

**AGENDA FOR THE REGULAR MEETING OF THE  
BOARD OF DIRECTORS OF THE  
TEMESCAL VALLEY WATER DISTRICT  
SEPTEMBER 27, 2022, 8:30 A.M. AT  
THE DISTRICT'S ADMINISTRATIVE OFFICE  
22646 TEMESCAL CANYON ROAD,  
TEMESCAL VALLEY, CALIFORNIA 92883**

The following is a summary of the rules of order governing meetings of the Temescal Valley Water District Board of Directors:

**AGENDA ITEMS**

In case of an emergency, items may be added to the Agenda by a majority vote of the Board of Directors. An emergency is defined as a work stoppage; a crippling disaster; or other activity, which severely imperils public health, safety or both. Also, items, which arise after the posting of Agenda, may be added by a two-thirds vote of the Board of Directors.

**PUBLIC COMMENT**

Persons wishing to address a matter not on the Agenda may be heard at this time; however, no action will be taken until placed on a future agenda in accordance with Board policy.

**NOTICE TO PUBLIC**

All matters listed under the Consent Calendar will be voted upon by one motion. There will be no separate discussion of these items, unless a Board Member or member of the public requests that a particular item(s) be removed from the Consent Calendar, in which case, they will be considered separately under New Business.

**IF ANYONE WISHES TO SPEAK WITH THE BOARD  
ABOUT ANY CONSENT CALENDAR MATTER(S),  
PLEASE STATE YOUR NAME, ADDRESS,  
AND APPROPRIATE ITEM NUMBER(S).**

**AFFIDAVIT OF POSTING**

I, Allison Harnden, Office Manager of the Temescal Valley Water District, hereby certify that I caused the posting of the Agenda at the District office at 22646 Temescal Canyon Road, Temescal Valley, California 92883 before September 24, 2022.

\_\_\_\_\_  
Allison Harnden, Office Manager

**AGENDA FOR REGULAR MEETING**  
**September 27, 2022**

**Page No.**

1. **Roll Call and Call to Order.**
2. **Presentations and Acknowledgments.**
3. **Public Comment.**

**BOARD ITEMS:**

4. **Minutes of the August 23, 2022 Regular Meeting.** **6-9**  
**RECOMMENDATION:** Approve Minutes as written.
5. **Payment Authorization Report.** **10-12**  
**RECOMMENDATION:** Approve Report and authorize payment of the August 23-September 27, 2022 invoices.
6. **Revenue & Expenditure Reports. (Unaudited).** **13-30**
  - a. Revenue & Expenditure Reports.  
**RECOMMENDATION:** Note and file.
7. **IB Consulting presentation on TVWD Business Plan & Rate Study.** **31-70**  
**RECOMMENDATION:**
  - a. Review and approve the 5-year business plan.
  - b. Review and approve the proposed rates schedule for 218 Public Notice. New rates to start with February 2023 water deliveries. Notice to customers the third week of November for 45+ day review period.
  - c. Schedule Prop 218 Public Hearing on January 23, 2023.
8. **Trilogy Development.**
  - a. Homeowners Association update. **(-)**
  - b. Golf Course update. **(-)**

	<u>Page No.</u>
<b>9. Retreat Development.</b>	(-)
a. Project Update.	
<b>10. Terramor Development (Forestar Toscana).</b>	
a. Project Update.	(-)
b. 1487 homes to be built. 989 houses occupied to date. 67% complete.	
<b>11. Sycamore Highlands Development.</b>	(-)
a. Project Update.	
b. 79 homes to be built. 0 houses occupied to date.	
<b>12. Taylor Morris Development. (Temescal Office Partner)</b>	(-)
a. Project Update.	
b. 80 homes to be built. 0 houses occupied to date.	
<b>13. Water Utilization Reports.</b>	71-83
<b>RECOMMENDATION:</b> Note and file.	
<b>14. Sustainable Groundwater Management Act.</b>	(-)
a. Project Update.	
<b>15. Committee Reports.</b>	
a. Finance/Legislation (Director Harich).	(-)
b. Engineering/Operations (Director Myers).	(-)
c. Public Relations (Allison Harnden).	
1. Update on Payment Arrangements for Delinquent Accounts.	(-)

	<u>Page No.</u>
<b>16. General Manager's Report.</b>	
a. General Manager's Report.	84-85
b. Conservation update.	86
<b>17. Operations Report.</b>	87-89
a. Water and Sewer Operations.	
<b>18. District Engineer's Report.</b>	
a. Status of Projects.	90-91
b. Conduct Preliminary Design for the Recycled Water Conversion Projects.	92-93
<b>RECOMMENDATION:</b> Allow Dudek to develop preliminary design and estimate costs to convert the existing potable water irrigation meters to non-potable sources.	
<b>19. District Counsel's Report.</b>	(-)
<b>20. Seminars/Workshops.</b>	(-)
<b>21. Consideration of Correspondence.</b>	94
An informational package containing copies of all pertinent correspondence for the Month of August will be distributed to each Director along with the Agenda.	
<b>22. Adjournment.</b>	(-)

**MINUTES OF THE  
REGULAR MEETING OF THE  
TEMESCAL VALLEY WATER DISTRICT**

**August 23, 2022**

**PRESENT**

C. Colladay  
D. Harich  
F. Myers  
M. Buckley

**ABSENT**

J. Butler

**GUESTS**

T. Davis  
J. Watson  
L. Wilson

**STAFF**

J. Pape  
A. Harnden  
M. McCullough  
J. Scheidel  
P. Bishop  
D. Saunders

**1. Roll Call and Call to Order.**

The regular meeting of the Temescal Valley Water District was called to order by President Colladay at 8:30 a.m.

**2. Presentations and Acknowledgments.**

- 3. Public Comment** – Tracy Davis reminded the Board about the “It’s all about kids and crafts” event on Saturday, November 5<sup>th</sup> at Deleo Sports Park. Jannlee Watson asked about Groundwater Sustainability reporting.

**BOARD ITEMS:**

**4. Minutes of the July 26, 2022 Regular Meeting.**

**ACTION:** Director Harich moved to approve the minutes as written. Director Myers seconded. Motion carried unanimously.

**5. Payment Authorization Report.**

**ACTION:** Director Harich moved to approve the July 26-August 23, 2022 invoices. Director Butler seconded. Motion carried unanimously.

**6. Revenue & Expenditure Reports. (Unaudited).**

a. Revenue & Expenditure Reports.

**ACTION:** Note and file.

7. **Trilogy Development.**
  - a. Homeowners Association update.
  - b. Golf Course update.
8. **Retreat Development.**
  - a. Project Update.
9. **Terramor Development (Forestar Toscana).**
  - a. Project Update.
  - b. 1487 homes to be built. 971 houses occupied to date. 65% complete.
10. **Sycamore Highlands Development.**
  - a. Project Update.
  - b. 79 houses to be built. 0 houses occupied to date.
11. **Taylor Morris Development.**
  - a. Project Update.
  - b. 80 houses to be built. 0 houses occupied to date.
12. **Water Utilization Reports.**

**ACTION:** Note and file.
13. **Sustainable Groundwater Management Act.**
  - a. Project Update.
14. **Committee Reports.**
  - a. Finance/Legislative (Director Harich) – Director Harich asked staff to schedule a meeting.
  - b. Engineering/Operations (Director Myers) – Director Myers reported on August 11, 2022 meeting.
  - c. Public Relations (Allison Harnden).
    1. Allison reported on the status of delinquent accounts, lock offs and payment arrangements.

**15. General Manager's Report.**

a. General Manager's Report – The General Manager reported on current projects.

b. Storage Building CIP Project G-2-2021.

**ACTION:** Director Myers moved to approve the quote from SteelWood Construction in the amount of \$313,408.62 and authorize the General Manager to construct the building and complete the interior for storage. Director Harich seconded. Motion carried unanimously.

c. Sludge Processing Facility Study CIP Project S-1-2021.

**ACTION:** Director Myers moved to approve the proposal from Dudek in the not-to-exceed amount of \$80,000. Director Harich seconded. Motion carried unanimously.

d. IB Consulting 5 year Business plan & Rate study – Update and schedule.

e. Conservation update.

**16. Operations Report.**

a. Water and sewer operations.

**17. District Engineer's Report.**

a. Status of Projects.

**18. District Counsel's Report – None.****19. Seminars/Workshops.****20. Consideration of Correspondence.**

An informational package containing copies of all pertinent correspondence for the Month of July will be distributed to each Director along with the Agenda.

**21. Adjournment.**

There being no further business, the August 23, 2022 Regular Meeting of the Temescal Valley Water District Board of Directors was adjourned at 11:00 a.m. by President Colladay.



**ATTEST:**

**APPROVED:**

\_\_\_\_\_  
Fred Myers, Secretary

\_\_\_\_\_  
Charles Colladay, President

Date: \_\_\_\_\_

Date: \_\_\_\_\_

TEMESCAL VALLEY WATER DISTRICT

Payment Authorization Report

September 27, 2022

Check #	Date	Payee ID	Payee	Amount
27379-27384	8/20/22		VOID	\$ -
27385	8/20/22	JT	JUAN TORRES-TRK MAINT	175.00
27386	8/20/22		VOID	-
27387	8/24/22	REFUND	STEPHEN GORELIK	19.71
27388	8/24/22	REFUND	DEANE PLEW	255.02
27389	8/24/22	REFUND	CHENG LIN	230.07
27390	8/24/22	REFUND	REX KERN	150.73
27391	9/2/22	AD	PAYROLL	-
27392	9/2/22	BE	PAYROLL	-
27393	9/2/22	CG	PAYROLL	-
27394	9/2/22	CL	PAYROLL	-
27395	9/2/22	DB	PAYROLL	-
27396	9/2/22	DT	PAYROLL	-
27397	9/2/22	JH	PAYROLL	-
27398	9/2/22	KN	PAYROLL	-
27399	9/2/22	LK	PAYROLL	-
27400	9/2/22	MM	PAYROLL	-
27401	9/2/22	PB	PAYROLL	-
27402	9/2/22	CG	PAYROLL	-
27403	9/2/22	BLIC	BENEFICIAL LIFE INS COMPANY	759.54
27404	9/2/22	PLIC	PROTECTIVE LIFE INSURANCE COMPANY	117.60
27405	9/2/22	SO03	SOUTHERN CALIF EDISON CO.	129,696.67
27406	9/2/22	SC	SHRED CONNECT	290.00
27407	9/6/22	XI	XALOGY INC	5,518.11
27408	9/12/22	FM	VOID	-
27409	9/12/22	DH	VOID	-
27410	9/16/22	AD	PAYROLL	-
27411	9/16/22	BE	PAYROLL	-
27412	9/16/22	CG	PAYROLL	-
27413	9/16/22	CL	PAYROLL	-
27414	9/16/22	DB	PAYROLL	-
27415	9/16/22	DT	PAYROLL	-
27416	9/16/22	JH	PAYROLL	-
27417	9/16/22	KN	PAYROLL	-
27418	9/16/22	LK	PAYROLL	-
27419	9/16/22	LK	PAYROLL	-
27420	9/16/22	MM	PAYROLL	-

TEMESCAL VALLEY WATER DISTRICT  
Payment Authorization Report  
September 27, 2022

Check #	Date	Payee ID	Payee	Amount	
27421	9/16/22	PB	PAYROLL	-	
27422	9/19/22	UH	UNITEDHEALTHCARE	173.66	
27423	9/19/22	FI01	FIDELITY INVESTMENTS	800.00	
27424	9/19/22	FI01	FIDELITY INVESTMENTS	800.00	
27425	9/19/22	FI01	FIDELITY INVESTMENTS	1,060.80	
27426	9/19/22	FI01	FIDELITY INVESTMENTS	642.84	
27427	9/19/22	FI01	FIDELITY INVESTMENTS	800.00	
27428	9/19/22	FI01	FIDELITY INVESTMENTS	252.00	
27429	9/19/22	ACSI	ALEXANDER'S CONTRACT SERVICES, INC.	6,143.65	
27430	9/19/22	AGSI	AUTOMATED GATE SERVICES INC	169.00	
27431	9/19/22	ATT01	VOID	-	
27432	9/19/22	CA11	CALIFORNIA AWARDS	20.86	
27433	9/19/22	CA16	CALIFORNIA CHOICE BENEFIT ADMINISTRATOR	4,544.17	
27434	9/19/22	CAM	CHANDLER INVESTMENT MANAGEMENT	1,000.00	
27435	9/19/22	CHAC	CALIFORNIA HIGHWAY ADOPTION CO.	315.00	
27436	9/19/22	deg	DOUGLAS ENVIRONMENTAL GROUP	395.00	
27437	9/19/22	FE01	VOID	-	
27438	9/19/22	FE01	FEDERAL EXPRESS	60.91	
27439	9/19/22	GEI	GEI CONSULTANTS	2,602.50	
27440	9/19/22	GMDM	GUTIRREZ MAINTENANCE/ DANIEL GUTIERREZ	350.00	
27441	9/19/22		VOID	-	
27442	9/19/22	ICL	IB CONSULTING, LLC	3,880.00	
27443	9/19/22	LG	LOU'S GLOVES	166.00	
27444	9/19/22	MH01	MCFADDEN-DALE HARDWARE CO.	751.17	
27445	9/19/22	MTM	MASTER TECH MECHANICAL	846.45	
27446	9/19/22	NC	NORTHSTAR CHEMICAL	8,809.73	
27447	9/19/22	OPI	ON POWER INDUSTRIES	9,587.35	REPAIR-FAILED ATS SWITCH RETREAT PS
27448	9/19/22	PLM01	PARRA LANDSCAPE MAINTENANCE	6,510.50	
27449	9/19/22	PPE	PRIVATE PEST EXTERMINATORS	438.00	
27450	9/19/22	RCR2	RIVERSIDE COUNTY ASSESSOR-COUNTY CLERK	680.00	
27451	9/19/22	SAQMDHB	SOUTH COAST AIR QUALITY MGT DIST	620.61	
27452	9/19/22	SEMA	SEMA INC.	1,033.31	
27453	9/19/22	ST01	STAPLES CREDIT PLAN	392.74	
27454	9/19/22	ST02	STATE COMPENSATION INSUR.FUND	1,299.25	
27455	9/19/22	ST02	VOID	-	
27456	9/19/22	WA01	WASTE MANAGEMENT - INLAND EMPIRE	1,413.10	
27457	9/19/22	WE01	WESTERN MUNICIPAL WATER DISTR.	16,906.66	

TEMESCAL VALLEY WATER DISTRICT  
 Payment Authorization Report  
 September 27, 2022

Check #	Date	Payee ID	Payee	Amount	
27458	9/19/22	YEL	YORKE ENGINEERING, LLC	422.00	
27459-27489	9/20/22		VOID	-	
27490	9/20/22	MM	MEL McCULLOUGH-POSTAGE	100.00	
27491	9/20/22	BGM	BIG GIANT MEDIA	78.90	
27492	9/20/22	BTS	BUSINESS TELECOMMUNICATION SYSTEMS, INC	5,965.90	3 YR SUPPORT
27493	9/20/22	CE01	CENTRAL COMMUNICATIONS	260.10	
27494	9/20/22	CESI	CENTERE ELECTRIC SERVICES INC.	14,652.43	CAP-DIVERSION VALVE PJT
27495	9/20/22	CL01	CLAYSON, BAINER & SAUNDERS	1,787.50	
27496	9/20/22	DWEI	DEXTER WILSON ENGINEERING INC	1,600.00	
27497	9/20/22	FE01	FEDERAL EXPRESS	44.69	
27498	9/20/22	FL02	FLO-SYSTEMS, INC.	28,930.69	CAP-TER SEWER LIFT
27499	9/20/22	GMDM	GUTIRREZ MAINTENANCE/ DANIEL GUTIERREZ	350.00	
27500	9/20/22	HO01	HOME DEPOT CREDIT SERVICES	3,203.74	
27501	9/20/22	HWS	HYDROCURRENT WELL SERVICES LLC	11,118.41	CAP-WELL REHAB
27502	9/20/22	MH01	MCFADDEN-DALE HARDWARE CO.	110.93	
27503	9/20/22	MTM	MASTER TECH MECHANICAL	695.00	
27504	9/20/22	NC	NORTHSTAR CHEMICAL	12,290.35	
27505	9/20/22	PLM01	PARRA LANDSCAPE MAINTENANCE	362.50	
27506	9/20/22	PO07	POLYDYNE, INC.	12,697.07	
27507	9/20/22	PPE	PRIVATE PEST EXTERMINATORS	528.00	
27508	9/20/22	RDO01	VOID	-	
27509	9/20/22	SAQMDHB	SOUTH COAST AIR QUALITY MGT DIST	620.61	
27510	9/20/22	TWC	SPECTRUM BUSINESS	1,260.05	
27511	9/20/22	WE01	WESTERN MUNICIPAL WATER DISTR.	447,421.99	
27512	9/20/22	XI	XALOGY INC	5,518.11	
27513	9/20/22	ATT01	AT&T	760.84	
27514	9/20/22	DU01	DUDEK & ASSOCIATES-CONTRACT MGT	23,860.00	
27515	9/20/22	DU03	DUDEK & ASSOCIATES-PASS THRU CFD MGT	3,485.00	
Total				<u>\$ 788,802.52</u>	

THESE INVOICES ARE SUBMITTED TO THE  
 TEMESCAL VALLEY BOARD OF DIRECTORS FOR  
 APPROVAL AND AUTHORIZATION FOR PAYMENT

*Mel McCullough - Finance Manager*

Mel McCullough - Finance Manager 9/27/22

**TEMESCAL VALLEY WATER DISTRICT  
INTERNAL BALANCE SHEET  
31-Aug-22**

**ASSETS**

Fixed Assets (net of accumulated depreciation)			
Land		\$	902,118
Treatment Plants			12,140,861
Capacity Rights			13,503,639
Water System, Reservoir & Wells			8,689,565
Water & Sewer Mains			30,677,153
General Equipment Sewer/Water/ Furniture			1,797,834
Buildings & Entrance Improvements			226,970
			\$ 67,938,139
Current Assets			
Cash - Wastewater	\$ 5,967,355		
Cash - Water	18,223,334		
Cash - ID #1	616,548		
Cash - ID #2	329,979		
Cash - Nonpotable	6,993,558		
Cash - Deposits	2,154,601		34,285,375
Accounts Receivable-Services/Developers			1,791,443
Assessment Receivable			147,591
Interest Receivable			27,859
Prepaid Expenses			63,382
Inventory			80,661
		\$	36,396,310
Other Assets			
Work-in-Process			10,112,238
Deferred Outflows - Pension			164,014
<b>TOTAL ASSETS</b>		<b>\$</b>	<b>114,610,701</b>

**LIABILITIES**

Current Liabilities			
Accounts Payable		\$	859,710
Security Deposits			248,865
Payroll & Payroll Taxes Payable			92,265
Capacity & Meter Deposits			1,436,313
Fiduciary Payments Payable			101,757
Developer Deposits			366,663
Other Deposits			1,003
			3,106,576
Long-term Liabilities			
TVRP Note			301,675
Deferred Inflows - Pension			140,674
<b>TOTAL LIABILITIES</b>		<b>\$</b>	<b>3,548,925</b>

