Economic Studies

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## Report:

Dr. Jeffrey Michael

Center for Business and Policy Research

Benefit-Cost Analysis of the California WaterFix

August 2016

## Synopsis

The benefit-cost analysis presented in this report asserts that California WaterFix costs are four times larger than its benefits and that the project is thus not economically justified.

## Key Findings

- The analysis is based on a project yield improvement of 225 TAF arrived from the biological opinion. This assumes that existing conditions continue, and this is not an appropriate assumption as it does not take into account the future degradation in water supply that is expected if nothing is done. The supply benefit should be based on the difference between the future yield of the project with and without California WaterFix. As such, the appropriate project yield is 1.3 MAF.
- When estimating the unit value of agricultural water, the report uses historic figures to arrive at \$150 per AF. While this might represent historic costs, it does not represent the value of water or the cost of alternatives.
- The report also uses a value of \$800 per AF for the value of alternative urban water supplies. This value is too low. Metropolitan's estimate of alternative supplies from recycling and desalination range from \$1,658 to \$2,412 per AF.
- While it is common for benefit-cost analysis to use discount rates above inflation (i.e., a real discount rate) to reflect a rate of return, this assumption might not provide a useful result for long-term water projects such as this. This is because discounting costs above inflation will underestimate the cost impact felt by future rate payers, and discounting the value of water above inflation implies a diminishing value of water in the future. In the report, the capital costs occur over the first 15 years and the supply benefits occur over the next 100 years. Since the supply benefits occur much later in time the report heavily discounted the supply benefits resulting in a low benefit-cost ratio. Lastly, the costs of alternative supplies were evaluated in simple unit cost terms with no discounting resulting in an apples-to-oranges comparison.





## California WaterFix Comparison of Economic Studies

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### Report:

City of Los Angeles Office of Public Accountability/Ratepayer Advocate  
California WaterFix Cost to City Ratepayers  
August 2017

### Synopsis

The report finds that California WaterFix is affordable to the city of Los Angeles households under a wide array of cost and water demand scenarios. The estimated impact to the medium single family resident household bill is \$1.73 per month.

### Key Finding

- The report's cost impacts are within the range of Metropolitan's estimates.

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### Report (presentation):

Christopher Thornberg  
Beacon Economics  
The Bay Delta Conservation Plan: Should we DIG the tunnels?  
November 2013

### Synopsis

The report finds that without California WaterFix, water supplies are likely to be reduced from current levels. Based on a replacement cost analysis, the cost of California WaterFix are on average \$1000 per AF cheaper than alternative sources. And based on an economic cost-benefit analyses, "We think it is clear that the Tunnels' NPV is >0."

### Key Finding

- The report's findings are consistent with Metropolitan's findings.

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### Report:

Blue Sky Consulting Group  
The California State Treasurer's Office  
The Bay Delta Conveyance Facility: Affordability and Financing Considerations  
2014

### Synopsis

The study finds that the cost of the Delta conveyance facility is within the range of urban and agricultural users' capacity to pay. On average the supply cost of California WaterFix is competitive when compared to alternative supplies. The report also found that the dry year cost per acre-feet is high. For agriculture, the project is affordable for high value crops but the Central Valley Project contractors will need to develop a financing mechanism to fund their share of the water facility.

### Key Finding

- Urban impacts are similar to Metropolitan's estimates when displayed on same basis.
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Report:  
David Sunding  
The Brattle Group  
Statewide Economic Impacts  
August 2013<sup>1</sup>

### Synopsis

This report studied the overall statewide benefits from the Bay Delta Conservation Plan, the predecessor of the California WaterFix and EcoRestore. As such, the report included environmental and other benefits that would not apply to a benefit cost analysis of California WaterFix alone.

### Key Findings

The findings associated with the cost of the conveyance facility and the reliability and overall welfare benefits to the water contractors are consistent with WaterFix. The study found that the water supply reliability provided by the conveyance facility would result in a net improvement in the economic welfare of California residents of between \$4.8 billion and \$5.4 billion over the costs of the program. In addition to the net improvement in economic welfare, the report also identified job creation benefits and increases in statewide economic activity, much of which was due to the construction and water supply reliability provided by the conveyance facility.

<sup>1</sup> Study based on cost estimate in 2012 dollars.

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Report:  
David Sunding  
The Brattle Group  
DRAFT: CalWater Fix Economic Analysis  
November 15, 2015

### Synopsis

This report is an incomplete draft prepared for the California Natural Resources Agency.

### Key Finding

Draft finding shows that the quantified net direct benefits for urban users were positive and slightly negative for agricultural users. The report did not finish quantifying indirect benefits.

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## California WaterFix:

### WHAT IS METROPOLITAN'S BOARD OF DIRECTORS DECIDING?

Following a series of committee meetings at which the major policy issues associated with California WaterFix have been presented, Metropolitan's Board will vote this fall on whether to support funding for 26% of the proposed project's capital costs of \$16.7 billion.

CA WaterFix  
TOTAL COST

Central Valley Project  
45%

State Water Project  
55%

Other State Water  
Project Contractors  
53%

MWD  
47%  
(26% of total cost)

MET'S SHARE  
26%

Approx. \$4.3 billion

BOARD'S DECISION  
WILL BE ON FUNDING  
26% OF THE PROJECT

APPROXIMATE AVERAGE HOUSEHOLD  
COST OF CALIFORNIA WATERFIX  
WITHIN THE MWD SERVICE AREA

**\$2-3/PER MONTH**

BASED ON 6.2 MILLION HOUSEHOLDS  
AND RESIDENTIAL SECTOR PAYING  
70 PERCENT OF COSTS



If other State Water Project or Central Valley Project contractors decide not to pay their fair shares, future decisions will have to be made about who might be willing to purchase those shares in exchange for additional water. But the decision now is only about Metropolitan paying its portion.



10. CONSIDERATION TO ADOPT RESOLUTION NO. 2017-837, A  
RESOLUTION WHICH UPDATES THE INVESTMENT POLICY OF  
THE RUBIDOUX COMMUNITY SERVICES DISTRICT AS  
ORIGINALLY PRESENTED: **DM 2017-51**



# Rubidoux Community Services District

## Board of Directors

Christopher Barajas  
Armando Muniz  
Bernard Murphy  
F. Forest Trowbridge  
Hank Trueba Jr.



## Secretary-Manager

David D. Lopez

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Water Resource Management    Refuse Collection    Street Lights    Fire / Emergency Services    Weed Abatement

## DIRECTORS MEMORANDUM 2017-51

October 19, 2017

**To:** Rubidoux Community Services District  
Board of Directors

**Subject:** Annual Review of Investment Policy and Financial Institutions

### **BACKGROUND:**

At the September 7, 2017, regular meeting of the Rubidoux Community Services District Staff presented DM 2017-44, which recommended updates to the District Investment Policy. Director Murphy provided Staff with suggested text to be incorporated into the policy as well. While the suggested text was well intended, Staff believed the appropriateness was not within the Investment Policy (See suggested highlighted text). As a resolution, District Staff asked to defer this item to allow John R, Harper, District General Counsel for a review and respond opportunity.

Mr. Harper's response is attached and concludes ***"...the reporting of potential conflicts of interests is not directly related to the Investment Policy itself, the purpose of which is to set forth the limitations on the investment of District Funds and is more appropriately included in the District's Board procedures and/or employee rules and regulations."***

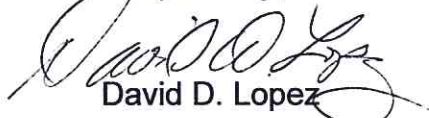
Further, the above recommendations have been incorporated and highlighted into the Rubidoux Community Services District Investment Policy for your review. If acceptable, the attached Resolution No. 2017-837 is presented for the Board of Directors adoption this afternoon.

With respect to our banking and investment institutions, Staff is requesting to keep active, for investments purposes, those banking institutions listed on attached Resolution No. 799. Consequently, no changes are recommended this year.

**RECOMMENDATION:**

Staff recommends the Adoption of Resolution No. 2017-837 as presented which modifies and updates the Rubidoux Community Services District Investment Policy.

Respectfully,



David D. Lopez  
Secretary-Manager.