**FUND EQUITY**

Fund Balances			
Waste Water Fund Balance			41,332,074
Water Fund Balance			52,751,362
ID #1 Fund Balance			665,352
ID #2 Fund Balance			580,288
Recycled Water Fund Balance			15,732,700
<b>TOTAL FUND EQUITY</b>		<b>\$</b>	<b>111,061,777</b>
<b>TOTAL LIABILITIES &amp; FUND EQUITY</b>		<b>\$</b>	<b>114,610,701</b>

**TEMESCAL VALLEY WATER DISTRICT  
REVENUE AND EXPENDITURE/BUDGET  
For Two Months Ending August 31, 2022**

	AUGUST			YEAR TO DATE			BUDGET	BUDGET
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	2022-2023	REMAINING
<b><u>WASTEWATER DEPARTMENT</u></b>								
<b>OPERATING REVENUE:</b>								
MONTHLY SEWER SERVICE CHARGE	\$ 243,419	\$ 250,000	(6,581)	\$ 486,670	\$ 500,000	(13,330)	\$ 3,000,000	\$ (2,513,330)
MONTHLY SERVICE CHARGE-ID #1	11,764	12,000	(236)	23,528	24,000	(472)	145,000	(121,472)
MONTHLY SERVICE CHARGE-ID #2	13,307	13,700	(393)	26,614	27,400	(786)	164,000	(137,386)
MONTHLY SEWER SERVICE CHG-R COM	18,748	15,800	2,948	35,875	31,600	4,275	190,000	(154,125)
MISC UTILITY CHARGES/ REVENUE	126	4,170	(4,044)	304	8,340	(8,036)	50,000	(49,696)
STANDBY CHARGES	-	-	-	-	-	-	110,000	(110,000)
CFD REIMBURSEMENTS	-	-	-	-	-	-	30,000	(30,000)
INSPECTION CHARGES	-	2,500	(2,500)	-	5,000	(5,000)	30,000	(30,000)
TOTAL WASTEWATER REVENUE	287,364	298,170	(10,806)	572,991	596,340	(23,349)	3,719,000	(3,146,009)
<b>OPERATING EXPENSES:</b>								
WAGES EXPENSE-OPERATIONS	12,241	12,425	(184)	24,009	24,850	(841)	213,500	(189,491)
WAGES EXPENSE-INSPECTION	3,103	3,000	103	6,087	6,000	87	38,800	(32,713)
PAYROLL TAXES EXP	270	360	(90)	525	720	(195)	4,600	(4,075)
EMPLOYEE BENEFITS-INS	1,188	2,045	(857)	2,385	4,090	(1,705)	24,500	(22,115)
EMPLOYEE BENEFITS-RETIREMENT	2,677	2,820	(143)	5,382	5,640	(258)	33,800	(28,418)
OVERTIME OPERATION EXP	1,481	2,700	(1,219)	2,635	5,400	(2,765)	35,200	(32,565)
OVERTIME INSPECTION EXP	582	300	282	778	600	178	4,000	(3,222)
MILEAGE EXP	660	250	410	1,058	500	558	3,000	(1,942)
VACATION EXP	929	1,110	(181)	1,858	2,220	(362)	13,320	(11,462)
SCADA SYSTEM STANDBY EXP	400	350	50	800	700	100	4,200	(3,400)
SCADA SYSTEM ADMIN/MAINT	-	700	(700)	-	1,400	(1,400)	8,000	(8,000)
LABORATORY TESTING COSTS	1,515	1,670	(155)	3,030	3,340	(310)	20,000	(16,970)
COMPLIANCE TESTING	-	-	-	-	-	-	1,000	(1,000)
VACTOR TRUCK EXP	-	1,000	(1,000)	-	2,000	(2,000)	10,000	(10,000)
SEWER CLEANING AND VIDEO	2,240	2,200	40	2,240	4,400	(2,160)	26,000	(23,760)
PLANT PUMPING COST	-	2,000	(2,000)	1,975	4,000	(2,025)	25,000	(23,025)
SLUDGE DISPOSAL COSTS	3,123	3,000	123	4,062	6,000	(1,938)	35,000	(30,938)
SLUDGE DISPOSAL BAG EXP	-	-	-	-	-	-	25,000	(25,000)
SLUDGE CHEMICAL EXP	-	4,000	(4,000)	-	8,000	(8,000)	50,000	(50,000)
EQUIPMENT RENTAL COSTS	-	-	-	-	-	-	2,000	(2,000)
ELECTRICAL REPAIR EXP	-	400	(400)	-	800	(800)	5,000	(5,000)
EQUIPMENT REPAIRS & MAINT	8,258	22,500	(14,242)	17,817	45,000	(27,183)	270,000	(252,183)
SEWER LINE/EMERGENCY REPAIRS	-	-	-	-	-	-	15,000	(15,000)
SECURITY AND ALARM EXP	3,093	250	2,843	3,093	500	2,593	3,000	93
PROPERTY MAINTENANCE	5,037	3,750	1,287	10,062	7,500	2,562	45,000	(34,938)
EMERGENCY SERVICE COST	-	-	-	-	-	-	2,000	(2,000)
ENGINEERING/ADMIN. STUDIES (GEI)	8,177	8,000	177	8,177	8,000	177	25,000	(16,823)
ENERGY COSTS-EST	31,000	31,000	-	71,799	60,000	11,799	352,000	(280,201)
CONSUMABLE SUPPLIES & CLEANING	553	900	(347)	1,810	1,800	10	10,000	(8,190)
CHEMICALS, LUBRICANTS & FUELS	21,197	20,000	1,197	49,027	40,000	9,027	120,000	(70,973)
SMALL EQUIPMENT & TOOLS COST	-	900	(900)	203	1,800	(1,597)	10,000	(9,797)
PERMITS, FEES & TAXES (WTR BRD FEE)	1,539	3,000	(1,461)	5,898	6,000	(102)	30,000	(24,102)
SAWPA BASIN MONITORING EXP	-	30,000	(30,000)	30,318	30,000	318	30,000	318
MAP UPDATING/GIS EXP	-	-	-	-	-	-	2,000	(2,000)
MISC. OPERATING EXP	-	-	-	-	-	-	1,000	(1,000)
BAD DEBT EXPENSES	-	-	-	-	-	-	5,000	(5,000)
CONTINGENCIES	-	5,250	(5,250)	-	10,500	(10,500)	63,000	(63,000)
TOTAL OPERATING EXPENSES	109,263	165,880	(56,617)	255,028	291,760	(36,732)	1,564,920	(1,309,892)
	AUGUST			YEAR TO DATE			BUDGET	BUDGET

**TEMESCAL VALLEY WATER DISTRICT  
REVENUE AND EXPENDITURE/BUDGET  
For Two Months Ending August 31, 2022**

	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	2022-2023	REMAINING
<b>ADMINISTRATIVE EXPENSES:</b>								
CONTRACT MANAGEMENT	9,544	9,000	544	18,104	18,000	104	116,000	(97,896)
GENERAL ENGINEERING EXP	-	1,700	(1,700)	2,083	3,400	(1,317)	20,000	(17,917)
EMPLOYEE BENEFITS-INS	1,889	1,850	39	3,614	3,700	(86)	22,100	(18,486)
EMPLOYEE BENEFITS-RETIREMENT	2,506	2,470	36	4,500	4,940	(440)	32,100	(27,600)
WAGES EXPENSE	13,256	14,400	(1,144)	25,929	28,800	(2,871)	213,000	(187,071)
VACATION EXP	1,074	1,180	(106)	2,148	2,360	(212)	14,200	(12,052)
PAYROLL TAX EXPENSES	254	260	(6)	476	520	(44)	3,350	(2,874)
OVERTIME EXP	-	500	(500)	-	1,000	(1,000)	6,000	(6,000)
MILEAGE EXP ADMIN	-	25	(25)	-	50	(50)	250	(250)
CONTRACT STAFFING EXP	-	-	-	-	-	-	4,000	(4,000)
LEGAL EXPENSES	715	1,250	(535)	1,100	2,500	(1,400)	15,000	(13,900)
AUDIT EXPENSES	-	-	-	-	-	-	6,100	(6,100)
BOARD COMMITTEE MEETING EXP.	742	1,250	(508)	1,365	2,500	(1,135)	15,000	(13,635)
ELECTION & PUBLIC HEARING EXP	-	-	-	-	-	-	8,400	(8,400)
COMPUTER SYSTEM ADMIN	4,414	4,000	414	9,011	8,000	1,011	48,000	(38,989)
BANK CHARGES EXP	4,130	3,000	1,130	7,180	6,000	1,180	36,000	(28,820)
MISCELLANEOUS & EDUCATION EXP	-	200	(200)	187	400	(213)	2,000	(1,813)
TELEPHONE, FAX & CELL EXP(inc-support contract)	3,060	1,350	1,710	4,460	2,700	1,760	16,000	(11,540)
OFFICE SUPPLIES EXP	1,266	2,000	(734)	4,152	4,000	152	24,000	(19,848)
PRINTING EXPENSES	-	550	(550)	3,473	1,100	2,373	6,500	(3,027)
POSTAGE & DELIVERY EXPENSE	1,193	1,500	(307)	2,250	2,500	(250)	13,000	(10,750)
PUBLICATIONS, NOTICES & DUES	27	170	(143)	27	340	(313)	2,000	(1,973)
EQUIPMENT LEASE EXPENSES	-	670	(670)	813	1,340	(527)	8,000	(7,187)
INSURANCE EXPENSES	1,644	3,200	(1,556)	3,288	6,400	(3,112)	38,500	(35,212)
ANNUAL ASSESSMENT EXP	-	-	-	-	-	-	4,600	(4,600)
COMMUNITY OUTREACH EXP	157	660	(503)	450	1,320	(870)	8,000	(7,550)
INVESTMENT EXP	-	400	(400)	400	800	(400)	4,800	(4,400)
<b>TOTAL ADMINISTRATIVE EXPENSES</b>	<b>45,871</b>	<b>51,585</b>	<b>(5,714)</b>	<b>95,010</b>	<b>102,670</b>	<b>(7,660)</b>	<b>686,900</b>	<b>(591,890)</b>
<b>TOTAL WASTEWATER EXPENSES</b>	<b>155,134</b>	<b>217,465</b>	<b>(62,331)</b>	<b>350,038</b>	<b>394,430</b>	<b>(44,392)</b>	<b>2,251,820</b>	<b>(1,901,782)</b>
<b>NET OPERATING REVENUE/EXPENSE</b>	<b>132,230</b>	<b>80,705</b>	<b>51,525</b>	<b>222,953</b>	<b>201,910</b>	<b>21,043</b>	<b>1,467,180</b>	<b>(1,244,227)</b>
<b>NON-OPERATING SOURCE OF FUNDS:</b>								
INTEREST INCOME	3,627	1,250	2,377	7,254	2,500	4,754	15,000	(7,746)
PROPERTY TAX INCOME	-	-	-	396	396	-	75,000	(74,604)
<b>TOTAL NON-OPER SOURCE OF FUNDS</b>	<b>3,627</b>	<b>1,250</b>	<b>2,377</b>	<b>7,650</b>	<b>2,500</b>	<b>5,150</b>	<b>90,000</b>	<b>(82,350)</b>
<b>TOTAL SEWER REVENUE/EXPENSE</b>	<b>\$ 135,857</b>	<b>81,955</b>	<b>53,902</b>	<b>\$ 230,603</b>	<b>204,410</b>	<b>26,193</b>	<b>\$ 1,557,180</b>	<b>(1,326,577)</b>
TRANSFER TO CAPITAL FUND-REPLACEMENT				105,473				
TRANSFER TO CAPITAL FUND-IMPROVEMENT				125,130				
CONNECTION FEES				-				
				-				
<b>WASTE WATER CAPITAL FUND:</b>								
ENDING FUNDS AVAILABLE 2020-2021	7,335,067							
TRANSFER FOR CAPITAL FUND REPLACEMENT	105,473							
TRANSFER FOR CAPITAL IMPROVEMENTS	125,130							
CAPITAL IMPROVEMENT (SEE ATTACHED DETAIL)	(75,642)							
<b>TOTAL FUNDS AVAILABLE</b>	<b>7,490,028</b>							

**TEMESCAL VALLEY WATER DISTRICT  
REVENUE AND EXPENDITURE/BUDGET  
For Two Months Ending August 31, 2022**

***WATER DEPARTMENT***

**OPERATING REVENUE:**

	AUGUST			YEAR TO DATE			BUDGET	BUDGET
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	-	REMAINING
WATER SERVICE CHARGE	<b>162,702</b>	162,920	(218)	<b>325,220</b>	325,840	(620)	<b>1,955,000</b>	<b>(1,629,780)</b>
WATER USAGE CHARGES	<b>469,800</b>	474,000	(4,200)	<b>1,050,505</b>	1,036,000	14,505	<b>5,618,000</b>	<b>(4,567,495)</b>
WATER PUMPING CHARGE	<b>20,181</b>	27,000	(6,819)	<b>44,610</b>	49,500	(4,890)	<b>225,000</b>	<b>(180,390)</b>
FIRE PROTECTION CHARGES	<b>3,343</b>	3,600	(257)	<b>6,687</b>	7,200	(513)	<b>43,000</b>	<b>(36,313)</b>
MISC. UTILITY CHARGES	<b>12,573</b>	3,350	9,223	<b>22,855</b>	6,700	16,155	<b>40,000</b>	<b>(17,145)</b>
SERVICE METER INCOME	<b>5,400</b>	5,000	400	<b>6,600</b>	10,000	(3,400)	<b>60,000</b>	<b>(53,400)</b>
CELLULAR SITE LEASE	<b>6,616</b>	6,330	286	<b>16,425</b>	12,660	3,765	<b>76,000</b>	<b>(59,575)</b>
MWD READINESS TO SERVE CHARGE	<b>10,942</b>	13,500	(2,558)	<b>21,885</b>	27,000	(5,115)	<b>162,000</b>	<b>(140,115)</b>
STANDBY CHARGES	-	-	-	-	-	-	<b>40,000</b>	<b>(40,000)</b>
CFD REIMBURSEMENTS	-	-	-	-	-	-	<b>30,000</b>	<b>(30,000)</b>
INSPECTION CHARGES	-	2,500	(2,500)	-	5,000	(5,000)	<b>30,000</b>	<b>(30,000)</b>
TOTAL WATER REVENUE	<b>691,557</b>	698,200	(6,643)	<b>1,494,787</b>	1,479,900	14,887	<b>8,279,000</b>	<b>(6,784,213)</b>



**TEMESCAL VALLEY WATER DISTRICT  
REVENUE AND EXPENDITURE/BUDGET  
For Two Months Ending August 31, 2022**

	AUGUST			YEAR TO DATE			BUDGET	BUDGET
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	33,800	REMAINING
OPERATING EXPENSES:								
WAGES EXPENSE-OPERATIONS	12,180	12,400	(220)	22,478	24,800	(2,322)	187,000	(164,522)
WAGES EXPENSE-INSPECTION	2,715	2,650	65	5,325	5,300	25	34,000	(28,675)
PAYROLL TAXES EXP	236	300	(64)	459	600	(141)	4,000	(3,541)
EMPLOYEE BENEFITS-INS	774	1,800	(1,026)	1,555	3,600	(2,045)	21,450	(19,895)
EMPLOYEE BENEFITS-RETIREMENT	2,127	2,280	(153)	4,254	4,560	(306)	29,600	(25,346)
OPERATION-MILEAGE EXP	-	125	(125)	-	250	(250)	1,500	(1,500)
OVERTIME EXPENSE OPER/ ON CALL	1,134	780	354	1,337	1,560	(223)	10,200	(8,863)
OVERTIME EXP INSPECTION	509	260	249	680	520	160	3,300	(2,620)
OVERTIME CROSS CONNECTION EXP	1,534	1,600	(66)	3,068	3,200	(132)	20,800	(17,732)
SCADA SYSTEM STANDBY EXP	400	280	120	600	560	40	3,640	(3,040)
VACATION EXP	813	975	(162)	1,626	1,950	(324)	11,700	(10,074)
CONTRACT STAFFING-METER READS	6,146	6,500	(354)	12,292	13,000	(708)	78,000	(65,708)
SCADA SYSTEM ADMIN/MAINT	-	850	(850)	-	1,700	(1,700)	10,000	(10,000)
LABORATORY TESTING COSTS	2,650	1,000	1,650	2,650	2,000	650	13,000	(10,350)
COMPLIANCE TESTING	1,542	1,300	242	3,351	2,600	751	15,500	(12,149)
LEAK DETECTION EXPENSE	-	-	-	-	-	-	8,000	(8,000)
EPA WATER TESTING EXP	-	-	-	-	-	-	8,500	(8,500)
EQUIPMENT RENTAL COSTS	-	200	(200)	573	400	173	2,000	(1,427)
EQUIPMENT REPAIRS & MAINT.	10,709	6,700	4,009	17,845	13,400	4,445	80,000	(62,155)
WATER LINE REPAIRS	-	-	-	-	-	-	40,000	(40,000)
ALARM MONITORING COSTS	1,068	275	793	1,068	550	518	3,300	(2,232)
EMERGENCY SERVICE COST	-	125	(125)	-	250	(250)	1,500	(1,500)
PROPERTY MAINTENANCE	-	500	(500)	-	1,000	(1,000)	5,000	(5,000)
ENGINEERING/ADMIN. STUDIES	-	650	(650)	-	1,300	(1,300)	8,000	(8,000)
PLAN CHECK EXPENSE (TVWD)	-	850	(850)	-	1,700	(1,700)	10,000	(10,000)
ENERGY COSTS(est)	23,000	23,250	(250)	40,765	42,600	(1,835)	195,000	(154,235)
CONSUMABLE SUPPLIES & CLEANING	1,751	1,500	251	1,751	2,000	(249)	3,200	(1,449)
CHEMICALS, LUBRICANTS & FUELS	627	830	(203)	1,116	1,660	(544)	10,000	(8,884)
SMALL EQUIPMENT & TOOLS COST	1,971	2,000	(29)	1,971	2,000	(29)	5,000	(3,029)
PERMITS, FEES & TAXES	434	2,100	(1,666)	434	4,200	(3,766)	25,000	(24,566)
MAP UPDATING/GIS EXP	-	500	(500)	-	1,000	(1,000)	5,000	(5,000)
SERVICE METERS & PARTS COSTS	2,916	6,000	(3,084)	3,564	12,000	(8,436)	71,000	(67,436)
WHOLESALE WATER PURCHASES	447,421	450,000	(2,579)	905,978	900,000	5,978	5,020,000	(4,114,022)
WATER-MWD CAPACITY CHARGE	5,083	5,500	(417)	10,166	11,000	(834)	66,000	(55,834)
WATER-READINESS TO SERVE/REFUSAL CHARGE	11,823	13,500	(1,677)	23,646	27,000	(3,354)	162,000	(138,354)
WMWD-MGLMR EXP	-	-	-	-	-	-	185,000	(185,000)
BAD DEBT EXPENSES	-	-	-	-	-	-	10,000	(10,000)
CONSERVATION REBATE EXP	-	500	(500)	-	1,000	(1,000)	5,000	(5,000)
CONTINGENCIES	-	4,700	(4,700)	-	9,400	(9,400)	56,000	(56,000)
TOTAL OPERATING EXPENSES	539,563	552,780	(13,217)	1,068,552	1,098,660	(30,108)	6,428,190	(5,359,638)