Attachment: Mr. Harpers Opinion dated, Oct. 3, 2107  
Modify Investment Policy  
Krysta Krall's Memo Dated 8/29/2017  
Draft Res. No. 2017-837  
Copy Res. 799



LAW OFFICES OF  
**HARPER & BURNS LLP**  
A LIMITED LIABILITY PARTNERSHIP INCLUDING A PROFESSIONAL CORPORATION

JOHN R. HARPER\*  
ALAN R. BURNS  
COLIN R. BURNS  
ALEXANDRA M. HALFMAN

453 SOUTH GLASSELL STREET  
ORANGE, CALIFORNIA 92866

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\*A PROFESSIONAL CORPORATION

John R. Harper  
jrharper@harperburns.com

October 3, 2017

**Via U.S. Mail**

Members of the Board of Directors  
Rubidoux Community Services District  
3590 Rubidoux Blvd.  
Rubidoux, California 92509

Attention: David Lopez, General Manager

**Re: Draft Statement of Investment Policy**

Members of the Board of Directors:

Pursuant to the request of David Lopez, I have reviewed the revised Statement of Investment Policy regarding the additional language addressing Delegation of Authority and Ethics and Conflict of Interest. Additionally, a question has arisen whether the footnote in the Local Agency Investment Guidelines concerning conflict reporting is appropriate for the investment policy.

As to the additional language proposed to be included in the Investment Policy, based upon its consistency with the Local Agency Investment Guidelines, the language is appropriate. The footnote concerned the reporting of potential conflicts of interests is not directly related to the Investment Policy itself, the purpose of which is to set forth the limitations on the investment of District funds and is more appropriately included in the District's Board procedures and/or employee rules and regulations. Given the very limited scope of investment authority and the conservative of the nature of the potential investment of District funds, unlike a much larger organization, the potential for a conflict of interest occurring is virtually non-existent.

Very truly yours,

**HARPER & BURNS LLP**



John R. Harper, District Counsel

2. A certification that all investment actions are made in full compliance with the Investment Policy and that the District will meet its expenditure obligations for the next six months, as required by CGC 53646(b)(2) and (3) respectively.

#### IX. DELEGATION OF AUTHORITY

Resolution No. 2016-825 on April 7, 2016 and 2016-827 on May 19, 2016, authorize the General Manager and Manager of Fiscal Services to invest funds with board approved finance institutions and to deposit and withdraw funds in the Local Agency Investment Fund (LAIF). Pursuant to the Government Code, the District Board delegates the authority to invest or to reinvest funds, or to sell or exchange securities so purchased, to the Manager of Fiscal Services. The Manager of Fiscal Services is charged with the responsibility for carrying out the policies of the District Board and shall assume full responsibility for investment transactions until the delegation of authority is revoked or expires.

The daily cash management, investment transaction and account reconciliations are the primary responsibilities of the Manager of Fiscal Services. These activities are also carried out by other members of the Finance Department under the direction of the Manager of Fiscal Services. The Manager of Fiscal Services shall establish procedures for the operation consistent with this investment policy.

The Manager of Fiscal Services and authorized individuals acting in accordance with written procedures and the investment policy and executing due diligence shall be relieved of personal responsibility for an individual security's credit risk or market price changes, provided deviations from expectations are reported in a timely fashion and appropriate action is taken to control adverse developments.

#### X. ETHICS AND CONFLICT OF INTEREST

Officers and employees involved in the investment process shall refrain from personal business activities that could conflict with proper execution of the investment program or which could impair their ability to make impartial decisions. Officers and employees involved in the investment process shall abide by the Conflict of Interest Code, (California Government Code Section 1900 et seq.) and the California Political Reform Act (California Government Code Section 81000 et seq.).

#### XI. INVESTMENT CONTROLS

The District has developed a system of internal investment controls and a segregation of responsibilities of investment functions in order to assure an adequate system of internal control over the investment function. Said internal investment controls have been received and approved by the District's independent auditor.

In the event that a member of the Finance Department becomes aware that a potential conflict of interest has arisen, they shall notify the Manager of Fiscal Services or General Manager as appropriate. In the case of the General Manager, the Board shall be notified in writing.

FIGURE 1  
ALLOWABLE INVESTMENT INSTRUMENTS PER STATE GOVERNMENT  
CODE (AS OF JANUARY 1, 2017)\* APPLICABLE TO ALL LOCAL AGENCIES\*  
See Table of Notes for Figure 1\* on the next page for footnotes related to this figure.

INVESTMENT INSTRUMENT	MAXIMUM Maturity	MAXIMUM SPECIFIED PORTFOLIO	MINIMUM QUALITY REQUIREMENTS
Local Agency Bonds	5 years	None	None
U.S. Treasury Obligations	5 years	None	None
State Obligations-- CA And Others	5 years	None	None
CA Local Agency Obligations	5 years	None	None
U.S. Agency Obligations	5 years	None	None
Banker's Acceptances	180 days	40% <sup>a</sup>	None
Commercial Paper-- Pooled Funds	270 days	40% of the agency's money <sup>a</sup>	Highest letter and number rating by an NRSRO <sup>c</sup>
Commercial Paper-- Non-Pooled Funds <sup>d</sup>	270 days	25% of the agency's money <sup>a</sup>	Highest letter and number rating by an NRSRO <sup>c</sup>
Negotiable Certificates of Deposit	6 years	30% <sup>a</sup>	None
Non-negotiable Certificates of Deposit	5 years	None	None
Placement Service Deposits	5 years	30% <sup>a</sup>	None
Placement Service Certificates of Deposit	5 years	30% <sup>a</sup>	None
Repurchase Agreements	1 year	None	None
Reverse Repurchase Agreements and Securities Lending Agreements	92 days <sup>b</sup>	20% of the base value of the portfolio	None <sup>b</sup>
Medium-Term Notes <sup>a</sup>	5 years	30%	"A" rating category or its equivalent or better
Mutual Funds And Money Market Mutual Funds	N/A	20%	Multiple <sup>e</sup>
Collateralized Bank Deposits	5 years	None	None
Mortgage Pass-Through Securities	5 years	20%	"A" rating category or its equivalent or better <sup>a</sup>
County Pooled Investment Funds	N/A	None	None
Local Agency Investment Fund (LAIF)	N/A	None	Multiple <sup>e</sup>
Voluntary Investment Program Fund <sup>f</sup>	N/A	None	None
Supplemental Obligations <sup>g</sup>	5 years	30%	"A" rating category or its equivalent or better



## MEMORANDUM

TO: David Lopez, General Manager  
FROM: Krysta Krall, Mgr. of Fiscal Services  
DATE: August 29, 2017  
SUBJECT: Investment Policy and Authorized Financial Institutions

### INVESTMENT POLICY

Resolution No. 667 was adopted at the regular Board Meeting on July 17, 1997, which authorized the Rubidoux Community Services District's current Statement of Investment Policy. In reviewing the Investment Policy of the District, I have noted the following changes to update the Policy:

1. Page 3 - D. Time Deposits.  
....Maturity may not exceed **two years (change from one year)** not to exceed \$2,500,000....
2. Add section IX. DELEGATION OF AUTHORITY, page 6
3. Add section X. ETHICS AND CONFLICT OF INTEREST, page 6
4. Renumber section XI. INVESTMENT CONTROLS, page 6

This year's analysis also considered the current economy and the desire to maintain conservative investments along with maximizing yield.

### AUTHORIZED FINANCIAL INSTITUTIONS

Resolution No. 799 was adopted at the regular Board Meeting on September 16, 2010. It authorizes the use of Bank of America/Merrill Lynch, Union Bank of California, Citizens Business Bank and Security Bank of California, who merged with Pacific Premier Bank in April 2016, as institutions the District may use to transact business. We are currently using Citizens Business and Pacific Premier Bank.

### RECOMMENDATION

I recommend the changes mentioned above to be made to the District's investment policy. I also recommend that the list of authorized financial institutions be maintained as is to allow some flexibility should circumstances change.

**RESOLUTION NO. 2017-837**

**RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT  
ADOPTING A STATEMENT OF INVESTMENT POLICY**

**WHEREAS**, California Government Code Sections 5921 and 53600 et seq. require the legislative body of a special district to adopt an investment policy on an annual basis; and

**WHEREAS**, the Board of Directors of the Rubidoux Community Services District has authorized a Statement of Investment Policy attached as Exhibit A.

**NOW THEREFORE BE IT RESOLVED** that this Resolution supersedes Resolution No. 667 in its entirety was approved and adopted on the 7<sup>th</sup> day of September, 2017, at the Regular Meeting of the Board of Directors of the Rubidoux Community Services District by the following vote:

**AYES:**

**NOES:**

**ABSENT:**

**ABSTENTIONS:**

\_\_\_\_\_  
Armando Muniz, Director

\_\_\_\_\_  
Christopher Barajas, Director

\_\_\_\_\_  
F. Forest Trowbridge, Director

\_\_\_\_\_  
Bernard Murphy, Director

\_\_\_\_\_  
Hank Trueba, Jr., Director

(seal)

**ATTEST:**

\_\_\_\_\_  
David D. Lopez  
Secretary to the Board

**APPROVED AS TO FORM AND CONTENT:**

\_\_\_\_\_  
John R. Harper, District Counsel



## **Exhibit "A"**

### **RUBIDOUX COMMUNITY SERVICES DISTRICT**

#### **Statement of Investment Policy**

##### **Introduction**

This statement is intended to outline the policies for maximizing the efficiency of the Rubidoux Community Services District's (District) Cash Management System and for the prudent investment of the District's funds, and to provide guidelines for suitable investments.

The legislative body of a special district may invest surplus moneys not required for the immediate necessities of the special district in accordance with the provisions of California Code Sections 5921 and 53601 et seq.

The General Manager of the District shall annually prepare and submit a Statement of Investment Policy. Such policy and changes shall be considered by the legislative body at a public meeting (CGC 53646(a)).

The District shall attempt to obtain the optimal yield, provided that all investments meet the criteria established for safety and liquidity.

The investment policies and practices of the District are based upon Federal, State and Local law and prudent money management. The primary goals of these policies are:

1. To assure compliance with all Federal, State and Local laws governing the investment of moneys under the control of the District's Financial Officer.
2. To protect the principal moneys entrusted to the District.
3. To generate the optimal amount of investment income within the parameters of this Statement of Investment Policy and the guidelines for suitable investments.

##### **I. SCOPE**

All moneys entrusted to the District will be pooled in an actively managed portfolio. The Investment Pool or "Portfolio" will be referred to as the "FUND" throughout the remainder of this document.

## **II. OBJECTIVES**

### **A. Safety of Principal**

Safety of principal is the foremost objective of the District. Each investment transaction shall seek to preserve the principal of the portfolio, whether from institution default, broker-dealer default, or erosion of market value of securities. The District shall seek to preserve principal by mitigating the two types of risk--credit risk and market risk.

Investments shall be undertaken in a manner which first seeks to ensure the preservation of principal in the portfolio. The Financial Officer shall evaluate or cause to have evaluated each potential investment, seeking both quality in issuer and in underlying security or collateral, and shall diversify the portfolio to reduce exposure to loss.

1. Credit Risk. Credit Risk, defined as the risk of loss due to failure of an issuer of a security, shall be mitigated by investing in only very safe institutions and by diversifying the Funds so that the failure of any one issuer would not unduly harm the District's cash flow.

2. Market Risk. The risk of market value fluctuations, due to overall changes in the general level of interest rates, shall be mitigated by limiting the weighted average maturity of the District's fund to five years, unless otherwise approved by the Board of Directors.

### **B. Liquidity**

Investments shall be made whose maturity date is compatible with cash flow requirements and which will permit easy and rapid conversion into cash without a substantial loss of value.

### **C. Return on Investment**

Investments shall be undertaken to produce an optimal rate of return after first considering safety of principal and liquidity.

## **III. AUTHORIZED INVESTMENTS**

Generally, investments shall be made in the context of the Prudent Investor Rule (Probate Code, Section 16040, et seq.) which states that:



"Investments shall be made with judgment and care, under circumstances then prevailing, which persons of prudence, discretion, and intelligence exercise in the management of their own affairs, not for speculation, but for investment, considering the probable safety of their capital as well as the probable income to be derived."

The District is governed by the California Government Code, Sections 53600 et seq. Within the context of these limitations, the following investments are authorized, as further limited herein:

The investment maturities may not exceed five years, unless the Board of Directors have granted express authority either specifically or as a part of an investment program approved three months prior to the investment.

A. United States Treasury Bills, Notes, Bonds, and Certificates of Indebtedness, or those for which the full faith and credit of the United States are pledged for payment of principal and interest. There is no limitation as to the percentage of the fund which can be invested in this category as they are both safe and liquid. (See attached Figure 1, Investment Type 1)

B. Obligations issued by the Government National Mortgage Association (GNMA), the Federal Farm Credit Bank System (FFCB), the Federal Home Loan Bank Board (FHLB), the Federal Home Loan Mortgage Corporation (FHLMC), the Student Loan Mortgage Administration (SLMA), and the Federal National Mortgage (FNMA), and those insured by the Federal Housing Administration (FHA), or in obligations, participations, or other instruments of, or issued by a federal agency, or a United States government sponsored enterprise. (See attached Figure 1, Investment Type 2)

C. Local Agency Investment Fund. The District may invest in the Local Agency Investment Fund (LAIF) established by the State Treasurer for the benefit of local agencies up to the maximum permitted by the LAIF governing Board. (See attached Figure 1, Investment Type 6)

D. Time Deposits. The District may invest in non-negotiable time deposits collateralized in accordance with the California Government Code, in those banks and savings and loan associations which meet the requirements for investment in negotiable certificates of deposit. The financial officer may waive the first \$100,000.00 of collateral security for such deposits if the financial institution is insured pursuant to federal law. Maturity may not exceed **two years (was one year)** nor exceed **\$2,500,000.00** at any one institution. (See attached Figure 1, Investment Type 5)



E. Share of beneficial interest issued by diversified management companies, otherwise known as money market mutual funds investing in the securities and obligations as authorized by subdivisions (a) to (l) inclusive of Section 53635 for use as an interim or sweep account and that comply with the investment restrictions (California Government Code, commencing with Section 53630), companies shall either:

1. Attain the highest ranking or the highest letter and numerical rating provided by not less than two of the three largest nationally recognized rating services.
2. Have an investment advisor registered with the Securities and Exchange Commission with not less than five years' experience investing in the securities and obligations as authorized by subdivisions (a) to (m), inclusive and with assets under management in excess of five hundred million dollars (\$500,000,000.00). The purchase price of share of beneficial interest, (money market mutual funds) purchased pursuant to this subdivision shall not include any commission that these companies may charge. No more than 5% of the Funds may be invested in money market mutual funds with a fixed share price that does not fluctuate. (See attached Figure 1, Investment Type 4)

F. Commercial Paper. The District may enter into this short-term note rated A1/P1 for no more than 180 days per Government Code 53601(g). No more than \$1,000,000.00 may be invested through any one financial institution, with maximum investment of \$2,000,000.00. (See attached Figure 1, Investment Type 3)

G. Passbook Savings Account. The District may earn interest on idle funds in a passbook savings account at a federally-insured institution, until such time as funds can be invested.

#### **IV. PROHIBITED INVESTMENT**

In accordance with Sections:

53601.6(a) The District shall not invest any funds pursuant to this article in inverse floaters, range notes, or interest only strips that are derived from a pool of mortgages; and

53601.6(b) The District shall not invest any funds pursuant to this article in any security that could result in zero interest accrual if held to maturity. However, a local agency may hold prohibited instruments until their maturity dates. The limitation in this subdivision shall not apply to local agency investments in share of beneficial interest issued by diversified management companies registered under the Investment Company Act of 1940 (15 U.S.C. Sec. 89a-1, and following) that are authorized for investment pursuant to subdivision (k) of Section 53601.



## **V. OTHER RESTRICTIONS REGARDING DEBT PAYMENT**

53821.5, 53841.6, 53852.5 & 53859.02(b). Proceeds of sales or funds set aside for the repayment of any notes issued pursuant to this article shall not be invested for a term that exceeds the term of the notes.

53859.02(a). A local agency may borrow money pursuant to this article, the indebtedness to be represented by a grant anticipation note or notes issued to the lender pursuant to this article. The money borrowed may be used and expended by the local agency solely for the purpose for which the grant or loan is to be received.