**TEMESCAL VALLEY WATER DISTRICT  
REVENUE AND EXPENDITURE/BUDGET  
For Two Months Ending August 31, 2022**

	AUGUST			YEAR TO DATE			BUDGET	BUDGET
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	2022-2023	REMAINING
<b>ADMINISTRATIVE EXPENSES:</b>								
CONTRACT MANAGEMENT	8,351	8,000	351	15,841	16,000	(159)	102,000	(86,159)
GENERAL ENGINEERING EXP	-	1,850	(1,850)	6,236	6,200	36	22,000	(15,764)
EMPLOYEE BENEFITS-INS	1,523	1,620	(97)	2,804	3,240	(436)	19,400	(16,596)
EMPLOYEE BENEFITS-RETIREMENT	2,137	2,165	(28)	4,303	4,330	(27)	28,100	(23,797)
WAGES EXPENSE	13,283	14,350	(1,067)	26,053	28,700	(2,647)	186,400	(160,347)
VACATION EXP	940	1,000	(60)	1,880	2,000	(120)	12,400	(10,520)
MILEAGE EXP ADMIN	-	-	-	-	-	-	500	(500)
OVERTIME EXPENSE	-	150	(150)	-	300	(300)	2,000	(2,000)
PAYROLL TAX EXPENSES	223	230	(7)	416	460	(44)	3,000	(2,584)
CONTRACT STAFFING-OFFICE	-	-	-	-	-	-	3,500	(3,500)
LEGAL EXPENSES	626	1,000	(374)	962	2,000	(1,038)	12,000	(11,038)
AUDIT EXPENSES	-	-	-	-	-	-	5,500	(5,500)
BOARD COMMITTEE/ MEETING EXP.	649	1,100	(451)	1,193	2,200	(1,007)	13,000	(11,807)
COMPUTER SYSTEM EXP	3,862	2,500	1,362	7,884	5,000	2,884	30,000	(22,116)
BANK CHARGES EXP	3,614	2,700	914	6,283	5,400	883	32,500	(26,217)
MISCELLANEOUS & EDUCATION EXP	-	400	(400)	-	800	(800)	4,000	(4,000)
TELEPHONE EXP	2,912	1,100	1,812	4,365	2,200	2,165	13,000	(8,635)
OFFICE SUPPLIES EXP	589	1,450	(861)	3,128	2,900	228	17,000	(13,872)
PRINTING EXPENSES	-	2,750	(2,750)	3,309	2,750	559	5,500	(2,191)
POSTAGE & DELIVERY EXPENSE	955	1,000	(45)	1,851	2,000	(149)	11,500	(9,649)
PUBLICATIONS, NOTICES & DUES	24	200	(176)	24	400	(376)	2,500	(2,476)
EQUIPMENT LEASE EXPENSES	-	600	(600)	710	1,200	(490)	7,000	(6,290)
INSURANCE EXPENSES	1,440	2,850	(1,410)	2,880	5,700	(2,820)	34,000	(31,120)
INVESTMENT EXPENSE	-	375	(375)	350	750	(400)	4,500	(4,150)
ANNUAL ASSESSMENT EXP	-	-	-	-	-	-	4,500	(4,500)
ELECTION & PUBLIC HEARING EXP	-	-	-	-	-	-	7,350	(7,350)
COMMUNITY OUT REACH EXP	157	-	157	157	-	157	15,000	(14,843)
TOTAL ADMINISTRATIVE EXPENSES	41,285	47,390	(6,105)	90,629	94,530	(3,901)	598,150	(507,521)
TOTAL WATER EXPENSES	580,848	600,170	(19,322)	1,159,181	1,193,190	(34,009)	7,026,340	(5,867,159)
<b>NET OPERATING REVENUE/EXPENSE</b>	<b>110,709</b>	<b>98,030</b>	<b>12,679</b>	<b>335,606</b>	<b>286,710</b>	<b>48,896</b>	<b>1,252,660</b>	<b>(917,054)</b>
<b>NON-OPERATING SOURCE OF FUNDS:</b>								
INTEREST INCOME	4,582	1,700	2,882	9,164	3,400	5,764	20,000	(10,836)
PROPERTY TAX INCOME	-	-	-	-	-	-	40,000	(40,000)
TOTAL NON-OP SOURCE OF FUNDS	4,582	1,700	2,882	9,164	3,400	5,764	60,000	(50,836)
<b>TOTAL REVENUE/EXPENSE</b>	<b>115,291</b>	<b>99,730</b>	<b>15,561</b>	<b>344,770</b>	<b>290,110</b>	<b>54,660</b>	<b>1,312,660</b>	<b>(967,890)</b>
TRANSFER TO CAPITAL FUND-REPLACEMENT				94,898				
TRANSFER TO CAPITAL FUND-IMPROVEMENT				249,872				
CONNECTION FEES				-				
CAPACITY USAGE INCOME				85,057				
LONG TERM DEBT REDUCTION				85,057				
<b>WATER CAPITAL FUND:</b>				-				
ENDING FUNDS AVAILABLE 2020-2021	17,840,961							
TRANSFER FOR CAPITAL FUND REPLACEMENT	344,770							
TRANSFER FOR CAPITAL IMPROVEMENTS	94,898							
CAPITAL IMPROVEMENT (SEE ATTACHED DETAIL)	(57,295)							
<b>TOTAL FUNDS AVAILABLE</b>	<b>18,223,334</b>							

**TEMESCAL VALLEY WATER DISTRICT  
REVENUE AND EXPENDITURE/BUDGET  
For Two Months Ending August 31, 2022**

	AUGUST			YEAR TO DATE			BUDGET 2020-2021	BUDGET REMAINING
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE		
<b>ID#1 DEPARTMENT</b>								
OPERATING REVENUE:								
ANNUAL SEWER SERVICE CHARGE	13,725	13,725	-	27,450	27,450	-	164,700	(137,250)
TOTAL ID #1 REVENUE	13,725	13,725	-	27,450	27,450	-	164,700	(137,250)
OPERATING EXPENSES:								
MONTHLY TREATMENT PLANT COSTS	11,764	12,000	(236)	23,528	24,000	(472)	145,000	(121,472)
TOTAL OPERATING COSTS	11,764	12,000	(236)	23,528	24,000	(472)	145,000	(121,472)
ADMINISTRATIVE EXPENSES:								
ANNUAL ASSESSMENT PROCESSING	-	-	-	-	-	-	3,000	(3,000)
TOTAL ADMINISTRATIVE EXPENSES	-	-	-	-	-	-	3,000	(3,000)
TOTAL ID#1 EXPENSES	11,764	12,000	(236)	23,528	24,000	(472)	148,000	(124,472)
<b>NET OPERATING REVENUE/EXPENSE</b>	<b>1,961</b>	<b>1,725</b>	<b>236</b>	<b>3,922</b>	<b>3,450</b>	<b>472</b>	<b>16,700</b>	<b>(12,778)</b>
NON-OPERATING SOURCE OF FUNDS:								
INTEREST INCOME-LAIF	95	267	(172)	190	534	(344)	3,200	(3,010)
TOTAL NON-OPER SOURCE OF FUNDS	95	267	(172)	190	534	(344)	3,200	(3,010)
<b>TOTAL REVENUE/EXPENSE</b>	<b>2,056</b>	<b>1,992</b>	<b>64</b>	<b>4,112</b>	<b>3,984</b>	<b>128</b>	<b>19,900</b>	<b>(15,788)</b>
TRANSFER TO SINKING FUND FOR CAPACITY				4,112				
				-				
<b>ID #1 FUND BALANCE:</b>								
ENDING FUNDS AVAILABLE 2020-2021	612,436							
SINKING FUND FOR CAPACITY	4,112							
TOTAL FUNDS AVAILABLE	616,548							
	AUGUST			YEAR TO DATE			BUDGET 2022-2023	BUDGET REMAINING
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE		
<b>ID#2 DEPARTMENT</b>								
OPERATING REVENUE:								
ANNUAL SEWER SERVICE CHARGE	15,525	15,525	-	31,050	31,050	-	186,300	(155,250)
TOTAL ID #2 REVENUE	15,525	15,525	-	31,050	31,050	-	186,300	(155,250)
OPERATING EXPENSES:								
MONTHLY TREATMENT PLANT COSTS	13,307	13,650	(343)	26,614	26,614	-	164,000	(137,386)
TOTAL OPERATING COSTS	13,307	13,650	(343)	26,614	26,614	-	164,000	(137,386)
ADMINISTRATIVE EXPENSES:								
ANNUAL ASSESSMENT PROCESSING	-	-	-	-	-	-	3,000	(3,000)
TOTAL ADMINISTRATIVE EXPENSES	-	-	-	-	-	-	3,000	(3,000)
TOTAL ID#2 EXPENSES	13,307	13,650	(343)	26,614	26,614	-	167,000	(140,386)
<b>NET OPERATING REVENUE/EXPENSE</b>	<b>2,218</b>	<b>1,875</b>	<b>343</b>	<b>4,436</b>	<b>4,436</b>	<b>-</b>	<b>19,300</b>	<b>(14,864)</b>
NON-OPERATING SOURCE OF FUNDS:								
INTEREST INCOME/UNREALIZED GAIN ON INV	189	250	(61)	378	500	(122)	3,000	(2,622)
TOTAL NON-OPER SOURCE OF FUNDS	189	250	(61)	378	500	(122)	3,000	(2,622)
<b>TOTAL REVENUE/EXPENSE</b>	<b>2,407</b>	<b>2,125</b>	<b>282</b>	<b>4,814</b>	<b>4,936</b>	<b>(122)</b>	<b>22,300</b>	<b>(17,486)</b>
TRANSFER TO SINKING FUND FOR CAPACITY				4,814				
				-				
<b>ID #2 FUND BALANCE:</b>								
ENDING FUNDS AVAILABLE 2020-2021	325,165							
SINKING FUND FOR CAPACITY	4,814							
TOTAL FUNDS AVAILABLE	329,979							

**TEMESCAL VALLEY WATER DISTRICT  
REVENUE AND EXPENDITURE/BUDGET  
For Two Months Ending August 31, 2022**

	AUGUST			YEAR TO DATE			BUDGET	BUDGET
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	2022-2023	REMAINING
<b><u>NON-POTABLE WATER DEPARTMENT</u></b>								
OPERATING REVENUE:								
RECYCLED/NON-POTABLE WATER SALES	225,413	252,000	(26,587)	499,907	504,000	(4,093)	2,100,000	(1,600,093)
RECYCLED/ NON-POT WATER FIXED CHARGE	23,813	24,600	(787)	47,557	49,200	(1,643)	295,000	(247,443)
RECYCLED/NON-POTABLE PUMPING CHARGE	8,496	8,520	(24)	18,481	17,040	1,441	71,000	(52,519)
MISC INCOME	-	1,000	(1,000)	-	2,000	(2,000)	11,500	(11,500)
INSPECTION REVENUE	-	1,500	(1,500)	-	3,000	(3,000)	18,000	(18,000)
<b>TOTAL NON-POTABLE REVENUE</b>	<b>257,722</b>	<b>287,620</b>	<b>(29,898)</b>	<b>565,945</b>	<b>575,240</b>	<b>(9,295)</b>	<b>2,495,500</b>	<b>(1,929,555)</b>
OPERATING EXPENSES:								
WAGES EXPENSE-OPERATIONS	7,650	8,300	(650)	15,006	16,600	(1,594)	133,500	(118,494)
WAGES EXPENSE-INSPECTION	1,940	1,900	40	3,805	3,800	5	24,300	(20,495)
PAYROLL TAXES EXP	169	223	(54)	329	446	(117)	2,900	(2,571)
EMPLOYEE BENEFITS-INS	553	1,275	(722)	1,111	2,550	(1,439)	15,300	(14,189)
EMPLOYEE BENEFITS-RETIREMENT	1,519	1,630	(111)	3,038	3,260	(222)	21,200	(18,162)
MILEAGE EXP	-	100	(100)	-	200	(200)	1,000	(1,000)
OVERTIME EXP OPER	918	560	358	1,431	1,120	311	7,250	(5,819)
OVERTIME EXP INSPECTION	363	200	163	486	400	86	2,450	(1,964)
OVERTIME CROSS CONNECTION	917	1,140	(223)	1,431	2,280	-	14,800	(13,369)
VACATION EXP	581	700	(119)	1,162	1,400	(238)	8,400	(7,238)
PLAN CHECK EXP (TVWD)	-	100	(100)	-	200	(200)	1,000	(1,000)
SCADA SYSTEM STANDBY EXP	-	220	(220)	-	440	(440)	2,600	(2,600)
SCADA SYS MAINTENANCE EXP	-	420	(420)	-	840	(840)	5,000	(5,000)
LABORATORY TESTING COSTS	1,894	850	1,044	1,894	1,700	194	10,000	(8,106)
EQUIPMENT REPAIRS & MAINT.	1,085	1,700	(615)	1,085	3,400	(2,315)	20,000	(18,915)
NONPOTABLE WATER LINE REPAIR	8,606	3,400	5,206	8,606	6,800	1,806	40,000	(31,394)
SECURITY AND ALARM EXP	1,068	100	968	1,068	200	868	1,000	68
PROPERTY MAINTENANCE	-	600	(600)	1,240	1,200	40	7,000	(5,760)
ENERGY COSTS(est)	33,800	33,600	-	71,656	67,200	4,456	280,000	(208,344)
CONSUMABLE SUPPLIES EXP	-	100	(100)	-	200	(200)	1,500	(1,500)
CHEMICALS, LUBRICANTS & FUELS	449	420	29	688	840	(152)	5,000	(4,312)
PERMITS AND FEES EXP	310	1,000	(690)	310	2,000	(1,690)	11,000	(10,690)
SERVICE METERS AND PARTS COSTS	-	600	(600)	-	1,200	(1,200)	7,000	(7,000)
RECYCLED SIGN/TOOLS EXP	-	-	-	-	-	-	4,000	(4,000)
MISC OPERATING EXP	-	50	(50)	-	100	(100)	500	(500)
BAD DEBT	-	-	-	-	-	-	2,000	(2,000)
CONTINGENCIES	-	2,000	(2,000)	-	4,000	(4,000)	25,000	(25,000)
<b>TOTAL OPERATING EXPENSES</b>	<b>61,622</b>	<b>61,188</b>	<b>434</b>	<b>114,346</b>	<b>122,376</b>	<b>(7,181)</b>	<b>653,700</b>	<b>(539,354)</b>

**TEMESCAL VALLEY WATER DISTRICT  
REVENUE AND EXPENDITURE/BUDGET  
For Two Months Ending August 31, 2022**

	AUGUST			YEAR TO DATE			BUDGET	BUDGET
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	2022-2023	REMAINING
<b>ADMINISTRATIVE EXPENSES:</b>								
CONTRACT MANAGEMENT	5,965	5,620	345	11,315	11,240	75	73,000	(61,685)
GENERAL ENGINEERING	-	600	(600)	2,106	1,200	906	7,000	(4,894)
EMPLOYEE BENEFITS-INS	1,110	1,150	(40)	2,119	2,300	(181)	13,800	(11,681)
EMPLOYEE BENEFITS-RETIREMENT	1,641	1,675	(34)	3,231	3,350	(119)	20,100	(16,869)
WAGES EXPENSE	9,488	10,250	(762)	18,610	20,500	(1,890)	133,200	(114,590)
VACATION EXP	671	750	(79)	1,342	1,500	(158)	8,850	(7,508)
MILEAGE EXP	-	20	(20)	-	40	(40)	200	(200)
OVERTIME EXP	-	200	(200)	-	400	(400)	2,500	(2,500)
PAYROLL TAX EXPENSE	160	170	(10)	298	340	(42)	2,100	(1,802)
CONTRACT STAFFING OFFICE EXP	-	-	-	-	-	-	2,500	(2,500)
LEGAL EXPENSE	446	600	(154)	587	1,200	(613)	7,000	(6,413)
AUDIT EXP	-	-	-	-	-	-	4,500	(4,500)
BOARD FEES EXP	464	750	(286)	853	1,500	(647)	9,000	(8,147)
ELECTION & PUBLIC HEARING EXP	-	450	(450)	-	900	(900)	5,000	(5,000)
COMPUTER SYSTEMS EXP	2,759	2,400	359	5,633	4,800	833	28,000	(22,367)
BANK CHARGES	2,580	2,000	580	4,485	4,000	485	23,000	(18,515)
MISC & EDUCATION EXP	-	100	(100)	-	200	(200)	1,000	(1,000)
TELEPHONE EXP	1,846	830	1,016	2,852	1,660	1,192	10,000	(7,148)
OFFICE SUPPLIES	393	650	(257)	701	1,300	(599)	8,000	(7,299)
PRINTING EXP	-	-	-	815	2,000	(1,185)	4,000	(3,185)
POSTAGE EXP	696	650	46	1,337	1,300	37	8,000	(6,663)
PUBLICATION EXP	17	100	(83)	17	200	(183)	1,000	(983)
EQUIPMENT LEASE EXP	-	330	(330)	507	660	(153)	4,000	(3,493)
INSURANCE EXPENSE	1,035	2,000	(965)	2,070	4,000	(1,930)	24,000	(21,930)
ANNUAL ASSESSMENT EXP	-	-	-	-	-	-	3,000	(3,000)
INVESTMENT EXPENSE	-	250	(250)	250	500	(250)	3,000	(2,750)
COMMUNITY OUTREACH EXP	-	-	-	-	-	-	5,000	(5,000)
TOTAL ADMINISTRATIVE EXPENSES	<u>29,271</u>	<u>31,545</u>	<u>(2,274)</u>	<u>59,128</u>	<u>65,090</u>	<u>(5,962)</u>	<u>410,750</u>	<u>(351,622)</u>
TOTAL NON-POTABLE OPERATING EXPENSES	<u>90,893</u>	<u>92,733</u>	<u>(1,840)</u>	<u>173,474</u>	<u>187,466</u>	<u>(13,992)</u>	<u>1,064,450</u>	<u>(890,976)</u>
<b>NET OPERATING REVENUE/EXPENSE</b>	<b>166,829</b>	<b>194,887</b>	<b>(28,058)</b>	<b>392,471</b>	<b>387,774</b>	<b>4,697</b>	<b>1,431,050</b>	<b>(1,038,579)</b>
<b>NON-OPERATING SOURCE OF FUNDS:</b>								
INTEREST INCOME	1,052	1,000	52	2,104	2,000	104	12,000	(9,896)
TOTAL NON-OP SOURCE OF FUNDS	<u>1,052</u>		<u>(28,006)</u>	<u>2,104</u>	<u>2,000</u>	<u>104</u>	<u>12,000</u>	<u>(9,896)</u>
<b>TOTAL REVENUE/EXPENSE</b>	<b>167,881</b>	<b>194,887</b>	<b>(27,006)</b>	<b>394,575</b>	<b>389,774</b>	<b>4,801</b>	<b>1,443,050</b>	<b>(1,048,475)</b>
TRANSFER TO CAPITAL FUND-REPLACEMENT				56,426				
TRANSFER TO CAPITAL FUND-IMPROVEMENT				338,149				
CONNECTION FEES				-				
				-				
<b>NON-POTABLE FUND BALANCE:</b>								
ENDING FUNDS AVAILABLE 2020-2021	6,635,550							
TRANSFER FOR CAPITAL FUND REPLACEMENT	56,426							
TRANSFER FOR CAPITAL IMPROVEMENTS	338,149							
CAPITAL IMPROVEMENT (SEE ATTACHED DETAIL)	(36,567)							
TOTAL FUNDS AVAILABLE	<u>6,993,558</u>							