## **VI. QUALIFIED DEALERS AND INSTITUTIONS**

The District shall transact business only with banks, savings and loans, and registered securities dealers. The purchase by the District of any investment other than purchased directly from the issuer, shall be purchased either from an institution licensed by the State as a broker-dealer as defined in Section 250004 of the Corporations Code, who is a member of the National Association of Securities Dealers, or a member of a Federally Regulated Securities Exchange, a National or State-Chartered Bank, a Federal or State Association (as defined by Section 5102 of the Financial Code), or a brokerage firm designated as a Primary Government Dealer by the Federal Reserve Bank. The District's Staff shall investigate all institutions which do business with the District, in order to determine if they are adequately capitalized, make markets in securities appropriate to the District's needs, and agree to abide by the conditions set forth in the District's Investment Policy. This investigation will be done annually by having the financial institutions complete and return the appropriate questionnaire (See attachments A and B) and an audited Financial Statement must be provided within 120 days of the institutions' year end.

## **VII. SAFEKEEPING OF SECURITIES**

All security transactions entered into by the District shall be conducted on delivery-versus-payment (DVP) basis. All securities purchased or acquired shall be delivered to the District by book entry, physical delivery or by third party custodial agreement as required by CGC 53601.

## **VIII. TREASURER'S REPORT**

Under provision of Section 53646 of the California Government Code, the financial officer shall render a monthly report to the Board of Directors to include:

1. Type, issuer, maturity date, par, market value, and dollar amount invested on all securities, investments and moneys held by the District, including funds managed for the District by third party contracted managers.



2. A certification that all investment actions are made in full compliance with the Investment Policy and that the District will meet its expenditure obligations for the next six months, as required by CGC 53646(b)(2) and (3) respectively.

## **IX. DELEGATION OF AUTHORITY**

Resolution No. 2016-825 on April 7, 2016 and 2016-827 on May 19, 2016, authorize the General Manager and Manager of Fiscal Services to invest funds with board approved finance institutions and to deposit and withdraw funds in the Local Agency Investment Fund (LAIF). Pursuant to the Government Code, the District Board delegates the authority to invest or to reinvest funds, or to sell or exchange securities so purchased, to the Manager of Fiscal Services. The Manager of Fiscal Services is charged with the responsibility for carrying out the policies of the District Board and shall assume full responsibility for investment transactions until the delegation of authority is revoked or expires.

The daily cash management, investment transaction and account reconciliations are the primary responsibilities of the Manager of Fiscal Services. These activities are also carried out by other members of the Finance Department under the direction of the Manager of Fiscal Services. The Manager of Fiscal Services shall establish procedures for the operation consistent with this investment policy.

The Manager of Fiscal Services and authorized individuals acting in accordance with written procedures and the investment policy and executing due diligence shall be relieved of personal responsibility for an individual security's credit risk or market price changes, provided deviations from expectations are reported in a timely fashion and appropriate action is taken to control adverse developments.

## **X. ETHICS AND CONFLICT OF INTEREST**

Officers and employees involved in the investment process shall refrain from personal business activities that could conflict with proper execution of the investment program or which could impair their ability to make impartial decisions. Officers and employees involved in the investment process shall abide by the Conflict of Interest Code, (California Government Code Section 1900 et seq.) and the California Political Reform Act (California Government Code Section 81000 et seq.).

## **XI. INVESTMENT CONTROLS**

The District has developed a system of internal investment controls and a segregation of responsibilities of investment functions in order to assure an adequate system of internal control over the investment function. Said internal investment controls have been received and approved by the District's independent auditor.



FIGURE 1

ALLOWABLE INVESTMENT INSTRUMENTS PER STATE GOVERNMENT  
CODE (AS OF JANUARY 1, 2017)<sup>a</sup> APPLICABLE TO ALL LOCAL AGENCIES<sup>b</sup>

See "Table of Notes for Figure 1" on the next page for footnotes related to this figure.

INVESTMENT TYPE	MAXIMUM MATURITY <sup>c</sup>	MAXIMUM SPECIFIED % OF PORTFOLIO <sup>d</sup>	MINIMUM CREDIT REQUIREMENTS
Local Agency Bonds	5 years	None	None
U.S. Treasury Obligations	5 years	None	None
State Obligations— CA And Others	5 years	None	None
CA Local Agency Obligations	5 years	None	None
U.S Agency Obligations	5 years	None	None
Bankers' Acceptances	180 days	40% <sup>e</sup>	None
Commercial Paper— Pooled Funds <sup>f</sup>	270 days	40% of the agency's money <sup>g</sup>	Highest letter and number rating by an NRSRO <sup>h</sup>
Commercial Paper— Non-Pooled Funds <sup>f</sup>	270 days	25% of the agency's money <sup>g</sup>	Highest letter and number rating by an NRSRO <sup>h</sup>
Negotiable Certificates of Deposit	5 years	30% <sup>j</sup>	None
Non-negotiable Certificates of Deposit	5 years	None	None
Placement Service Deposits	5 years	30% <sup>k</sup>	None
Placement Service Certificates of Deposit	5 years	30% <sup>k</sup>	None
Repurchase Agreements	1 year	None	None
Reverse Repurchase Agreements and Securities Lending Agreements	92 days <sup>l</sup>	20% of the base value of the portfolio	None <sup>m</sup>
Medium-Term Notes <sup>n</sup>	5 years	30%	"A" rating category or its equivalent or better
Mutual Funds And Money Market Mutual Funds	N/A	20%	Multiple <sup>o</sup>
Collateralized Bank Deposits	5 years	None	None
Mortgage Pass-Through Securities	5 years	20%	"AA" rating category or its equivalent or better <sup>p</sup>
County Pooled Investment Funds	N/A	None	None
Joint Powers Authority Pool	N/A	None	Multiple <sup>q</sup>
Local Agency Investment Fund (LAIF)	N/A	None	None
Voluntary Investment Program Fund <sup>r</sup>	N/A	None	None
Supranational Obligations <sup>u</sup>	5 years	30%	"AA" rating category or its equivalent or better

# TABLE OF NOTES FOR FIGURE 1

- <sup>A</sup> Sources: Sections 16340, 16429.1, 53601, 53601.8, 53635, 53635.2, 53635.8, and 53638.
- <sup>B</sup> Municipal Utilities Districts have the authority under the Public Utilities Code Section 12871 to invest in certain securities not addressed here.
- <sup>C</sup> Section 53601 provides that the maximum term of any investment authorized under this section, unless otherwise stated, is five years. However, the legislative body may grant express authority to make investments either specifically or as a part of an investment program approved by the legislative body that exceeds this five year maturity limit. Such approval must be issued no less than three months prior to the purchase of any security exceeding the five-year maturity limit.
- <sup>D</sup> Percentages apply to all portfolio investments regardless of source of funds. For instance, cash from a reverse repurchase agreement would be subject to the restrictions.
- <sup>E</sup> No more than 30 percent of the agency's money may be in bankers' acceptances of any one commercial bank.
- <sup>F</sup> "Select Agencies" are defined as a "city, a district, or other local agency that does) not pool money in deposits or investment with other local agencies, other than local agencies that have the same governing body."
- <sup>G</sup> Local agencies, other than counties or a city and county, may purchase no more than 10 percent of the outstanding commercial paper of any single issuer.
- <sup>H</sup> Issuing corporation must be organized and operating within the U.S., have assets in excess of \$500 million, and debt other than commercial paper must be in a rating category of "A" or its equivalent or higher by a nationally recognized statistical rating organization, or the issuing corporation must be organized within the U.S. as a special purpose corporation, trust, or LLC, has program wide credit enhancements, and has commercial paper that is rated "A-1" or higher, or the equivalent, by a nationally recognized statistical rating agency.
- <sup>I</sup> "Other Agencies" are counties, a city and county, or other local agency "that pools money in deposits or investments with other local agencies, including local agencies that have the same governing body." Local agencies that pool exclusively with other local agencies that have the same governing body must adhere to the limits set for "Select Agencies," above.
- <sup>J</sup> No more than 30 percent of the agency's money may be in negotiable certificates of deposit that are authorized under Section 53601(I).
- <sup>K</sup> No more than 30 percent of the agency's money may be invested in deposits, including certificates of deposit, through a placement service (excludes negotiable certificates of deposit authorized under Section 53601(I)).
- <sup>L</sup> Reverse repurchase agreements or securities lending agreements may exceed the 92-day term if the agreement includes a written codicil guaranteeing a minimum earning or spread for the entire period between the sale of a security using a reverse repurchase agreement or securities lending agreement and the final maturity dates of the same security.
- <sup>M</sup> Reverse repurchase agreements must be made with primary dealers of the Federal Reserve Bank of New York or with a nationally or state chartered bank that has a significant relationship with the local agency. The local agency must have held the securities used for the agreements for at least 30 days.
- <sup>N</sup> "Medium-term notes" are defined in Section 53601 as "all corporate and depository institution debt securities with a maximum remaining maturity of five years or less, issued by corporations organized and operating within the United States or by depository institutions licensed by the United States or any state and operating within the United States"
- <sup>O</sup> No more than 10 percent invested in any one mutual fund. This limitation does not apply to money market mutual funds.
- <sup>P</sup> A mutual fund must receive the highest ranking by not less than two nationally recognized rating agencies or the fund must retain an investment advisor who is registered with the SEC (or exempt from registration), has assets under management in excess of \$500 million, and has at least five years experience investing in instruments authorized by Sections 53601 and 53635.
- <sup>Q</sup> A money market mutual fund must receive the highest ranking by not less than two nationally recognized statistical rating organizations or retain an investment advisor registered with the SEC or exempt from registration and who has not less than five years experience investing in money market instruments with assets under management in excess of \$500 million.
- <sup>R</sup> Issuer must be rated in a rating category of "A" or its equivalent or better as provided by a nationally recognized statistical rating organization.
- <sup>S</sup> A joint powers authority pool must retain an investment advisor who is registered with the SEC (or exempt from registration), has assets under management in excess of \$500 million, and has at least five years experience investing in instruments authorized by Section 53601, subdivisions (a) to (o).
- <sup>T</sup> Local entities can deposit between \$200 million and \$10 billion into the Voluntary Investment Program Fund, upon approval by their governing bodies. Deposits in the fund will be invested in the Pooled Money Investment Account.
- <sup>U</sup> Only those obligations issued or unconditionally guaranteed by the International Bank for Reconstruction and Development (IBRD), International Finance Corporation (IFC), and Inter-American Development Bank (IADB).