**FY 2022/2023 Maintenance /General Projects**

Item	Budget	Fund	Year to Date	Variance	
1	<b>Diversion Valve: Compliance</b>				
	Center Electric (provide control box, wiring & fiber)			12,067	
	Trans Controls (provide plc & associated equip, programming)			22,724	
	Excavation			2,500	
				<b>37,291</b>	
		WRF	31,226		Equipment purchased, conduit installed pulling fiber
2	<b>Dive inspection - All tanks</b>	Potable/ RW		25,000	
3	<b>Rotary Screw Compressors - Continuous duty</b>	WRF	38,252	1,748	Purchased and installed
4	<b>Replace (3) 16" Plant Isolation Valves: Recycled Water</b>				Valves purchased - backordered
	Don Petersen (install valves and adaptors, backfill)	RW		44,200	
5	<b>Raise Block Wall Around Sludge Area</b>	WRF		20,000	
6	<b>CERLIC Portable Sludge Blanket Sensor</b>	WRF		4,305	Paul to purchase
7	<b>Retreat Booster Station ATS Replacement</b>	Potable		8,725	Paul to order
8	<b>OPS Bldg. Toilet Replacement &amp; New Water Heater</b>	General Building	1,484	8,516	Complete
9	<b>New Flow Meter for Centrifuge</b>	WRF		9,595	
10	<b>Confined Space Tripod &amp; Blower</b>	Operations		10,000	Paul to order
11	<b>Replacement Rotork Actuators (3)</b>	WRF		20,000	Paul to order
12	<b>Next Year Budget Maintenance:</b>				
	Generator Inspections & Service	All		18,000	Ongoing
	HVAC Inspections	All		5,500	Ongoing
	Cla-Val Inspections & Service	Potable		5,000	Ongoing
	<b>TOTAL</b>		<b>70,962</b>	<b>186,654</b>	

	Not Started
	In Process
	Completed

**Temescal Valley Water District  
Capital Projects  
Yearly Miscellaneous and Multi - Year**

Not Started  
In Process  
Completed

Capital Projects		Source of Funding					AUGUST 2022 - FY 22/23			Total YTD	Variance	
FY 2022/2023 Maintenance/ General Projects	CIP #	Eng #1401.*	Total Cost	Sewer Fund	Water Fund	Recycled Fund	Previous YR	Sewer Fund	Water Fund			Recycled Fund
Computer and Software Upgrades	G-1-2019	N/A	\$ 25,000	\$ 10,000	\$ 8,750	\$ 6,250					\$ -	\$ 25,000
Computer - Servers		N/A	\$ -	\$ -	\$ -	\$ -		\$ 15,595	\$ 13,646	\$ 9,748	\$ 38,989	\$ (38,989)
General Building Improvements	G-2-2019	N/A	\$ 80,000	\$ 32,000	\$ 28,000	\$ 20,000					\$ -	\$ 80,000
New Work Truck	G-4-2021	N/A	\$ 50,000	\$ 20,000	\$ 17,500	\$ 12,500					\$ -	\$ 50,000
Secondary FEB Pump Replacement	G-5-2021	N/A	\$ 120,000	\$ 72,000	\$ -	\$ 48,000					\$ -	\$ 120,000
GIS Mapping - Water, Sewer, RW pipelines and facilities	G-7-2021	1904/1905	\$ 50,160	\$ 20,064	\$ 17,556	\$ 12,540		\$ 720			\$ 720	\$ 49,440
Groundwater Sustainability JPA	General	N/A	\$ 135,000	\$ -	\$ 135,000	\$ -					\$ -	\$ 135,000
5-year Financial Plan Development with 218 notice	G-1-2020	N/A	\$ 45,000	\$ 15,000	\$ 15,000	\$ 15,000			\$ 1,595		\$ 1,595	\$ 43,405
Digester System Operational Control	S-2-2022	N/A	\$ 75,523	\$ 75,523	\$ -	\$ -					\$ -	\$ 75,523
General Maint Projects List (See Sheet)	General	N/A	\$ 260,000	\$ 140,000	\$ 100,000	\$ 20,000		\$ 38,319	\$ 27,675	\$ 4,968	\$ 70,962	\$ 189,038
<b>SUBTOTAL</b>			<b>\$ 840,683</b>	<b>\$ 384,587</b>	<b>\$ 321,806</b>	<b>\$ 134,290</b>	<b>\$ -</b>	<b>\$ 54,634</b>	<b>\$ 42,916</b>	<b>\$ 14,716</b>	<b>\$ 112,266</b>	<b>\$ 728,417</b>

Prices received - waiting for inventory  
Pump Rep reviewing required pump curves  
Ongoing - working with iWater on program  
Ongoing -  
Final Review Tuesday 16th for Board presentati  
P.O issued - parts ordered  
See list

Multiple Fiscal Year Projects		Source of Funding					YEAR TO DATE			Total YTD	Variance	
Multiple Fiscal Year Projects	CIP #	Eng #1401.*	Total Cost	Sewer Fund	Water Fund	Recycled Fund	Previous YR	Sewer Fund	Water Fund			Recycled Fund
Trailer Yard Goat	G-1-2021	N/A	\$ 100,000	\$ 60,000	\$ -	\$ 40,000				\$ 4,292	\$ 4,292	\$ 770,708
Recycled and Non-potable Pipeline extensions	NP-2018	N/A	\$ 775,000	\$ -	\$ -	\$ 775,000						\$ 322,989
Construct New Storage Building	G-2-2021	N/A	\$ 370,000	\$ 148,000	\$ 111,000	\$ 111,000		\$ 18,800	\$ 16,454	\$ 11,757	\$ 47,011	\$ 100,000
Parking Structure Shades	G-3-2021	N/A	\$ 100,000	\$ 40,000	\$ 35,000	\$ 25,000					\$ -	\$ 109,104
Sludge Centrifuge VFD Backdrive and Control Repair	S-2-2021	N/A	\$ 109,104	\$ 109,104	\$ -	\$ -					\$ 7,839	\$ 127,161
Convert to Recycled	General	N/A	\$ 135,000	\$ -	\$ 75,000	\$ 60,000					\$ -	\$ 135,000
Well Replacement/Cleaning and Rehab	General	N/A	\$ 135,000	\$ -	\$ -	\$ 135,000					\$ -	\$ 135,000
TVWD Offsite SCADA PLC and Radio Upgrade	G-1-2022	N/A	\$ 257,000	\$ 102,800	\$ 77,100	\$ 77,100		\$ 31,000	\$ 27,000	\$ 19,468	\$ 77,468	\$ 179,532
Potable Reservoir Design - Wildrose Site	W-1-2020	1810	\$ 150,000	\$ -	\$ 150,000	\$ -			\$ 1,025		\$ 1,025	\$ 148,975
Potable Reservoir Construction	W-1-2020	N/A	\$ 3,105,000	\$ -	\$ 3,105,000	\$ -					\$ -	\$ 3,105,000
Automatic Meter Read System	W-1-2021	N/A	\$ 3,050,000	\$ -	\$ 3,050,000	\$ -					\$ -	\$ 3,050,000
Sludge Processing Facility with Odor Control - Design Report	S-1-2021	2208	\$ 80,000	\$ 80,000	\$ -	\$ -					\$ -	\$ 80,000
Sludge Processing Facility with Odor Control	S-1-2021		\$ 3,215,000	\$ 3,215,000	\$ -	\$ -					\$ -	\$ 3,215,000
Property Purchase and Relocation of Emergency Pump	W-2-2021	N/A	\$ 587,000	\$ -	\$ 587,000	\$ -					\$ -	\$ 587,000
Reservoir Management System - Terramor Reservoir	W-3-2021	N/A	\$ 102,000	\$ -	\$ 102,000	\$ -					\$ -	\$ 102,000
Manhole Rehab	S-1- 2022	2008	\$ 105,000	\$ 105,000	\$ -	\$ -		\$ 5,603			\$ 5,603	\$ 99,397
<b>SUBTOTAL</b>			<b>\$ 12,375,104</b>	<b>\$ 3,859,904</b>	<b>\$ 7,292,100</b>	<b>\$ 1,223,100</b>	<b>\$ -</b>	<b>\$ 55,403</b>	<b>\$ 44,479</b>	<b>\$ 43,356</b>	<b>\$ 143,238</b>	<b>\$ 12,231,866</b>
<b>TOTAL</b>			<b>\$ 13,215,787</b>	<b>\$ 4,244,491</b>	<b>\$ 7,613,906</b>	<b>\$ 1,357,390</b>	<b>\$ -</b>	<b>\$ 110,037</b>	<b>\$ 87,395</b>	<b>\$ 58,072</b>	<b>\$ 255,504</b>	<b>\$ 12,960,283</b>

Price review at Engineering Com Mtg  
P.O. issued - scheduling with Alfa Laval  
P.O issued - Parts ordered  
Survey,Environment Review complete - soils thi  
Last vendor review in progress  
Review and approval at Eng Com  
New property / easement consideration  
Pumps station complete - Install started  
Bids due in two weeks

**TEMESCAL VALLEY WATER DISTRICT**  
**Community Facilities District No. 1**  
**Financing Authority**  
**(Sycamore Creek)**  
**8/31/2022**

<u>Special Tax Fund (Acct #105636-009)</u> Account Balance at Wilmington Trust	\$ 7,368.84
<hr/>	
<u>BONDS PR ACCT (Acct # 105636-010)</u> Account Balance at Wilmington Trust	-
<hr/>	
<u>Administrative Expense Fund(Acct #105636-011)</u> Account Balance at Wilmington Trust	9.23
<hr/>	
<u>Surplus Fund (Acct #105636-012)</u> Account Balance at Wilmington Trust	1,183,143.07
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**TEMESCAL VALLEY WATER DISTRICT**  
**Community Facilities District No. 2**  
**Financing Authority**  
**(Montecito Ranch)**  
**8/31/2022**

<u>Special Tax Fund (Acct #105636-014)</u> Account Balance at Wilmington Trust	\$ 365.05
<hr/>	
<u>BONDS PR ACCT (Acct # 105636-015)</u> Account Balance at Wilmington Trust	8.21
<hr/>	
<u>Administrative Expense Fund(Acct #105636-016)</u> Account Balance at Wilmington Trust	5.22
<hr/>	
<u>Surplus Fund (Acct #105636-017)</u> Account Balance at Wilmington Trust	247,563.15
<hr/>	
Prepayment Fund (Acct #105636-026) Account Balance at Wilmington Trust	-
<hr/>	
<b>TOTAL</b>	<b>\$ 247,941.63</b>

**TEMESCAL VALLEY WATER DISTRICT**  
**Community Facilities District No. 3**  
**Financing Authority**  
**(The Retreat)**  
**8/31/2022**

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<u>Special Tax Fund (Acct #105636-019)</u> Account Balance at Wilmington Trust	\$	84,048.97
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<u>BONDS PR ACCT (Acct # 105636-020)</u> Account Balance at Wilmington Trust	\$	-
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<u>Administrative Expense Fund(Acct #105636-021)</u> Account Balance at Wilmington Trust	\$	9.23
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<u>Surplus Fund (Acct #105636-022)</u> Account Balance at Wilmington Trust	\$	628,988.30
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Prepayment Fund (Acct #105636-027) Account Balance at Wilmington Trust		-
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<b>TOTAL</b>	<b>\$</b>	<b>713,046.50</b>
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**TEMESCAL VALLEY WATER DISTRICT  
Community Facilities District  
Financing Authority  
8/31/2022**

Senior Lien Bonds - Revenue Fund (Acct #105636-000)	\$	<b>0.03</b>
- Lien Interest A/C ( Acct #105636-001)		<b>977,900.91</b>
- Lien Principal A/C (Acct #105636-002)		<b>2,090,000.00</b>
- Financing Authority Surplus A/C (Acct #105636-003)		-
- Reserve Fund CFD #1 (Acct #105636-004)		<b>2,268,510.96</b>
- Reserve Fund CFD #2 (Acct #105636-005)		<b>276,428.42</b>
- Reserve Fund CFD #3 (Acct #105636-006)		<b>1,497,483.71</b>
Junior Lien Bonds - Revenue Fund (Acct #105639-000)	\$	<b>0.01</b>
- Lien Interest A/C ( Acct #105639-001)		<b>266,829.90</b>
- Lien Principal A/C (Acct #105639-002)		-
- Financing Authority Surplus A/C (Acct #105639-003)		-
- Reserve Fund CFD #1 (Acct #105639-004)		<b>619,860.84</b>
- Reserve Fund CFD #2 (Acct #105639-005)		<b>100,254.05</b>
- Reserve Fund CFD #3 (Acct #105639-006)		<b>541,571.84</b>
<b>TOTAL</b>		
	<b>\$</b>	<b>8,638,840.67</b>

**TEMESCAL VALLEY WATER DISTRICT**  
**Community Facilities District No. 4 IA1**  
**Financing Authority**  
**(Terramor)**  
**8/31/2022**

<u>Special Tax Fund (Acct #133306-001)</u> Account Balance at Wilmington Trust	\$ 52,707.71
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<u>Interest Acct (Acct #133306-002)</u> Account Balance at Wilmington Trust	459,569.26
<hr/>	
<u>BONDS PR ACCT (Acct #133306-003)</u> Account Balance at Wilmington Trust	475,000.00
<hr/>	
<u>Administrative Expense Fund(Acct #133306-004)</u> Account Balance at Wilmington Trust	46,191.26
<hr/>	
<u>Reserve fund Fund (Acct #133306-005)</u> Account Balance at Wilmington Trust	1,402,807.49
<hr/>	
<u>Surplus Fund (Acct #133306-006)</u> Account Balance at Wilmington Trust	234,981.89
<hr/>	
<u>Redemption fund (Acct #133306-007)</u> Account Balance at Wilmington Trust	-
<hr/>	
<u>Construction fund (Acct #133306-008)</u> Account Balance at Wilmington Trust	0.82
<hr/>	
<u>Cost of Issuance (Acct #133306-009)</u> Account Balance at Wilmington Trust	-
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<b>TOTAL</b>	<b>\$ 2,671,258.43</b>

**TEMESCAL VALLEY WATER DISTRICT**  
**Community Facilities District No. 4 IA2**  
**Financing Authority**  
**(Terramor)**  
**8/31/2022**

Special Tax Fund (Acct #151110-000)  
Account Balance at Wilmington Trust \$ 47,808.01

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Interest Acct (Acct #151110-001)  
Account Balance at Wilmington Trust 375,420.82

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BONDS PRIN ACCT (Acct #151110-002)  
Account Balance at Wilmington Trust -

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Redemption Acct (Acct #151110-003)  
Account Balance at Wilmington Trust -

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Administrative Expense Fund(Acct #151110-004)  
Account Balance at Wilmington Trust -

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Reserve fund Fund (Acct #151110-005)  
Account Balance at Wilmington Trust 1,135,550.53

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Surplus Fund (Acct #151110-006)  
Account Balance at Wilmington Trust -

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Construction fund (Acct #151110-007)  
Account Balance at Wilmington Trust 2,930,873.46

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Cost of Issuance (Acct #151110-008)  
Account Balance at Wilmington Trust -

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**TOTAL \$ 4,489,652.82**



# PMIA/LAIF Performance Report as of 09/12/22



## PMIA Average Monthly Effective Yields<sup>(1)</sup>

August	1.276
July	1.090
June	0.861

## Quarterly Performance Quarter Ended 06/30/22

LAIF Apportionment Rate <sup>(2)</sup> :	0.75
LAIF Earnings Ratio <sup>(2)</sup> :	0.00002057622201151
LAIF Fair Value Factor <sup>(1)</sup> :	0.987125414
PMIA Daily <sup>(1)</sup> :	0.99%
PMIA Quarter to Date <sup>(1)</sup> :	0.69%
PMIA Average Life <sup>(1)</sup> :	311

## Pooled Money Investment Account Monthly Portfolio Composition <sup>(1)</sup> 08/31/22 \$229.3 billion

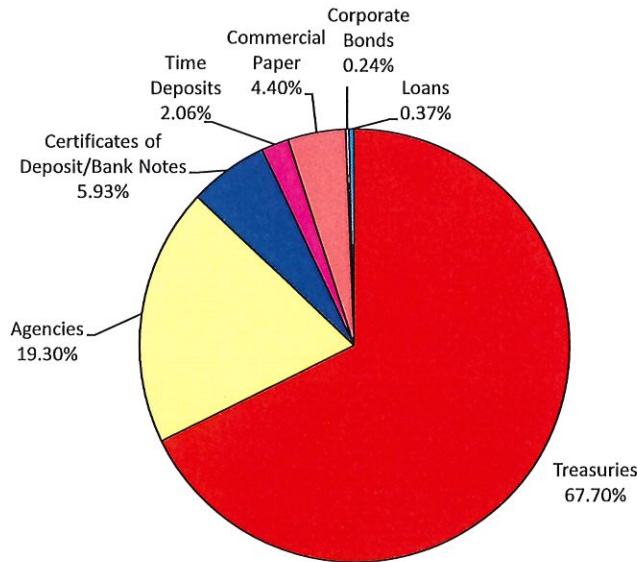


Chart does not include \$4,017,000.00 in mortgages, which equates to 0.002%. Percentages may not total 100% due to rounding.

Daily rates are now available here. [View PMIA Daily Rates](#)

Notes: The apportionment rate includes interest earned on the CalPERS Supplemental Pension Payment pursuant to Government Code 20825 (c)(1) and interest earned on the Wildfire Fund loan pursuant to Public Utility Code 3288 (a).