### *Negotiable Certificates of Deposit*

Generally, short-term debt instrument that usually pays interest and is issued by a bank, savings or federal association, state or federal credit union, or state-licensed branch of a foreign bank. The majority of negotiable CDs mature within six months while the average maturity is two weeks. Negotiable CDs are traded in a secondary market and are payable upon order to the bearer or initial depositor (investor). Negotiable CDs are insured by FDIC up to \$250,000, but they are not collateralized beyond that amount.

### *Non-Negotiable Certificates of Deposit*

CDs that carry a penalty if redeemed prior to maturity. A secondary market does exist for non-negotiable CDs, but redemption includes a transaction cost that reduces returns to the investor. Non-negotiable CDs issued by banks and savings and loans are insured by the Federal Deposit Insurance Corporation up to the amount of \$250,000, including principal and interest. Amounts deposited above this amount may be secured with other forms of collateral through an agreement between the investor and the issuer. Collateral may include other securities including Treasuries or agency securities such as those issued by the Federal National Mortgage Association.

### *CDARS (CERTIFICATE OF DEPOSIT ACCOUNT REGISTRY SYSTEM)*

A private CD placement service that allows local agencies to purchase more than \$250,000 in CDs from a single financial institution (must be a participating institution of CDARS) while still maintaining FDIC insur-

ance coverage. CDARS is currently the only entity providing this service. CDARS facilitates the trading of deposits between the California institution and other participating institutions in amounts that are less than \$250,000 each, so that FDIC coverage is maintained.

### *CD PLACEMENT SERVICE*

A service that allows local agencies to purchase more than \$250,000 in CDs from a single financial institution while still maintaining FDIC insurance coverage. See "CDARS".

### *COLLATERALIZATION OF DEPOSITS*

Process by which a bank or financial institution pledges securities, or other deposits for the purpose of securing the repayment of deposited funds.

### *COMMERCIAL PAPER*

An unsecured short-term promissory note issued by corporations or municipalities, with maturities ranging from 2 to 270 days.

### *CONVEXITY*

A measure of the price sensitivity of a fixed income security to changes in interest rates. Convexity is influenced by such factors as the coupon rate, maturity, and any call options that may or may not exist. Prices rise at increasing rates as yields fall and prices decline at decreasing rates as yields rise.

### *CORPORATE NOTES AND BONDS*

Debt instruments, typically unsecured, issued by corporations, with original maturities in most cases greater than one year and less than ten years.

**Rubidoux Community Services District**  
**Investment Policy Compliance**

RCSD Investment Type	District Balance 7.31.17	% of District money	District Maturity	Max Maturity	Max Specified % of Portfolio	Min Quality Requirements
Negotiable COD	1,225,000.00	6.28%	7-18 mon	5 yrs	30%	none
CDARS	2,330,000.00	11.94%	3-6 mon	5 yrs	none	none
	<u>3,555,000.00</u>	18.21%				
Non-Negotiable COD	-		n/a	5 yrs	none	none
LAIF	15,965,995.95		n/a	n/a	none	none
Total Investments	<u><u>19,520,995.95</u></u>					



**RESOLUTION NO. 799**

**RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT  
AUTHORIZING THE OPENING OF ACCOUNTS FOR INVESTMENT PURPOSES  
WITH CERTAIN FINANCIAL INSTITUTIONS**

**WHEREAS**, the adoption of Resolution No. 799 shall supersede District Resolution No. 783, dated February 5, 2009.

**BE IT RESOLVED** by the Board of Directors of the Rubidoux Community Services District (District) that the District shall transact business with only the following institutions provided that they comply with the requirements of Part VI of the District's Statement of Investment Policy:

1. Bank of America/Bank America Investment Services/Merrill Lynch
2. Union Bank of California
3. Citizens Business Bank
4. Security Bank of California


**BE IT FURTHER RESOLVED** that this Resolution is approved and adopted on the 16<sup>th</sup> of September, 2010, at the Regular Meeting of the Board of Directors of the Rubidoux Community Services District by the following vote:

**AYES:** Ruth Anderson Wilson, C. Marsden Smith, John Skerbelis,  
Armando Muniz, Gail Barclay

**NOES:** None

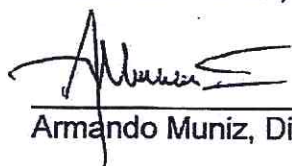
**ABSENT:** None


**ABSTENTIONS:** None

  
\_\_\_\_\_  
John Skerbelis, Director

  
\_\_\_\_\_  
C. Marsden Smith, Director

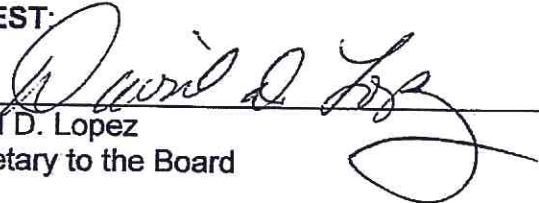
  
\_\_\_\_\_  
Gail Barclay, Director

  
\_\_\_\_\_  
Armando Muniz, Director

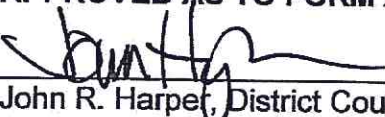
  
\_\_\_\_\_  
Ruth Anderson-Wilson, Director

(Seal)

ATTEST:

  
\_\_\_\_\_  
David D. Lopez  
Secretary to the Board

APPROVED AS TO FORM AND CONTENT:

  
\_\_\_\_\_  
John R. Harper, District Counsel



11. CONSIDERATION TO APPROVE 2016/2017 ANNUAL AUDIT OF  
THE RUBIDOUX COMMUNITY SERVICES DISTRICT:  
**DM 2017-52**

# Rubidoux Community Services District

**Board of Directors**

Christopher Barajas  
Armando Muniz  
Bernard Murphy  
F. Forest Trowbridge  
Hank Trueba Jr.