Source:

<sup>(1)</sup> State of California, Office of the Treasurer

<sup>(2)</sup> State of California, Office of the Controller

# MEMORANDUM

DATE: September 27, 2022

TO: Board of Directors  
Temescal Valley Water District

FROM: General Manager

SUBJECT: **5- Year Business plan for the District's Rates and Fees**

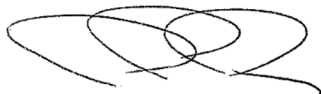
## **BACKGROUND**

Today we have the final Board presentation of the IB Consultants 5-year Financial Plan for Potable Water, Non-potable Water, Sewer Services and Rate Study. This included multiple Staff meetings, a Finance Committee presentation on August 21, 2021 and a complete presentation of the Financial Plan, and Rate recommendations at our November 23, 2021 Board Meeting. The Board recommendations and our FY 22/23 final Budget was incorporated into the Financial Plan. Staff and IB Consultants then incorporated the approved FY 22/23 multi-year Capital projects into the final draft.

Please see below the schedule for implementation of the recommended rates.

- Final IB Consultants Plan: September 27, 2022
- Final 218 Notice to Printer: October 24, 2022
- Last day to Post office: November 18, 2022
- 45 day review period: November 21, 2022 to January 5, 2023
- Public Hearing: January 23, 2023
- New Rates Effective on February 1, 2023

Respectfully submitted,



Jeff Pape  
General Manager

# Temescal Valley Water District

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*Financial Plan and Rate Review*

**Board Meeting: September 27, 2022**





# Cost-of-Service Study Goals

## Main Objectives



Develop long-term financial plan that funds capital plan and satisfies reserve policies



Perform comprehensive cost-of-service analysis to allocate a proportionate share of cost to each customer that complies with Proposition 218 requirements



Develop equitable rate alternatives that are viable and fair



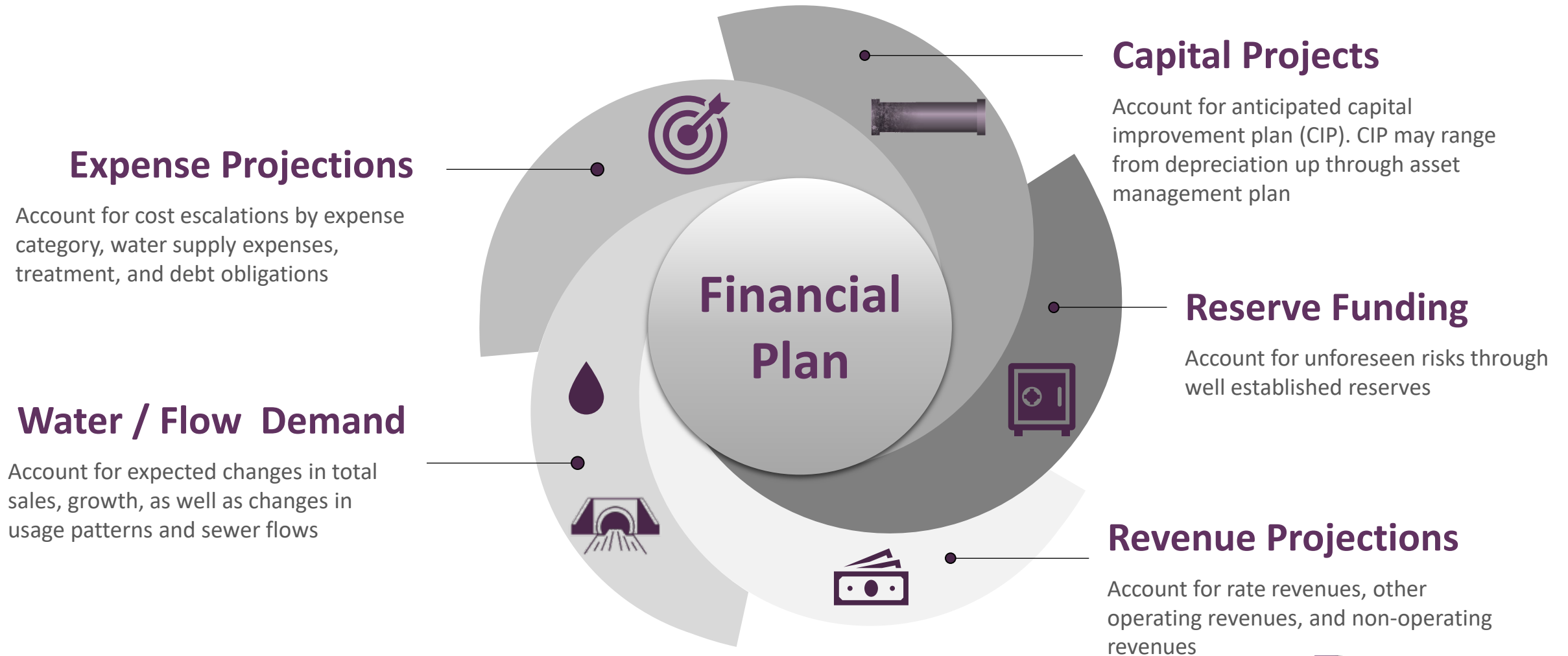
Guide and support District through rate adoption and implementation



Prepare comprehensive administrative record

# Financial Plan Summary

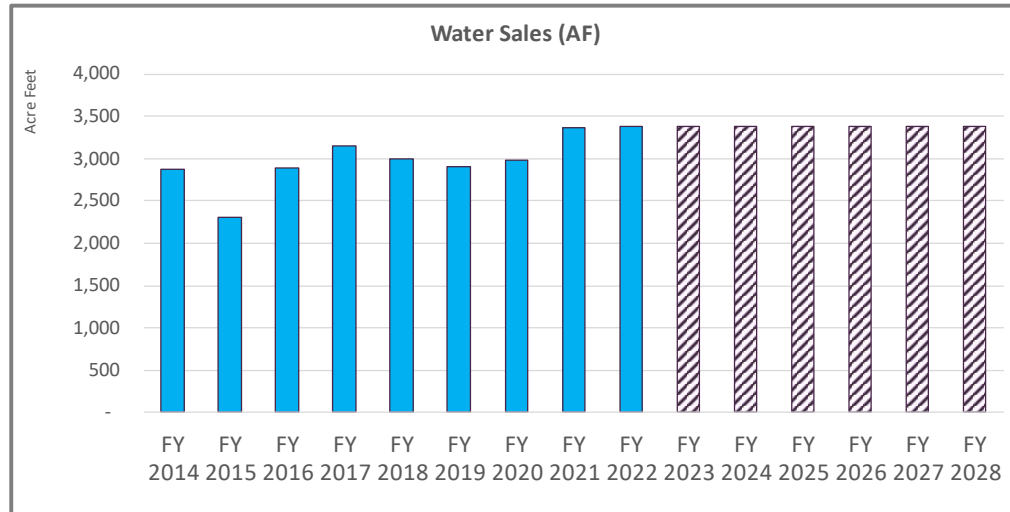
## Factors Impacting the Financial Plan



# Key Assumptions

## Financial Planning

Key Assumptions	Source:	FY 2024	FY 2025	FY 2026	FY 2027
<b>Expenditure Escalation</b>					
Benefits		5.0%	5.0%	5.0%	5.0%
Capital Construction	<i>ENR 20-City</i>	7.0%	7.0%	3.3%	3.3%
Energy Costs		10.0%	10.0%	10.0%	10.0%
General Costs	<i>CPI - LA (BLS)</i>	7.0%	7.0%	3.8%	3.8%
Non-Inflated		0.0%	0.0%	0.0%	0.0%
Retirement - CalPers		5.0%	5.0%	5.0%	5.0%
Salaries		5.0%	5.0%	5.0%	5.0%



- FY 2022 Water sales = 3,382 AF
  - Future projected water sales remain constant
- Wastewater
  - Also includes a new FTE in FY 2024

# Water Enterprise



# District's Financial Metrics and Reserves

## Financial Planning

### Financial Metrics

- Generate positive annual operating net income
- Sufficiently fund capital needs
- Meet reserve targets

### Reserve Targets

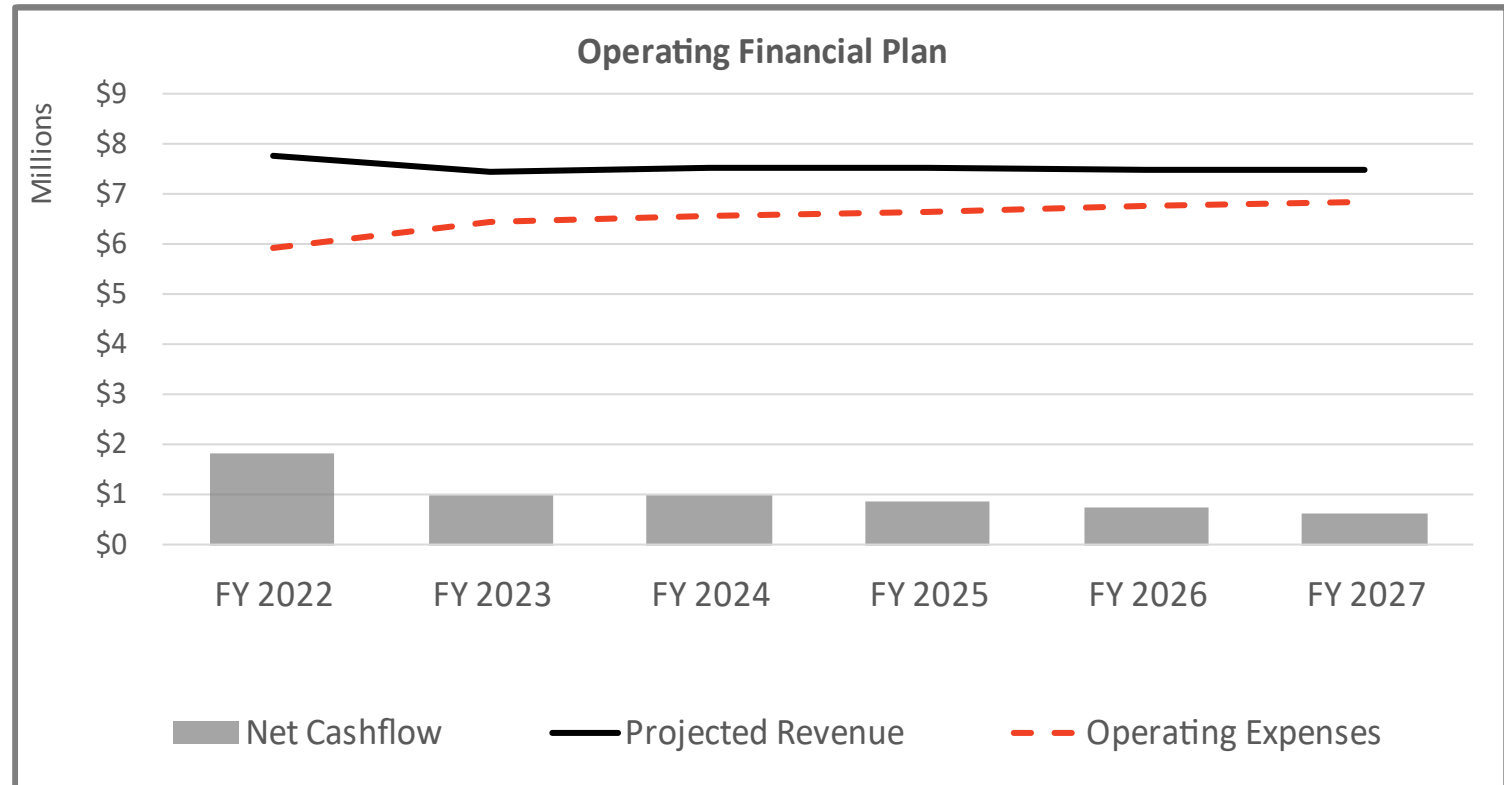
Reserves	Minimum	Ideal Target
Operating	120 days of O&M	180 days of O&M
Capital	Annual CIP based on 5-year average	2 years of CIP based on 5-year average
Rate Stabilization	5% of rate revenues	10% of rate revenues
Disaster	2% of Asset Values	3% of Asset Values
Land Acquisition	\$1M	\$3M

# District's Water Fund Financial Position

## Current Rates

### Financial Plan Metrics

- Generate positive annual operating net income
- Sufficiently fund capital needs
- Meet reserve targets



- Major projects in FY 2023 – FY 2024 include Reservoir construction and AMR

# District's Water Fund Review

## Current Rates

### Results from Review

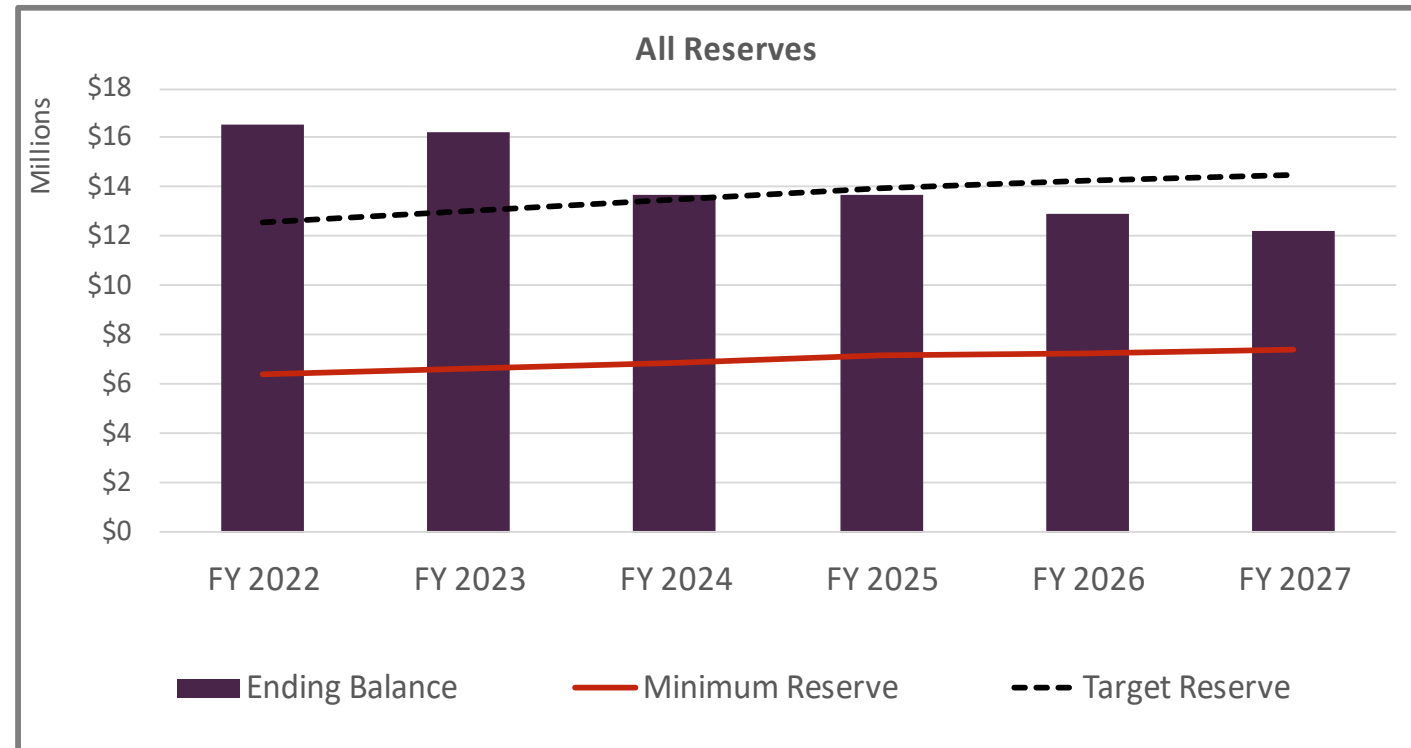
- Currently, water enterprise reflects a strong financial position
- Continue replacement program while funding reserves
- Maintain healthy position moving forward with modest adjustments

# Proposed Water Fund Financial Plan

## 5-Year Planning Period

### Proposed Water Financial Plan

- No rate adjustment occurred in FY 2022
- Adjustments in FY 2023 – FY 2027
  - 3% each January
    - ❖ 1<sup>st</sup> adjustment in February 2023
    - ❖ Subsequent years – January 1st
- Sufficiently fund capital needs and maintain healthy reserves





# Water Cost-of-Service



# Rate Design

## Adjustments and Updates

- Maintain current rate structure
  - 3-tiered rate structure for Residential with adjustment to Tier 2 allotment
    - Tier 1 remains at 7 ccf for indoor
    - Usage through Tier 2 should capture average summer usage (Peak Period)
    - FY 2022 usage reflected an annual average of 17 ccf and a summer average of 23 ccf
    - Tier 2 allotment = 23 ccf
    - Tier 3 captures any usage above Tier 2
  - Uniform rates for Non-Residential and Irrigation
  - Pumping charges based on Zones
  - Continue using Pass-Through provision to capture any increase in rates from Western MWD
- Cost-of-Service recalibration
  - Incorporates recent usage trends
  - Updates cost allocations to ensure that rates reflect the cost of delivering water
  - Tiered costs updated to reflect proportionate share based on demand
- Fixed vs. Variable Revenue Recovery
  - Maintain current revenue recovery split (30% fixed / 70% Variable)

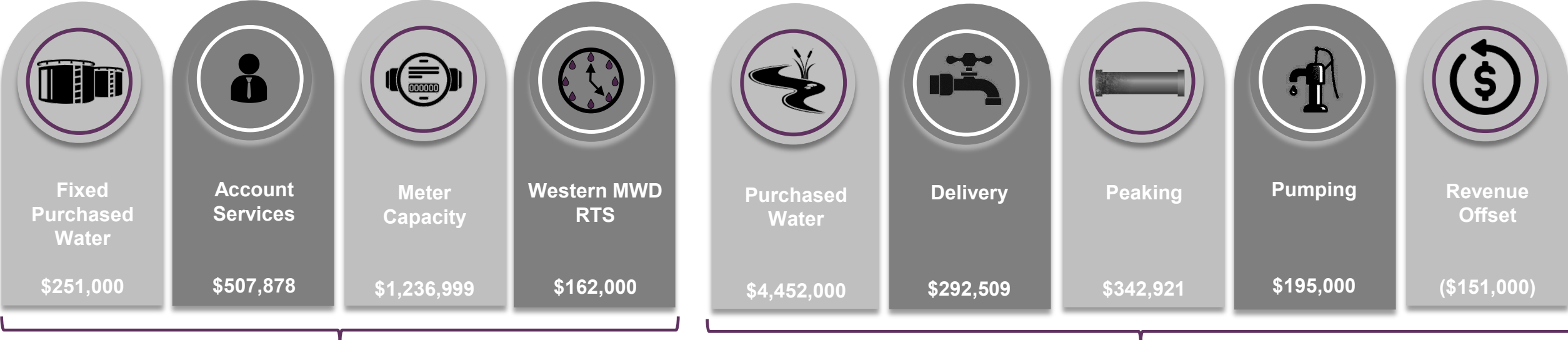
# FY 2023 Revenue Requirements

## Water

Revenue Requirements	Total
<b>Purchased Water</b>	
WMWD Readiness-to-Serve	\$162,000
MWD Capacity	\$70,000
Mills Gravity Line Major Maintenance Reserve Charge	\$181,000
Variable Purchased Water Costs	\$4,452,000
<b>Total Purchased Water</b>	<b>\$4,865,000</b>
<b>Operations and Maintenance</b>	
Operating Expenses	\$373,250
Administrative Expenses	\$594,475
Energy Expense	\$195,000
Meter Reads	\$78,000
System/Maintenance	\$348,940
<b>Total Operations and Maintenance</b>	<b>\$1,589,665</b>
<b>Revenue Offsets</b>	
Misc. Utility Charges	(\$40,000)
Service Meter Income	(\$60,000)
Cellular Site Lease	(\$76,000)
Standby Charges	(\$75,000)
Inspection Charges	(\$30,000)
Interest Income	(\$20,000)
Property Tax Income	(\$57,500)
<b>Total Revenue Offsets</b>	<b>(\$358,500)</b>
<b>Adjustments</b>	
Reserve Funding	\$1,071,343
Adjustments for Mid-Year Increase	\$121,800
<b>Total Adjustments</b>	<b>\$1,193,143</b>
<b>Revenue Required from Rates</b>	<b>\$7,289,308</b>

# Water Cost of Service

## Cost Components for Rate Development



**Fixed Components**  
30% of Revenue

**Variable Components**  
70% of Revenue

**Similar to Current Structure**

# Fixed Charges – FY 2023 (February 1<sup>st</sup>)

## Fixed Charges (\$/Month)

Meter Size	# of Meters	Account Services	Capacity Ratios	Fixed Purchased Water	Meter Capacity	Proposed Fixed Charge	Current Charge	Change (\$)
Residential	6,153	\$6.70	1.00	\$2.93	\$14.43	<b>\$24.06</b>	\$23.50	\$0.56
5/8"	48	\$6.70	1.00	\$2.93	\$14.43	<b>\$24.06</b>	\$23.50	\$0.56
3/4"	-	\$6.70	1.50	\$4.40	\$21.65	<b>\$32.74</b>	\$31.60	\$1.14
1"	17	\$6.70	2.50	\$7.33	\$36.08	<b>\$50.10</b>	\$47.76	\$2.34
1 1/2"	9	\$6.70	5.00	\$14.65	\$72.15	<b>\$93.50</b>	\$88.18	\$5.32
2"	89	\$6.70	8.00	\$23.44	\$115.44	<b>\$145.58</b>	\$136.69	\$8.89
3"	3	\$6.70	17.50	\$51.28	\$252.53	<b>\$310.50</b>	\$290.32	\$20.18
4"	3	\$6.70	31.50	\$92.30	\$454.55	<b>\$553.54</b>	\$516.71	\$36.83

# WMWD Ready to Serve – FY 2023 (February 1<sup>st</sup>)

## Fixed Charges (\$/Month)

Meter Size	# of Meters	WMWD RTS Fixed Charge	Current Charge	Change (\$)
Residential	6,153	\$2.14	\$1.73	\$0.41
5/8"	48	\$2.14	\$1.73	\$0.41
3/4"	-	\$2.14	\$1.73	\$0.41
1"	17	\$2.14	\$1.73	\$0.41
1 1/2"	9	\$2.14	\$1.73	\$0.41
2"	89	\$2.14	\$1.73	\$0.41
3"	3	\$2.14	\$1.73	\$0.41
4"	3	\$2.14	\$1.73	\$0.41

# Variable Charges (Fee)

## Variable Rate (\$/ccf)

- Used non-operating revenues for offsets.
- Revenues –Cell Sites and Standby Charges

Tiers	Tier Allotment	Water Supply	Delivery	Peaking	Revenue Offset	Proposed Variable Rates	Current Rate	Change (\$)
<b>Residential</b>								
Tier 1	0-7 ccf	\$3.03	\$0.20	\$0.12	(\$0.30)	<b>\$3.05</b>	\$2.97	\$0.08
Tier 2	7-23 ccf	\$3.03	\$0.20	\$0.23	-	<b>\$3.46</b>	\$3.31	\$0.15
Tier 3	> 23 ccf	\$3.03	\$0.20	\$0.56	-	<b>\$3.79</b>	\$3.61	\$0.18
							<b>Maintaining affordability</b>	
<b>Non-Residential</b>	Uniform	\$3.03	\$0.20	\$0.18	(\$0.11)	<b>\$3.30</b>	\$3.21	\$0.09
<b>Irrigation</b>	Uniform	\$3.03	\$0.20	\$0.26	-	<b>\$3.49</b>	\$3.36	\$0.13

# Pumping Charges (February 1<sup>st</sup>)

## Variable Rate (\$/ccf)

Pumping Zone	Description	Proposed Pumping Rates	Current Rate	Change (\$)
Zone A	Base Elevation	N/A	N/A	-
Zone B	Mid Trilogy	<b>\$0.21</b>	\$0.21	-
Zone C	Sycamore / Terramor	<b>\$0.23</b>	\$0.22	\$0.01
Zone D	Upper Trilogy	<b>\$0.27</b>	\$0.29	(\$0.02)
Zone E	Upper Retreat	<b>\$0.32</b>	\$0.34	(\$0.02)



# Proposed Fixed Charges (\$/Month)

## FY 2023 – FY 2027

### Fixed Charges

Meter Size	FY 2023 (Feb 1 <sup>st</sup> )	FY 2024 (Jan 1 <sup>st</sup> )	FY 2025 (Jan 1 <sup>st</sup> )	FY 2026 (Jan 1 <sup>st</sup> )	FY 2027 (Jan 1 <sup>st</sup> )
Residential	\$24.06	\$24.79	\$25.54	\$26.31	\$27.10
5/8"	\$24.06	\$24.79	\$25.54	\$26.31	\$27.10
3/4"	\$32.74	\$33.73	\$34.75	\$35.80	\$36.88
1"	\$50.10	\$51.61	\$53.16	\$54.76	\$56.41
1 1/2"	\$93.50	\$96.31	\$99.20	\$102.18	\$105.25
2"	\$145.58	\$149.95	\$154.45	\$159.09	\$163.87
3"	\$310.50	\$319.82	\$329.42	\$339.31	\$349.49
4"	\$553.54	\$570.15	\$587.26	\$604.88	\$623.03

### WMWD RTS

Meter Size	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
All Meters	\$2.14	TBD	TBD	TBD	TBD

# Proposed Variable Rates (\$/ccf)

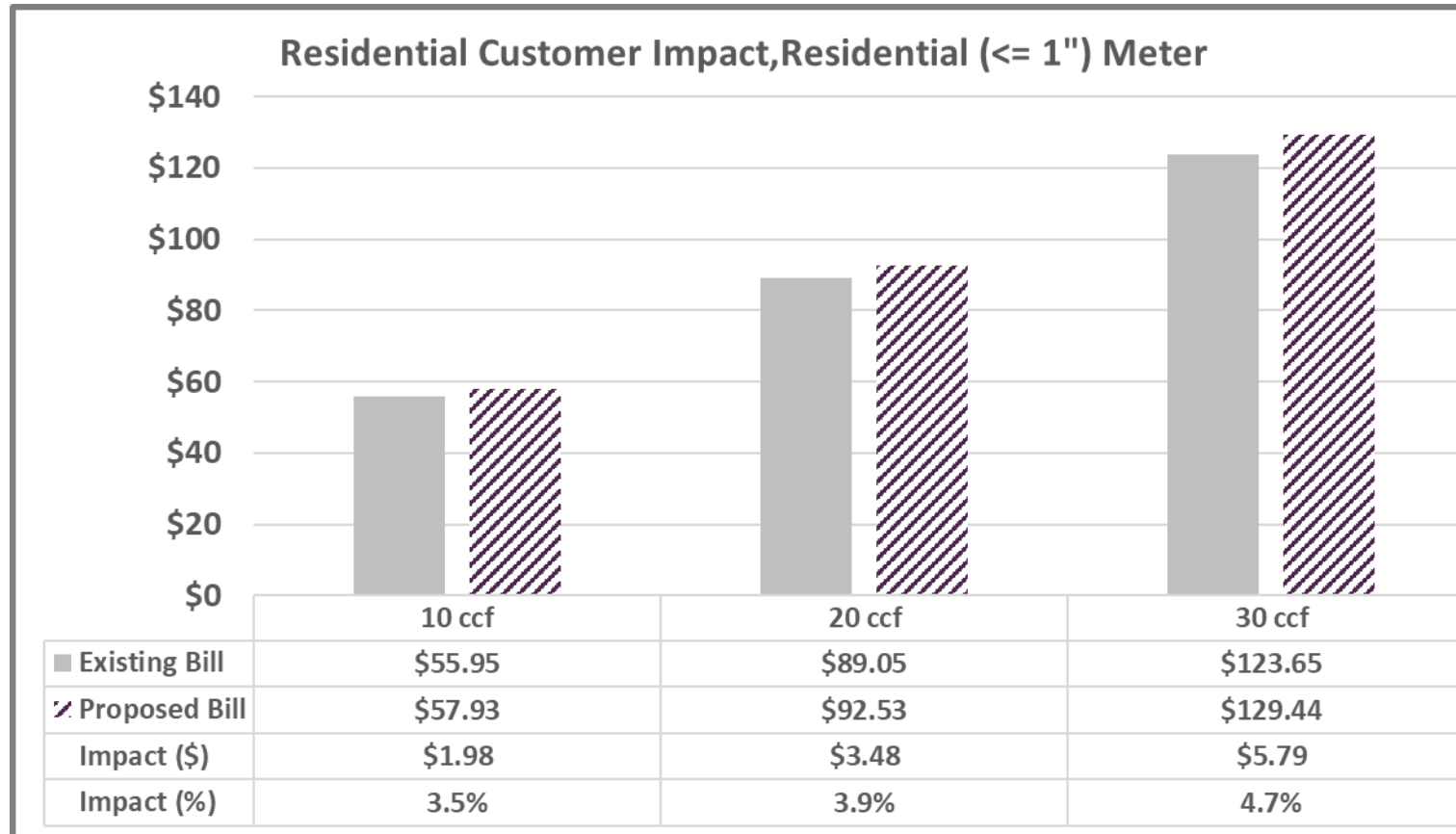
## FY 2023 – FY 2027

Customer Class	FY 2023 (Feb 1 <sup>st</sup> )	FY 2024 (Jan 1 <sup>st</sup> )	FY 2025 (Jan 1 <sup>st</sup> )	FY 2026 (Jan 1 <sup>st</sup> )	FY 2027 (Jan 1 <sup>st</sup> )
<b>Residential</b>					
Tier 1	\$3.05	\$3.14	\$3.24	\$3.33	\$3.43
Tier 2	\$3.46	\$3.56	\$3.67	\$3.78	\$3.89
Tier 3	\$3.79	\$3.90	\$4.02	\$4.14	\$4.27
<b>Non-Residential</b>	\$3.30	\$3.40	\$3.50	\$3.61	\$3.71
<b>Irrigation</b>	\$3.49	\$3.59	\$3.70	\$3.81	\$3.93

Pumping Zones	FY 2023 (Feb 1 <sup>st</sup> )	FY 2024 (Jan 1 <sup>st</sup> )	FY 2025 (Jan 1 <sup>st</sup> )	FY 2026 (Jan 1 <sup>st</sup> )	FY 2027 (Jan 1 <sup>st</sup> )
Zone A	-	-	-	-	-
Zone B	\$0.21	\$0.22	\$0.22	\$0.23	\$0.24
Zone C	\$0.23	\$0.24	\$0.24	\$0.25	\$0.26
Zone D	\$0.27	\$0.28	\$0.29	\$0.30	\$0.30
Zone E	\$0.32	\$0.33	\$0.34	\$0.35	\$0.36

# Water Customer Impacts

**FY 2023**



# Wastewater Enterprise

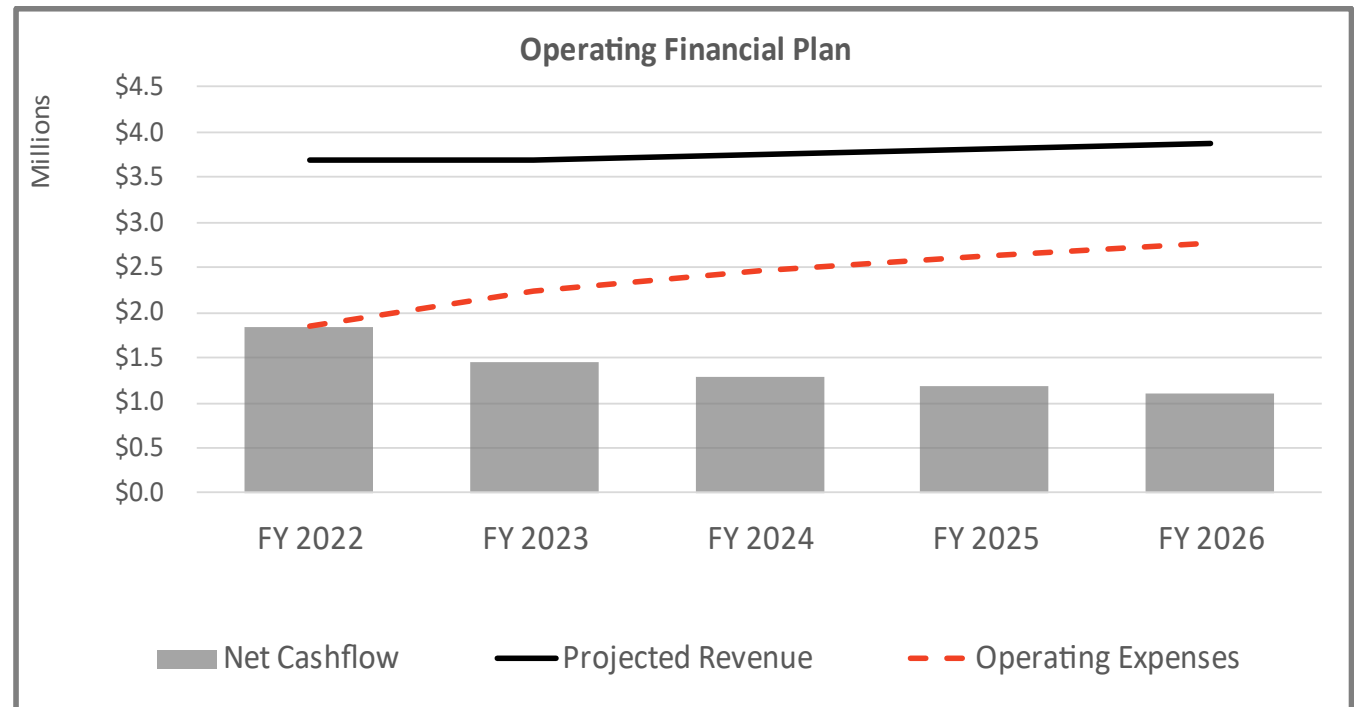


# District's Wastewater Fund Financial Position

## Wastewater Enterprise

### Financial Plan Metrics

- Generate positive annual operating net income
- Sufficiently fund capital needs
- Meet reserve targets



Sludge Processing Facility  
Capacity Buyback

# District's Wastewater Fund Review

## Current Rates

### Results from Review

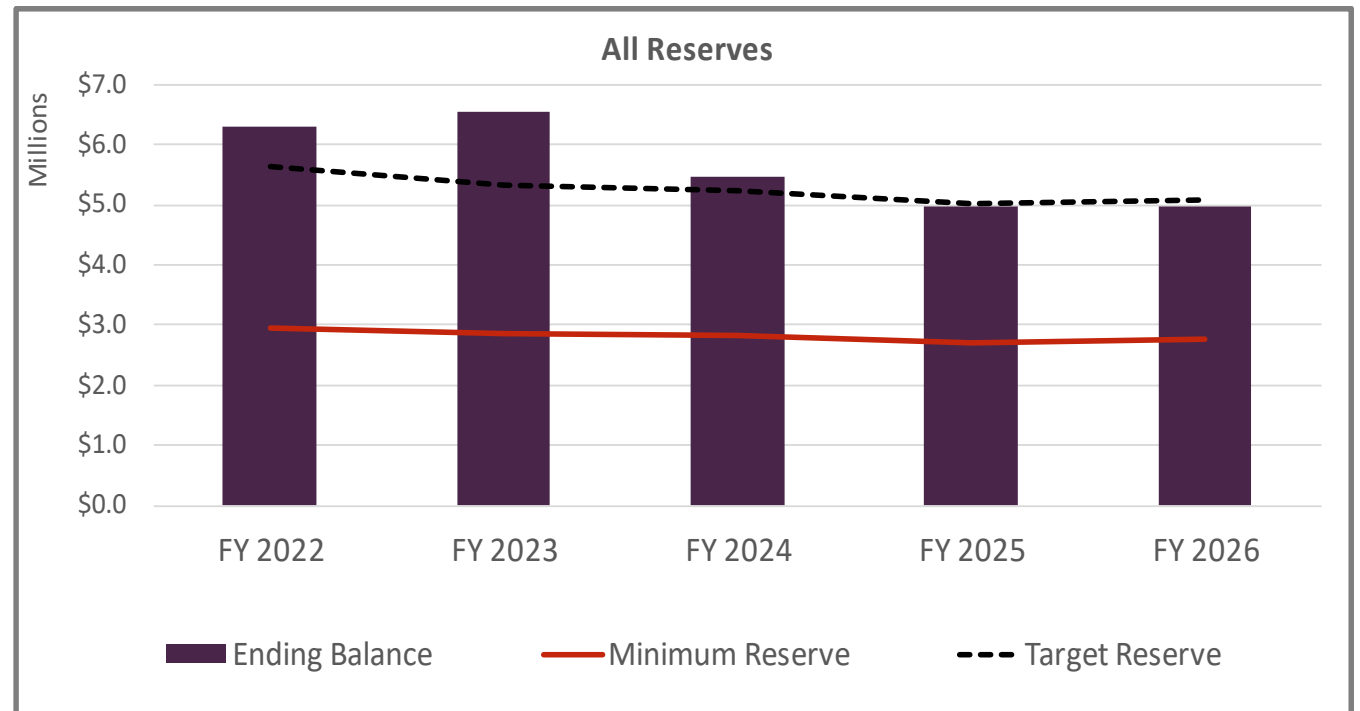
- Rate revenues generate positive net income each year
- Capital spending draws down reserve balance as expected, but reserves continue to be drawn down in outer years
- Adjust rates to adequately fund capital while maintaining a healthy reserves over the 5-year planning period

# Proposed Wastewater Fund Financial Plan

## 5-Year Planning Period

### Proposed Financial Plan

- No rate adjustment occurred in FY 2022
- Fund capital while maintain healthy reserves
  - 3% adjustments each Fiscal Year
    - ❖ 1<sup>st</sup> adjustment in February 2023
    - ❖ Subsequent years – January 1<sup>st</sup>