**Secretary-Manager**

David D. Lopez

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Water Resource Management    Refuse Collection    Street Lights    Fire / Emergency Services    Weed Abatement

**DIRECTORS MEMORANDUM 2017-52**

October 19, 2017

**To:**                Rubidoux Community Services District  
                         Board of Directors

**Subject:**        2016-2017 Annual Audit / Financial Statement Report

**BACKGROUND:**

Attached for the Board of Directors' review and consideration is the annual Financial Statement Report ending June 30 2017, for the Rubidoux Community Services District. This year's report was prepared by Rogers Anderson Malody & Scott (RAMS), CPA's and includes all revenue funds, physical assets, expenses, debt service and depreciation schedules. Staff believes it is vital for the Board of Directors to receive the annual report in advance to tonight's meeting; consequently, the Board Members were transmitted the enclosed draft audit report with your September 21, Board packet. This affords the Board Members the opportunity to review the financial information at your leisure. Further, any questions that may arise during your review may be thoughtfully drafted for response at tonight's presentation.

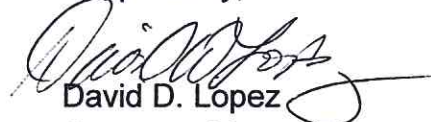
Mr. Scott Manno, CPA, and Partner with RAMS was one of principal auditors and will be in attendance tonight to make his presentation to the Board of Directors.



**RECOMMENDATION:**

At the conclusion of this afternoon's presentation, Staff recommends to the Board of Directors to accept the work performed by RAMS, CPA's and receive and file the 2016/2017 Financial Statement Report for the Rubidoux Community Services District.

Respectfully,



David D. Lopez  
Secretary-Manager

Attachment: 2016/2017 Annual Audit Report

12. RECEIVE AND FILE CASH ASSET SCHEDULE REPORT  
ENDING SEPTEMBER 2017: **DM 2017-53**



# Rubidoux Community Services District

## Board of Directors

Christopher Barajas  
Armando Muniz  
Bernard Murphy  
F. Forest Trowbridge  
Hank Trueba Jr.

## Secretary-Manager

David D. Lopez



Water Resource Management    Refuse Collection    Street Lights    Fire / Emergency Services    Weed Abatement

## DIRECTORS MEMORANDUM 2017-53

October 19, 2017

**To:** Rubidoux Community Services District  
Board of Directors

**Subject:** Receive and File September's Statement of Cash Asset Schedule

### BACKGROUND:

Attached for the Board of Directors' consideration is the September 2017 Statement of Cash Asset Schedule Report for all District Fund Accounts. Our YTD interest is \$38,110.00 for District controlled accounts. With respect to District "Funds in Trust", we show \$1,679.00 which has been earned and posted. The District has a combined YTD interest earned total of \$39,789.96 as of September 30, 2017.

With respect to the District's Operating Funds (Excluding Restricted Funds and Operating Reserves), we show a balance of \$4,775,077.00 ending September 30, 2017. That's only **\$195,995.00 LESS** than July 1, 2017, beginning balance of \$4,971,073.00.

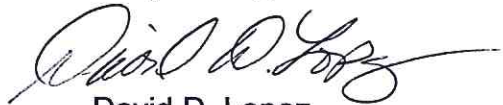
Further, the District's Field/Admin Fund current fund balance is just over \$298,000.00.

Submitted for the Board of Directors consideration is the **September 2017, Statement of Cash Asset Schedule Report** for your review and acceptance this afternoon.

**RECOMMENDATION:**

Staff recommends to **"Receive and File"** the September 2017 Statement of Cash Asset Schedule Report to the Rubidoux Community Services District Board of Directors.

Respectfully,



David D. Lopez  
Secretary-Manager

Attachment: September 2017, Cash Asset Schedule Report



RUBIDOUX COMMUNITY SERVICES DISTRICT

INVESTMENT SUMMARY - SEPTEMBER 30, 2017  
CASH BASIS

	Beg. Balance 7/1/2017	YTD Int.	Other Activity YTD	Balance 9/30/2017	YTD Avg. Int. Rate
Fire Mitigation	\$1,311,432.37	\$2,611.42	\$0.00	\$1,314,043.79	0.20%
Wastewater CIP	3,007,240.02	4,360.33	6,398.07	3,017,998.42	0.14%
Water CIP	2,559,371.08	1,470.72	-	2,560,841.80	0.06%
<b>Operating</b>	<b>4,971,073.06</b>	<b>21,819.86</b>	<b>(217,815.05)</b>	<b>4,775,077.87</b>	<b>0.46%</b>
Water Operating Reserve	3,655,453.18	-	84,786.48	3,740,239.66	0.00%
Water Replacement Reserve	606,259.92	1,413.98	45,770.65	653,444.55	0.22%
COP Reserve	2,475,937.57	5,774.64	290,556.18	2,772,268.39	0.21%
Wastewater Operating Reserve	2,034,280.79	-	(326,481.50)	1,707,799.29	0.00%
Field/admin Fund	275,100.32	659.40	23,006.00	298,765.72	0.22%
Funds in Trust	737,309.67	1,679.61	-	738,989.28	0.23%
Total Investments	<b>\$21,633,457.98</b>	<b>\$39,789.96</b>	<b>(\$93,779.17)</b>	<b>\$21,579,468.77</b>	<b>0.18%</b>

RUBIDOUX COMMUNITY SERVICES DISTRICT  
**CASH ASSET SCHEDULE**  
**INVESTMENT ACTIVITY**  
 FOR PERIOD SEPTEMBER 1, 2017 THRU SEPTEMBER 30, 2017  
 CASH BASIS  
**FIRE MITIGATION**

<u>DATE</u>	<u>INSTITUTION</u>	<u>INSTRUMENT</u>	<u>MATURITY</u>	<u>STATUS</u>	<u>PURCHASE / REDEEM</u>	<u>INT. RATE</u>	<u>INTEREST</u>	<u>PAR/ BALANCE</u>	<u>TOTAL</u>
9/1/2017	Premier Bank	CD		Beg. Bal.		1.00	-	170,000.20	
	Premier Bank			Interest			-	170,000.20	
	Premier Bank			Redeem	-			170,000.20	
9/30/2017	Premier Bank	CD	4/3/2018	Purchase	-			170,000.20	
9/1/2017	Premier Bank	Checking		Beg. Bal.		0.00	-	8,835.50	
	Premier Bank	Fire Mitig		Activity	-		-	8,835.50	
9/30/2017	Premier Bank			End Bal.	-			8,835.50	
9/1/2017	LAIF	Fire Mitigation		Beg. Bal.		1.11	-	1,122,286.00	
	LAIF			Interest			-	1,122,286.00	
9/30/2017	LAIF			Activity	-			1,122,286.00	
8/1/2017	Premier Bank	Safekeeping		Beg. Bal.		0.00	-	12,922.09	
	Premier Bank			Activity	-		-	-	
8/31/2017	Premier Bank			End Bal.				12,922.09	1,314,043.79



RUBIDOUX COMMUNITY SERVICES DISTRICT  
CASH ASSET SCHEDULE  
INVESTMENT ACTIVITY  
FOR PERIOD SEPTEMBER 1, 2017 THRU SEPTEMBER 30, 2017  
CASH BASIS  
WASTEWATER CIP FUNDS

<u>DATE</u>	<u>INSTITUTION</u>	<u>INSTRUMENT</u>	<u>MATURITY</u>	<u>STATUS</u>	<u>PURCHASE / REDEEM</u>	<u>INT. RATE</u>	<u>INTEREST</u>	<u>PAR/ BALANCE</u>	<u>TOTAL</u>
9/1/2017	LAIF	<b>Sewer Mainline</b>		Beg. Bal.				1,730,276.13	
9/30/2017	LAIF			Interest		1.11	-	1,730,276.13	
	LAIF			Activity	-			1,730,276.13	
9/1/2017	LAIF	<b>Sewer WWR</b>		Beg. Bal.				9,582.59	
9/30/2017	LAIF			Interest		1.11	-	9,582.59	
	LAIF			Activity	8,824.50			18,407.09	
9/1/2017	CBB-CDARS	<b>CD</b>		Beg. Bal.				600,000.00	
	CBB-CDARS			Interest	24.66	0.05	-	600,000.00	
	CBB-CDARS			Redeem	-			600,000.00	
9/30/2017	CBB-CDARS	<b>CD</b>	11/24/2017	Purchase	-			600,000.00	
9/1/2017	CBB-CDARS	<b>CD</b>		Beg. Bal.				600,000.00	
	CBB-CDARS			Interest	24.66	0.05	-	600,000.00	
	CBB-CDARS			Redeem	-			600,000.00	
9/30/2017	CBB-CDARS	<b>CD</b>	11/30/2017	Purchase	-			600,000.00	
9/1/2017	CBB	<b>Safekeeping</b>		Beg. Bal.				69,248.63	
9/30/2017	CBB			Activity	-	0.10	66.57	-	
	CBB			End Bal.				69,315.20	3,017,998.42