# Wastewater Cost-of-Service





# Rate Design

## Adjustments and Updates

### ➤ Residential

- Maintain flat monthly rates
- Recalibrate proposed monthly charge based on current flow trends

### ➤ Non-Residential

- Current charge is on an EDU basis
- Adjust to a monthly fixed charge + flow rate (\$/ccf)
- Flow rate easier to administer (staff) and understand (customers)

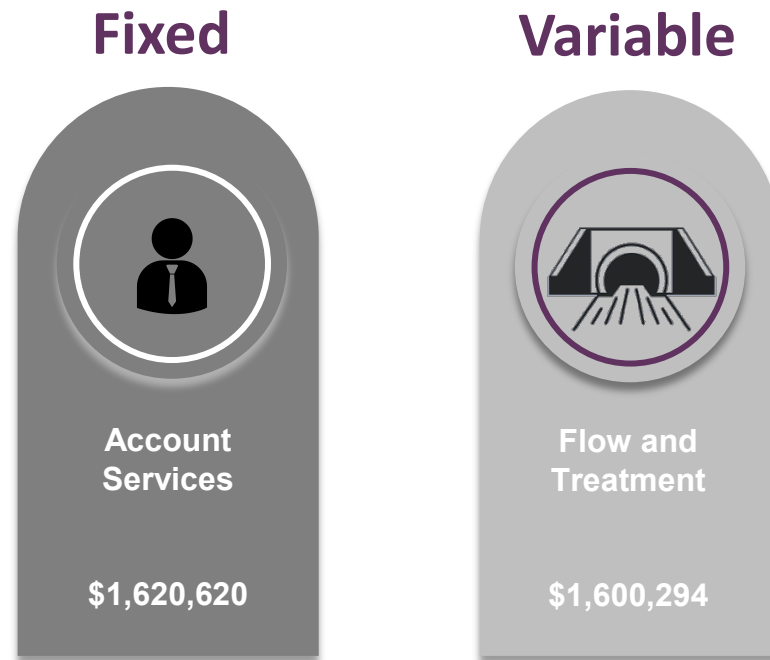
# FY 2023 Revenue Requirements

## Wastewater

Revenue Requirements	Total
<b>Operating &amp; Maintenance</b>	
Operating Expenses	\$937,920
Administrative Expenses	\$682,700
Energy Expense	\$352,000
Treatment	\$275,000
<b>Total District O&amp;M</b>	<b>\$2,247,620</b>
<b>Revenue Offsets</b>	
Monthly Service Charge-Id #1	(\$145,000)
Monthly Service Charge-Id #2	(\$164,000)
Misc Utility Charges/ Revenue	(\$50,000)
Standby Charges	(\$75,000)
CFD Reimbursements	(\$30,000)
Inspection Charges	(\$30,000)
Interest Income	(\$15,000)
Property Tax Income	(\$57,500)
<b>Total Revenue Offsets</b>	<b>(\$566,500)</b>
<b>Adjustments</b>	
Capital / Reserve Funding	\$1,485,194
Adjustment for Mid-Year Increase	\$54,600
<b>Total Adjustments</b>	<b>\$1,539,794</b>
<b>Revenue Required from Rates</b>	<b>\$3,220,914</b>

# Wastewater Cost of Service

## Cost Components for Rate Development



# Wastewater Fixed Charges

## Proposed Fixed Charges (\$/Month)

Fixed Charge Component - Unit Rate	
Revenue Requirement	\$1,620,620
Number of Annual EDUs	76,655
<b>Monthly Charge</b>	<b>\$21.15</b>

# Wastewater Flow Charges

## Proposed Flow Charges

Customer Class	Projected Flow	% Allocation	Revenue Requirement
Residential	488,639	95.35%	\$1,525,961
Non-Residential	23,803	4.65%	\$74,334
<b>Total</b>	<b>512,442</b>	<b>100%</b>	<b>\$1,600,294</b>

Customer Class	Annual EDUs [A]	Water Usage (ccf) [B]	Variable Revenue Requirement [C]	Proposed Variable Monthly Charge [D] = C ÷ A	Variable Flow Charge (\$/ccf) [E] = C ÷ B
Residential	74,750		\$1,525,961	\$20.42	
Non-Residential		26,334	\$74,334		\$2.83

# Proposed Wastewater Fixed Charges and Flow Rates

## FY 2023 – FY 2027

Residential	Fixed	Variable	FY 2023 Monthly Charge
Residential	\$21.15	\$20.42	\$41.57

Customer Class	FY 2023 (Feb 1 <sup>st</sup> )	FY 2024 (Jan 1 <sup>st</sup> )	FY 2025 (Jan 1 <sup>st</sup> )	FY 2026 (Jan 1 <sup>st</sup> )	FY 2027 (Jan 1 <sup>st</sup> )	Current Rate
<b>Fixed Charge</b>						
Residential	\$41.57	\$42.82	\$44.11	\$45.44	\$46.81	\$39.72
Non-Residential	\$21.15	\$21.79	\$22.45	\$23.13	\$23.83	\$39.72
<b>Variable Rate (\$/ccf)</b>						
Non-Residential	\$2.83	\$2.92	\$3.01	\$3.11	\$3.21	N/A

# Recycled Water Enterprise



# Rate Design

## Adjustments and Updates

- Maintain current rate structure
  - Meter Charges and Pumping Charges equivalent to potable water
  - Uniform variable rate covers remainder of revenue requirements
- Revenue Adjustments
  - No adjustments needed
  - Still required to include rates within Proposition 218 Notice



# FY 2023 Revenue Requirements

## Recycled Water

Revenue Requirements	Total
<b>Operations and Maintenance</b>	
Operating Expenses	\$358,900
Administrative Expenses	\$408,250
Energy Expense	\$280,000
<b>Total Operations and Maintenance</b>	<b>\$1,061,950</b>
<b>Revenue Offsets</b>	
Misc Income	(\$11,500)
Inspection Revenue	(\$18,000)
Interest Income	(\$12,000)
<b>Total Revenue Offsets</b>	<b>(\$41,500)</b>
<b>Adjustments</b>	
Reserve Funding	\$1,319,463
<b>Total Adjustments</b>	<b>\$1,319,463</b>
<b>Revenue Required from Rates</b>	<b>\$2,339,913</b>

# Recycled Water Proposed Fixed and Pumping Revenue Equivalent to Potable Customers

Meter Service Charge	# of Meters	FY 2023 Proposed Meter Service Charge	FY 2024 Proposed Meter Service Charge	FY 2025 Proposed Meter Service Charge	FY 2026 Proposed Meter Service Charge	FY 2027 Proposed Meter Service Charge
Meter Size						
5/8"	8	\$24.06	\$24.79	\$25.54	\$26.31	\$27.10
3/4"	0	\$32.74	\$33.73	\$34.75	\$35.80	\$36.88
1"	13	\$50.10	\$51.61	\$53.16	\$54.76	\$56.41
1 1/2"	9	\$93.50	\$96.31	\$99.20	\$102.18	\$105.25
2"	103	\$145.58	\$149.95	\$154.45	\$159.09	\$163.87
3"	2	\$310.50	\$319.82	\$329.42	\$339.31	\$349.49
4"	4	\$553.54	\$570.15	\$587.26	\$604.88	\$623.03
6"	3	\$1,135.10	\$1,169.16	\$1,204.24	\$1,240.37	\$1,277.59
8"	2	\$2,437.10	\$2,510.22	\$2,585.53	\$2,663.10	\$2,743.00
<b>Projected Revenue</b>		<b>\$321,300</b>	<b>\$338,542</b>	<b>\$348,704</b>	<b>\$359,171</b>	<b>\$369,957</b>

Pumping Rates	Projected Usage	Pumping Rates	Pumping Rates	Pumping Rates	Pumping Rates	Pumping Rates
Zone A	470,871	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Zone B	299,504	\$0.21	\$0.22	\$0.22	\$0.23	\$0.24
<b>Projected Revenue</b>		<b>\$62,896</b>	<b>\$63,839</b>	<b>\$65,754</b>	<b>\$67,727</b>	<b>\$69,759</b>

# Recycled Water Proposed Variable Rates

## Remaining Revenue Requirements

Variable Rate Analysis	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Recycled Revenue Requirement	\$2,339,913	\$2,339,913	\$2,339,913	\$2,339,913	\$2,339,913
Less: Projected Revenue from Fixed	(\$333,536)	(\$343,549)	(\$353,859)	(\$364,484)	(\$375,430)
Less: Projected Revenue from Pumping	(\$62,896)	(\$64,783)	(\$66,726)	(\$68,728)	(\$70,790)
<b>Variable Revenue Requirement</b>	<b>\$1,943,481</b>	<b>\$1,931,581</b>	<b>\$1,919,328</b>	<b>\$1,906,700</b>	<b>\$1,893,693</b>
÷ Projected Usage (ccf)	770,375	770,375	770,375	770,375	770,375
<b>Proposed Variable Unit Rate</b>	<b>\$2.53</b>	<b>\$2.51</b>	<b>\$2.50</b>	<b>\$2.48</b>	<b>\$2.46</b>

# Proposed Recycled Water Fixed Charges (\$/Month)

## FY 2023 – FY 2027

### Fixed Charges

Meter Size	FY 2023 (Feb 1 <sup>st</sup> )	FY 2024 (Jan 1 <sup>st</sup> )	FY 2025 (Jan 1 <sup>st</sup> )	FY 2026 (Jan 1 <sup>st</sup> )	FY 2027 (Jan 1 <sup>st</sup> )
5/8"	\$24.06	\$24.79	\$25.54	\$26.31	\$27.10
3/4"	\$32.74	\$33.73	\$34.75	\$35.80	\$36.88
1"	\$50.10	\$51.61	\$53.16	\$54.76	\$56.41
1 1/2"	\$93.50	\$96.31	\$99.20	\$102.18	\$105.25
2"	\$145.58	\$149.95	\$154.45	\$159.09	\$163.87
3"	\$310.50	\$319.82	\$329.42	\$339.31	\$349.49
4"	\$553.54	\$570.15	\$587.26	\$604.88	\$623.03
6"	\$1,135.10	\$1,169.16	\$1,204.24	\$1,240.37	\$1,277.59
8"	\$2,437.10	\$2,510.22	\$2,585.53	\$2,663.10	\$2,743.00

# Proposed Recycled Water Variable Rates (\$/ccf)

**FY 2023 – FY 2027**

<b>Variable Rate</b>	<b>FY 2023</b> <i>(Feb 1<sup>st</sup>)</i>	<b>FY 2024</b> <i>(Jan 1<sup>st</sup>)</i>	<b>FY 2025</b> <i>(Jan 1<sup>st</sup>)</i>	<b>FY 2026</b> <i>(Jan 1<sup>st</sup>)</i>	<b>FY 2027</b> <i>(Jan 1<sup>st</sup>)</i>
Recycled	\$2.53	\$2.51	\$2.50	\$2.48	\$2.46

<b>Pumping Zones</b>	<b>FY 2023</b> <i>(Feb 1<sup>st</sup>)</i>	<b>FY 2024</b> <i>(Jan 1<sup>st</sup>)</i>	<b>FY 2025</b> <i>(Jan 1<sup>st</sup>)</i>	<b>FY 2026</b> <i>(Jan 1<sup>st</sup>)</i>	<b>FY 2027</b> <i>(Jan 1<sup>st</sup>)</i>
Zone A	-	-	-	-	-
Zone B	\$0.21	\$0.22	\$0.22	\$0.23	\$0.24
Zone C	\$0.23	\$0.24	\$0.24	\$0.25	\$0.26
Zone D	\$0.27	\$0.28	\$0.29	\$0.30	\$0.30
Zone E	\$0.32	\$0.33	\$0.34	\$0.35	\$0.36

**Habib Isaac**

IB Consulting

Principal | Managing Partner

Phone: 951-595-9354 | Email: [hisaac@IBConsultingInc.com](mailto:hisaac@IBConsultingInc.com)

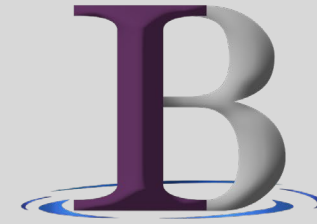
**Andrea Boehling**

IB Consulting

Principal | Managing Partner

Phone: 615-870-9371 | Email: [aboehling@IBConsultingInc.com](mailto:aboehling@IBConsultingInc.com)

**Thank You**

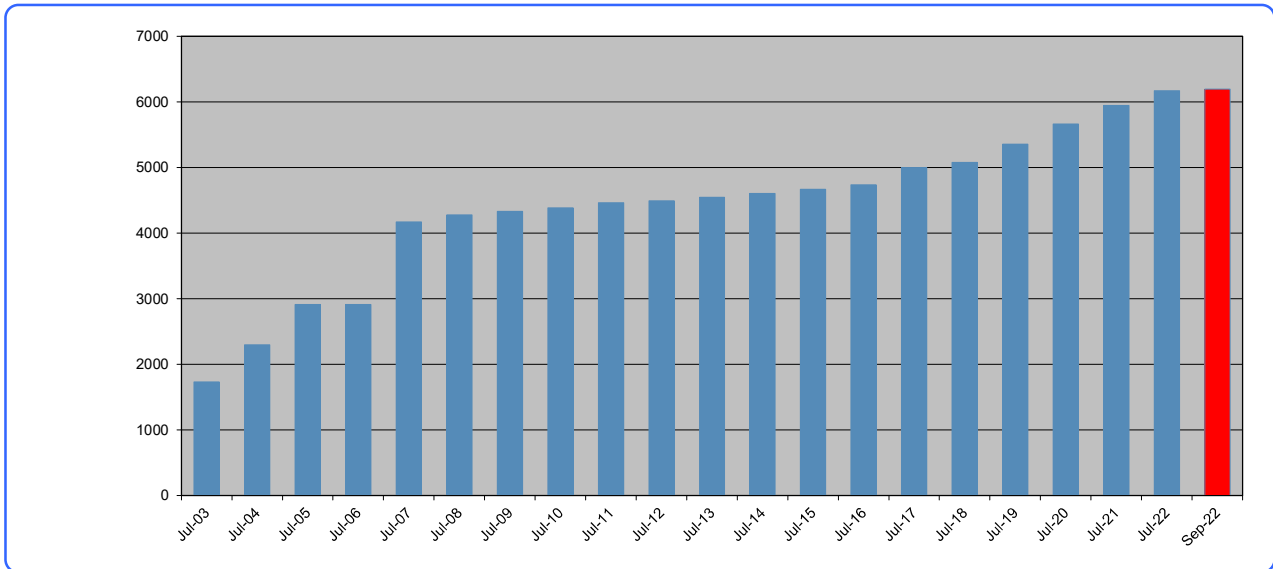


C O N S U L T I N G

**TEMESCAL VALLEY WATER DISTRICT  
CUSTOMER COUNT PER YEAR(RESIDENTIAL)**

(Excludes SID#1 and SID#2 sewer customers)

DATE	Jul-03	Jul-04	Jul-05	Jul-06	Jul-07	Jul-08	Jul-09	Jul-10	Jul-11	Jul-12	Jul-13	Jul-14	Jul-15	Jul-16	Jul-17	Jul-18	Jul-19	Jul-20	Jul-21	Jul-22	Sep-22
CUSTOMERS	1729	2295	2910	2910	4173	4279	4332	4386	4463	4492	4547	4605	4670	4736	5000	5076	5358	5662	5948	6173	6195



RESIDENTIAL	Total Homes	Completed Homes	
Wildrose Ranch	1043	1043	100%
Trilogy at Glen Ivy	1317	1317	100%
Painted Hills	204	204	100%
Canyon Oaks	26	26	100%
Montecito Ranch	306	306	100%
Sycamore Creek	1735	1735	100%
The Retreat	525	525	100%
Terramor	1487	989	67% 15 MODELS
Harmony Grove	50	50	100%
Sycamore Highlands	79	0	0%
Temescal Office Part	80	0	0%
	<b>6852</b>	<b>6195</b>	<b>90%</b>

**TOTAL CUSTOMER COUNT REPORT**  
**August 31, 2022**

	Water & Sewer	Water Only	Sewer Only	Count
New homes added 18 Accts closed/transf 34 Empty Homes 0			Butterfield (305) Calif. Meadows (345)	
Residential	6161	2	650	6813
Commercial	96	0	2	98
Commercial-fireheld inactive	41			41
Public Govt	4	1	0	5
Irrigation-Industrial	0	68	0	68
Non-Potable Water other	0	152	0	152
Construction-Bulk Sales	0	13	0	13
<b>Total Active Customers</b>	<b>6261</b>	<b>236</b>	<b>652</b>	<b>7190</b>

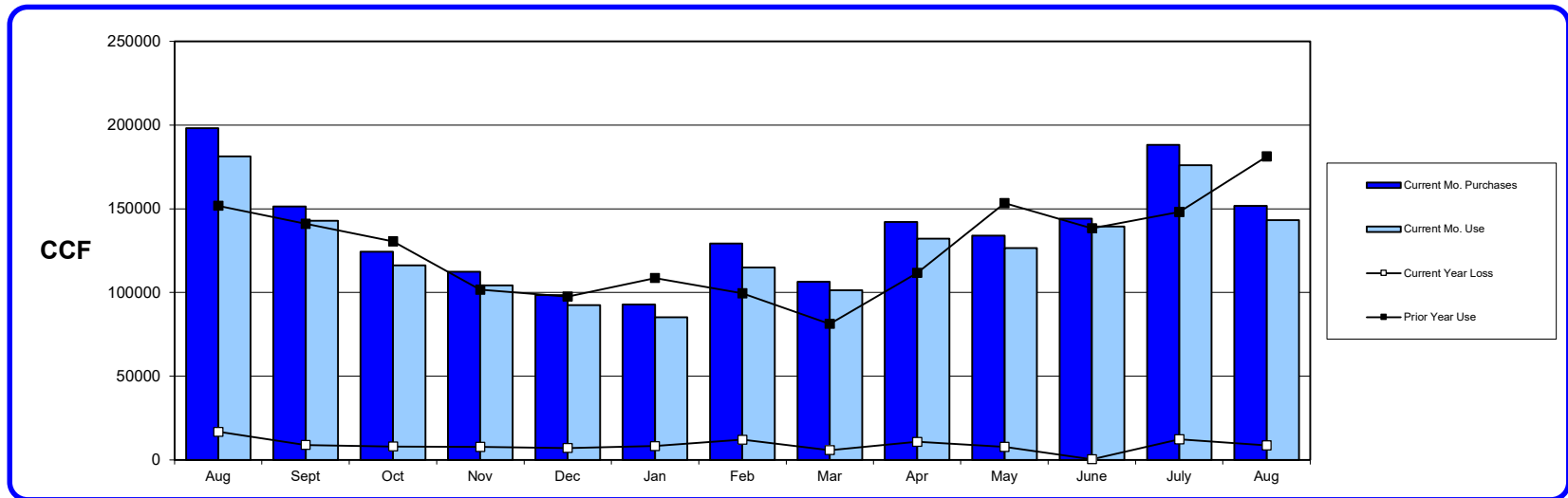
**DELINQUENT REPORT**

Meters Read - Customers Billed	<b>6497</b>	
Received Delinquent Notice on current bill	<b>545</b>	
Turned Off for lack of payment	4	0.06%
Customers turned back on, amount paid	1	0.02%