RUBIDOUX COMMUNITY SERVICES DISTRICT  
CASH ASSET SCHEDULE  
INVESTMENT ACTIVITY  
FOR PERIOD SEPTEMBER 1, 2017 THRU SEPTEMBER 30, 2017  
CASH BASIS  
WATER CIP FUNDS

<u>DATE</u>	<u>INSTITUTION</u>	<u>INSTRUMENT</u>	<u>MATURITY</u>	<u>STATUS</u>	<u>PURCHASE / REDEEM</u>	<u>INTEREST RATE</u>	<u>INTEREST</u>	<u>PAR/ BALANCE</u>	<u>TOTAL</u>
9/1/2017	LAIF	<b>Water Mainline</b>		Beg. Bal.		1.11	-	569,654.54	
9/30/2017	LAIF			Interest			-	569,654.54	
	LAIF			Activity	-			569,654.54	
9/1/2017	Premier Bank	<b>CD</b>		Beg. Bal.		1.00	-	575,000.00	
	Premier Bank			Activity	-		-	575,000.00	
	Premier Bank			Redeem	-		-	575,000.00	
9/30/2017	Premier Bank	<b>CD</b>	4/3/2018	Purchase	-			575,000.00	
9/1/2017	Citizens Bus	<b>CD</b>		Beg. Bal.		0.25	-	225,000.00	
	Citizens Bus			Activity	-	n/a	-	225,000.00	
	Citizens Bus			Redeem	-		-	225,000.00	
9/30/2017	Citizens Bus	<b>CD</b>	11/5/2017	Purchase	-			225,000.00	
9/1/2017	CBB-CDARS	<b>CD</b>		Beg. Bal.		0.05	-	500,000.00	
	CBB-CDARS			Activity	-	n/a	-	500,000.00	
	CBB-CDARS			Redeem	-		-	500,000.00	
9/30/2017	CBB-CDARS	<b>CD</b>	10/26/2017	Purchase	-			500,000.00	
9/1/2017	CBB-CDARS	<b>CD</b>		Beg. Bal.		0.05	-	630,000.00	
	CBB-CDARS			Activity	-	n/a	-	630,000.00	
	CBB-CDARS			Redeem	-		-	630,000.00	
9/30/2017	CBB-CDARS	<b>CD</b>	10/26/2017	Purchase	-			630,000.00	



RUBIDOUX COMMUNITY SERVICES DISTRICT  
CASH ASSET SCHEDULE  
INVESTMENT ACTIVITY  
FOR PERIOD SEPTEMBER 1, 2017 THRU SEPTEMBER 30, 2017  
CASH BASIS

8/1/2017	Premier Bank	<b>Safekeeping</b>	Beg. Bal.		43,803.45
	Premier Bank		Activity		43,803.45
8/31/2017	Premier Bank		End Bal.	1.00	43,803.45
				-	
9/1/2017	CBB	<b>Safekeeping</b>	Beg. Bal.		17,379.49
	CBB		Activity		
9/30/2017	CBB		End Bal.	0.10	17,383.81
				4.32	
					2,560,841.80

RUBIDOUX COMMUNITY SERVICES DISTRICT  
**CASH ASSET SCHEDULE**  
**INVESTMENT ACTIVITY**  
 FOR PERIOD SEPTEMBER 1, 2017 THRU SEPTEMBER 30, 2017  
 CASH BASIS  
**OPERATING FUNDS**

<u>DATE</u>	<u>INSTITUTION</u>	<u>INSTRUMENT</u>	<u>MATURITY</u>	<u>STATUS</u>	<u>DEPOSIT/ WITHDRAW</u>	<u>INTEREST RATE</u>	<u>INTEREST</u>	<u>PAR/ BALANCE</u>	<u>TOTAL</u>
9/1/2017	Premier Bank	<b>Checking-Gen.</b>		Beg. Bal.				162,342.26	
	Premier Bank			Deposits	1,350,031.13	0.00	-	1,512,373.39	
9/30/2017	Premier Bank			Disbursements	(1,405,058.99)			107,314.40	
9/1/2017	Premier Bank	<b>Checking</b>		Beg. Bal.				5,330.82	
	Premier Bank	<b>Property Tax</b>		Deposits	79,022.08	0.00	-	84,352.90	
9/30/2017	Premier Bank			Disbursements	-			84,352.90	
9/1/2017	Premier Bank	<b>Checking-Sewer</b>		Beg. Bal.				5,057.23	
	Premier Bank			Deposits	238,125.24	0.00	-	243,182.47	
9/30/2017	Premier Bank			Disbursements	(239,116.15)			4,066.32	
9/1/2017	Premier Bank	<b>Checking-Water</b>		Beg. Bal.				781,166.85	
	Premier Bank			Deposits	1,134,786.23	0.00	-	1,915,953.08	
9/30/2017	Premier Bank			Disbursements	(1,243,623.95)			672,329.13	
9/1/2017	Premier Bank	<b>Checking-W.R.</b>		Beg. Bal.				10,500.44	
	Premier Bank			Deposits	-	0.00	-	10,500.44	
9/30/2017	Premier Bank			Disbursements	(559.20)			9,941.24	



RUBIDOUX COMMUNITY SERVICES DISTRICT  
**CASH ASSET SCHEDULE**  
**INVESTMENT ACTIVITY**  
 FOR PERIOD SEPTEMBER 1, 2017 THRU SEPTEMBER 30, 2017  
 CASH BASIS  
**OPERATING FUNDS**

<u>DATE</u>	<u>INSTITUTION</u>	<u>INSTRUMENT</u>	<u>MATURITY</u>	<u>STATUS</u>	<u>DEPOSIT/ WITHDRAW</u>	<u>INTEREST RATE</u>	<u>INTEREST</u>	<u>PAR/ BALANCE</u>	<u>TOTAL</u>
9/1/2017	Premier Bank	<b>Checking-COP</b>		Beg. Bal.				65,001.63	
	Premier Bank			Deposits	-	0.00	-	65,001.63	
9/30/2017	Premier Bank			Disbursements	(4,960.50)			60,041.13	
9/1/2017	Premier Bank	<b>CD</b>		Beg. Bal.				255,000.00	
	Premier Bank			Activity	-	1.00	-	255,000.00	
	Premier Bank			Redeem	-			255,000.00	
9/30/2017	Premier Bank	<b>CD</b>	12/3/2017	Purchase	-			255,000.00	
8/1/2017	Premier Bank	<b>Operations</b>		Beg. Bal.				19,175.27	
	Premier Bank	<b>Safekeeping</b>		Deposits	-	0.00		19,175.27	
8/31/2017	Premier Bank			Disbursements				19,175.27	
9/1/2017	LAIF	<b>Gen. Fund-Prop Tax</b>		Beg. Bal.				2,959,461.70	
	LAIF	<b>Qtrly. Interest</b>		Deposits	-	1.11	-	2,959,461.70	
9/30/2017	LAIF			Disbursements	(625,000.00)			2,334,461.70	
9/1/2017	LAIF	<b>Water Op.</b>		Beg. Bal.				714,986.33	
	LAIF	<b>Qtrly. Interest</b>		Deposits	550,000.00	1.11	-	1,264,986.33	
9/30/2017	LAIF			Disbursements	(123,754.16)			1,141,232.17	
9/1/2017	LAIF	<b>Sewer Op.</b>		Beg. Bal.				108,163.61	
	LAIF	<b>Qtrly. Interest</b>		Deposits	85,000.00	1.11	-	193,163.61	
9/30/2017	LAIF			Disbursements	(106,000.00)			87,163.61	4,775,077.87

RUBIDOUX COMMUNITY SERVICES DISTRICT  
CASH ASSET SCHEDULE  
INVESTMENT ACTIVITY  
FOR PERIOD SEPTEMBER 1, 2017 THRU SEPTEMBER 30, 2017  
CASH BASIS  
RESERVED FUNDS

<u>DATE</u>	<u>INSTITUTION</u>	<u>INSTRUMENT</u>	<u>MATURITY</u>	<u>STATUS</u>	<u>DEPOSIT/ WITHDRAW</u>	<u>INTEREST RATE</u>	<u>INTEREST</u>	<u>PAR/ BALANCE</u>	<u>TOTAL</u>
9/1/2017	LAIF	<b>Water Op. Reserve</b>		Beg. Bal				3,740,239.66	
	LAIF	Qtrly. Interest		Deposits	-	1.11	-	3,740,239.66	
9/30/2017	LAIF			Disbursements	-			3,740,239.66	
9/1/2017	LAIF	<b>W.R.</b>		Beg. Bal				637,521.29	
	LAIF	Qtrly. Interest		Deposits	15,923.26	1.11	-	653,444.55	
9/30/2017	LAIF			Disbursements	-			653,444.55	
9/1/2017	LAIF	<b>COP-Payback</b>		Beg. Bal				2,672,158.49	
	LAIF	Qtrly. Interest		Deposits	100,109.90	1.11	-	2,772,268.39	
9/30/2017	LAIF			Disbursements	-			2,772,268.39	
9/1/2017	LAIF	<b>Field/Admin Bldg.</b>		Beg. Bal				291,044.72	
	LAIF	Qtrly Interest		Deposits	7,721.00	1.11	-	298,765.72	
9/30/2017	LAIF			Disbursements	-			298,765.72	
9/1/2017	LAIF	<b>Wastewater Reserve</b>		Beg. Bal				1,716,623.79	
	LAIF	Qtrly. Interest		Deposits	-	1.11	-	1,716,623.79	
9/30/2017	LAIF			Disbursements	(8,824.50)			1,707,799.29	9,172,517.61



RUBIDOUX COMMUNITY SERVICES DISTRICT  
**CASH ASSET SCHEDULE**  
**INVESTMENT ACTIVITY**  
 FOR PERIOD SEPTEMBER 1, 2017 THRU SEPTEMBER 30, 2017  
 CASH BASIS  
**FUNDS IN TRUST**

<u>DATE</u>	<u>INSTITUTION</u>	<u>INSTRUMENT</u>	<u>MATURITY</u>	<u>STATUS</u>	<u>PURCHASE / REDEEM</u>	<u>INTEREST RATE</u>	<u>INTEREST</u>	<u>PAR/ BALANCE</u>	<u>TOTAL</u>
9/1/2017	U.S. Bank	COP's Refunding-Series 1998 Install Sale		-	-	0.17	-	736,461.44	
9/30/2017		Reserve-LAIF		730,274.99		0.78		736,461.44	
								736,461.44	
9/1/2017	Premier Bank	Fiscal Agent-SRL MN Plant		Beg. Bal		0.20	0.00	2,527.84	
9/30/2017				Deposits	-			2,527.84	
				Disbursements	-			2,527.84	738,989.28
TOTAL CASH FUNDS									21,579,468.77

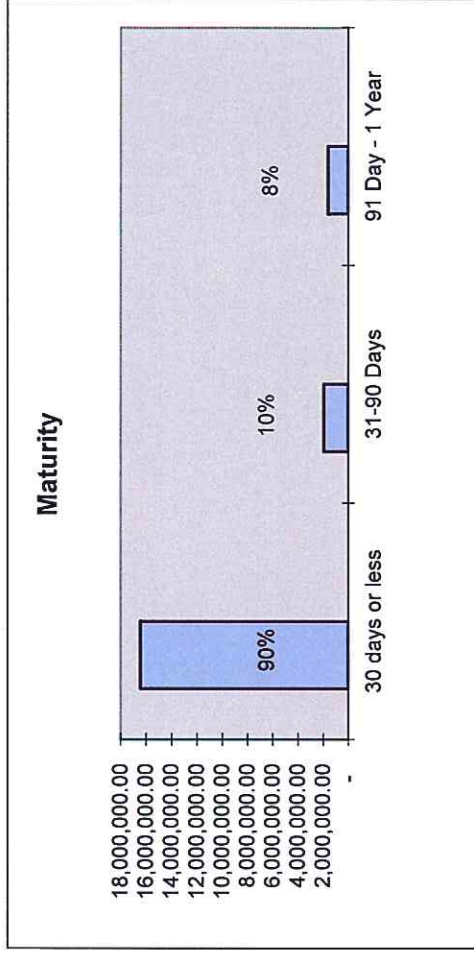
RCSD PORTFOLIO HOLDINGS REPORT  
SEPTEMBER 30, 2017

<u>Par \$</u>	<u>Issuer</u>	<u>Maturity</u>	<u>Acquisition Cost</u>	<u>Current Market</u>	<u>Gain/Loss</u>	<u>Yld Mat</u>
AGENCY						
Subtotals						
U.S. TREASURIES						
COMMERCIAL PAPER						
Subtotals						
COLLATERALIZED TIME DEPOSITS						
170,000.00	Premier	4/3/2018	170,000.20	170,000.20		0.60
500,000.00	Citizens CDARS	10/26/2017	500,000.00	500,000.00		0.05
630,000.00	Citizens CDARS	10/26/2017	630,000.00	630,000.00		0.05
575,000.00	Premier	4/3/2018	575,000.00	575,000.00		0.60
255,000.00	Premier	12/3/2017	255,000.00	255,000.00		0.60
600,000.00	Citizens CDARS	11/24/2017	600,000.00	600,000.00		0.05
600,000.00	Citizens CDARS	11/30/2017	600,000.00	600,000.00		0.05
225,000.00	Citizens Business Bank	11/5/2017	225,000.00	225,000.00		0.25
Subtotals			3,555,000.20	3,555,000.20	-	
CASH EQUIVALENT & MONEY MARKET						
16,175,999.15	LAIF	-	16,175,999.15	16,175,999.15	-	0.88
93,188.40	CHECK-PPBI-Fire- Prop tax		93,188.40	93,188.40	-	-
162,599.82	SAFEKEEPING		162,599.82	162,599.82	-	-
Subtotals			16,431,787.37	16,431,787.37	-	
GRAND TOTALS			19,986,787.57	19,986,787.57	-	

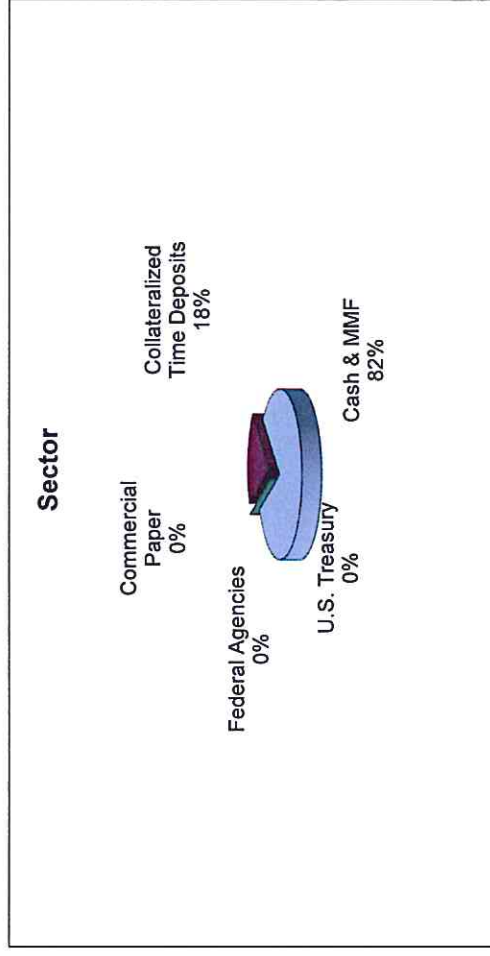


RCSD Investment Portfolio  
September 30, 2017

<u>Maturity</u>	<u>Assets</u>
30 days or less	16,431,787.37
31-90 Days	1,955,000.00
91 Day - 1 Year	1,600,000.20
Total	<u>19,986,787.57</u>



<u>Sector</u>	
Cash & MMF	16,431,787.37
U.S. Treasury	-
Federal Agencies	-
Commercial Paper	-
Collateralized Time Deposits	3,555,000.20
Total	<u>19,986,787.57</u>



13. DIRECTORS COMMENTS – NON-ACTION



#### 14. ADJOURNMENT