## WATER USAGE REPORT FOR THIRTEEN MONTHS

	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	TOTAL
Beg Water Levels	12791	13105	12830	13091	13383	12271	11507	14012	13478	12806	12493	13272	13282	
Ending Water Levels	13105	12830	13091	13383	12271	11507	14011	13478	12806	12493	13272	13282	13283	
Cur Yearly Purchases	198282	151403	124397	112327	98488	92725	129333	106514	142162	133959	144158	188279	151648	1773675
Cur Yr Monthly Use	181209	142826	116129	104291	92551	85242	114797	101282	132069	126528	139475	175991	143103	1655493
Prior Yr Monthly Use	151828	141011	130445	101649	99436	108646	99436	81228	111662	153372	148077	148077	181209	1656076



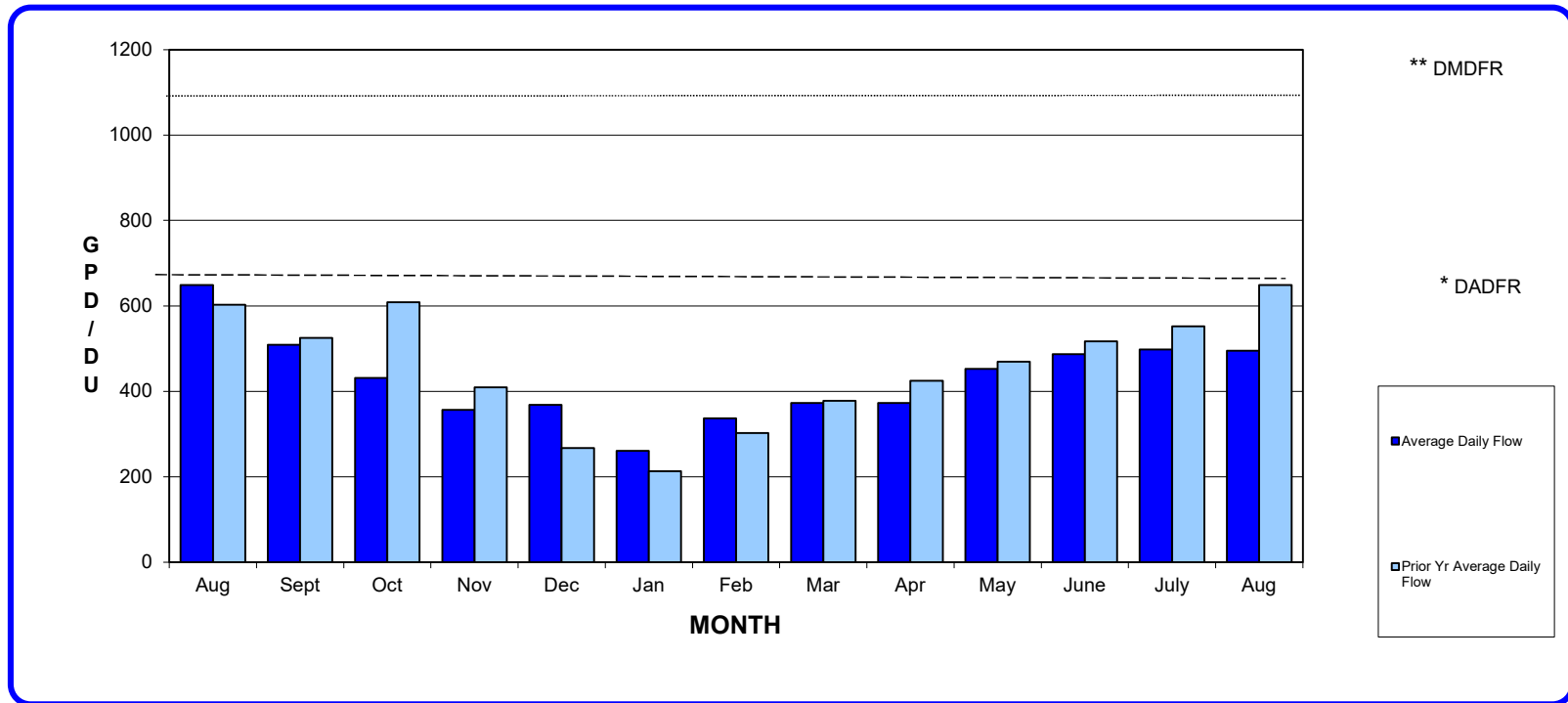
**KEY**

2019-2020
2020-2021
2021-2022
2022-2023

SUMMARY	
Beginning Water in System	12791 CCF
Water Purchased in last 13 months	1773675 CCF
Water Used in last 13 months	1655493 CCF
Water Remaining in System	13283 CCF
<b>(Loss)/Gain over last 13 months</b>	<b>(117690) CCF</b>
	<b>-6.64%</b>

## RESIDENTIAL WATER USAGE AVERAGE DAILY FLOW

	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	YEARLY AVERAGE
Average Daily Flow	648	508	432	357	368	261	337	373	373	453	487	498	495	412
Prior Yr Average Daily Flow	603	525	608	409	267	213	302	378	425	470	517	552	648	443



Key

2020-2021

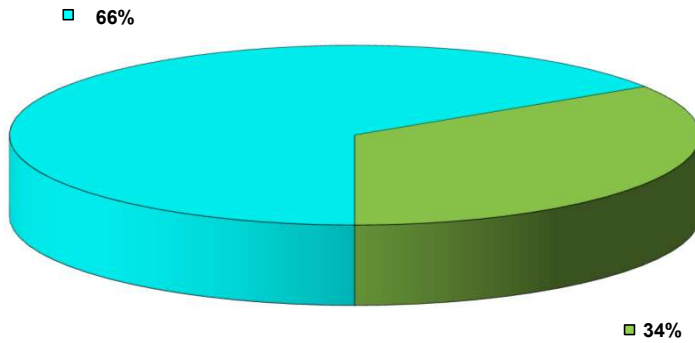
2021-2022

2022-2023

\* DESIGN AVERAGE DAILY FLOW RATE IN GPD (650)

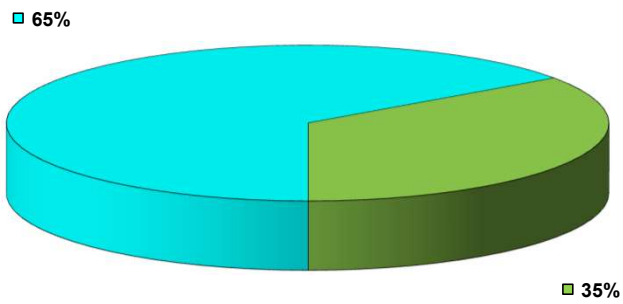
\*\* DESIGN MAXIMUM DAILY FLOW RATE IN GPD (1140)

**Temescal Valley Water District  
Volume of Water Sold  
For Two Months Ending August 31, 2022  
F/Y 2022-2023**



POTABLE NON-POTABLE

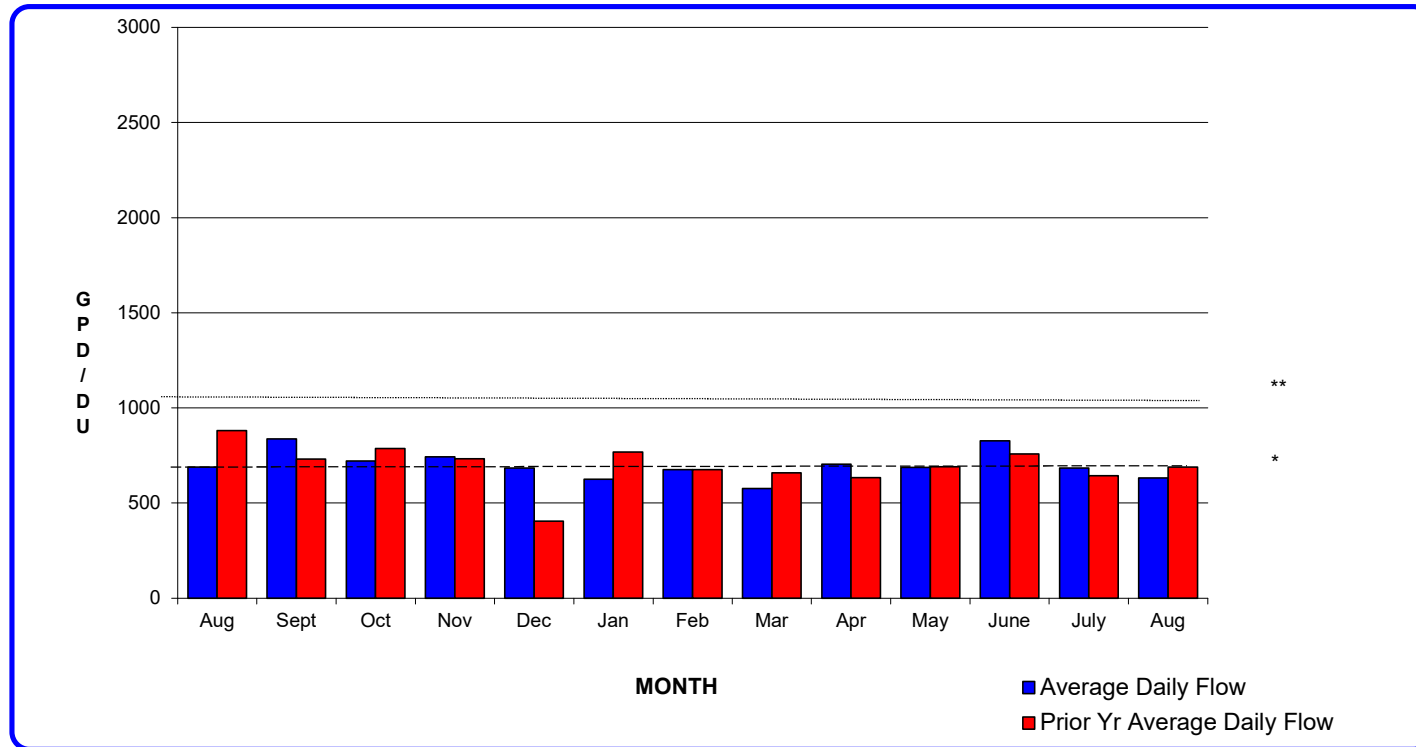
**Temescal Valley Water District  
Water Volume Sold  
For F/Y 2021-2022  
Twelve Months**



POTABLE NON-POTABLE

## COMMERCIAL WATER USAGE AVERAGE DAILY FLOW

	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	YEARLY AVERAGE
Average Daily Flow	689	838	721	744	684	625	675	577	704	688	827	683	632	700
Prior Yr Average Daily Flow	881	730	788	732	405	768	676	660	634	691	758	643	689	681



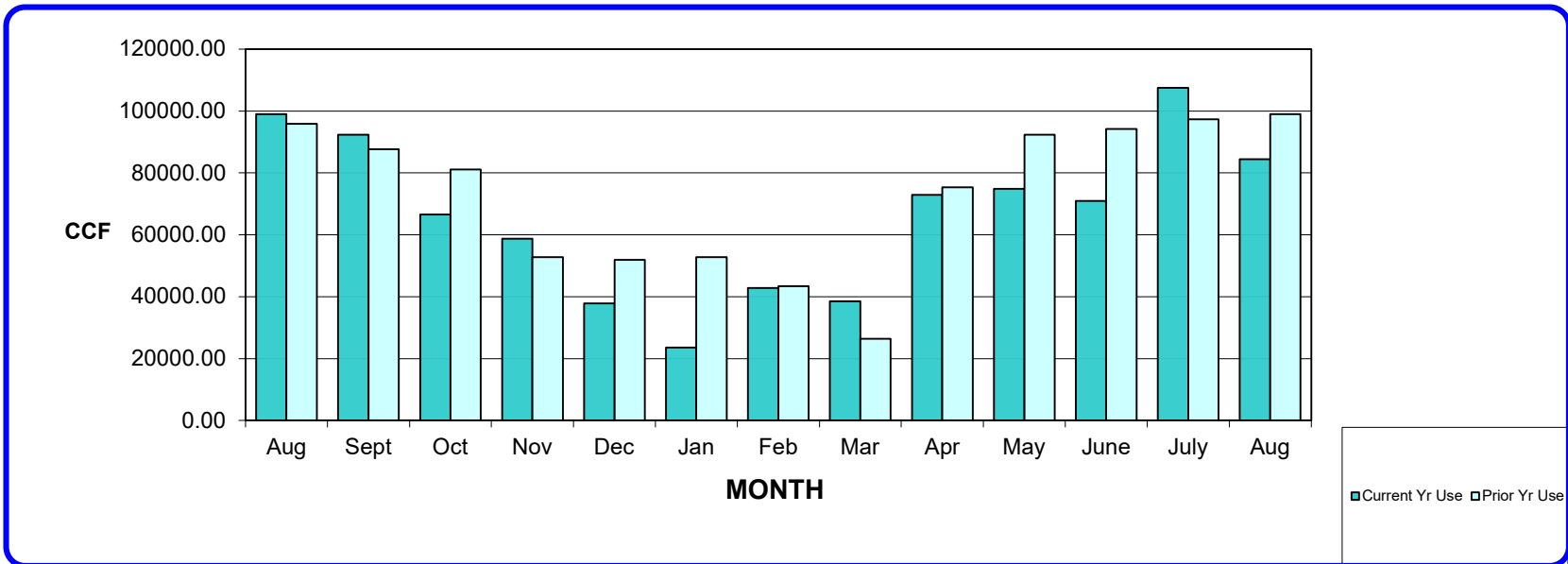
Key
2020-2021
2021-2022
2022-2023

\* DESIGN AVERAGE DAILY FLOW RATE IN GPD (650)

\*\* DESIGN MAXIMUM DAILY FLOW RATE IN GPD (1140)

## RECYCLED AND NON-POTABLE WELL WATER MONTHLY FLOW (ccf)

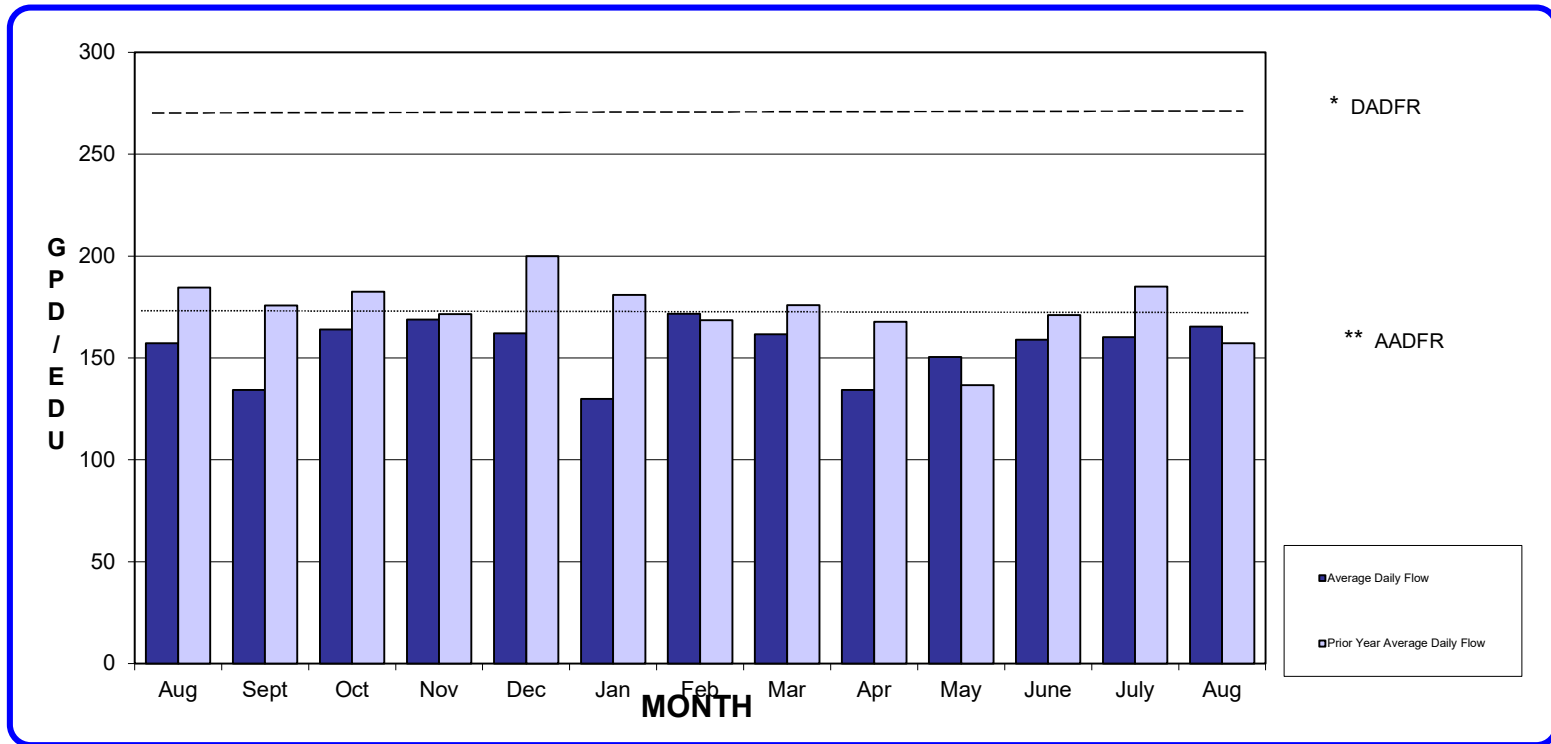
	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug
<b>Current Yr Use</b>	98914.00	92269.57	66474.53	58720.00	37812.00	23570.72	42797.73	38517.00	72833.55	74866.40	70903.37	107422.03	84406.00
<b>Prior Yr Use</b>	95840.25	87622.51	81051.36	52720.00	51836.00	52720.00	43322.39	26400.23	75335.76	92363.00	94145.68	97230.00	98914.00
<b>Revenue</b>	\$311,579	\$262,607	\$262,607	\$180,268	\$136,385	\$ 83,291.00	\$140,197	\$126,336	\$203,713	\$237,444	\$177,858	\$303,475	\$238,453



Key	
2020-2021	■
2021-2022	■
2022-2023	■

## RESIDENTIAL & COMMERCIAL SEWER USAGE AVERAGE DAILY FLOW (GALLONS per DAY per DWELLING UNIT)

	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	12-Month Average
Average Daily Flow	157	134	164	169	162	130	172	162	134	151	159	160	165	168
Prior Year Average Daily Flow	185	176	183	172	200	181	169	176	168	137	171	185	157	173



\*\* ACTUAL AVERAGE DAILY FLOW RATE IN GPD

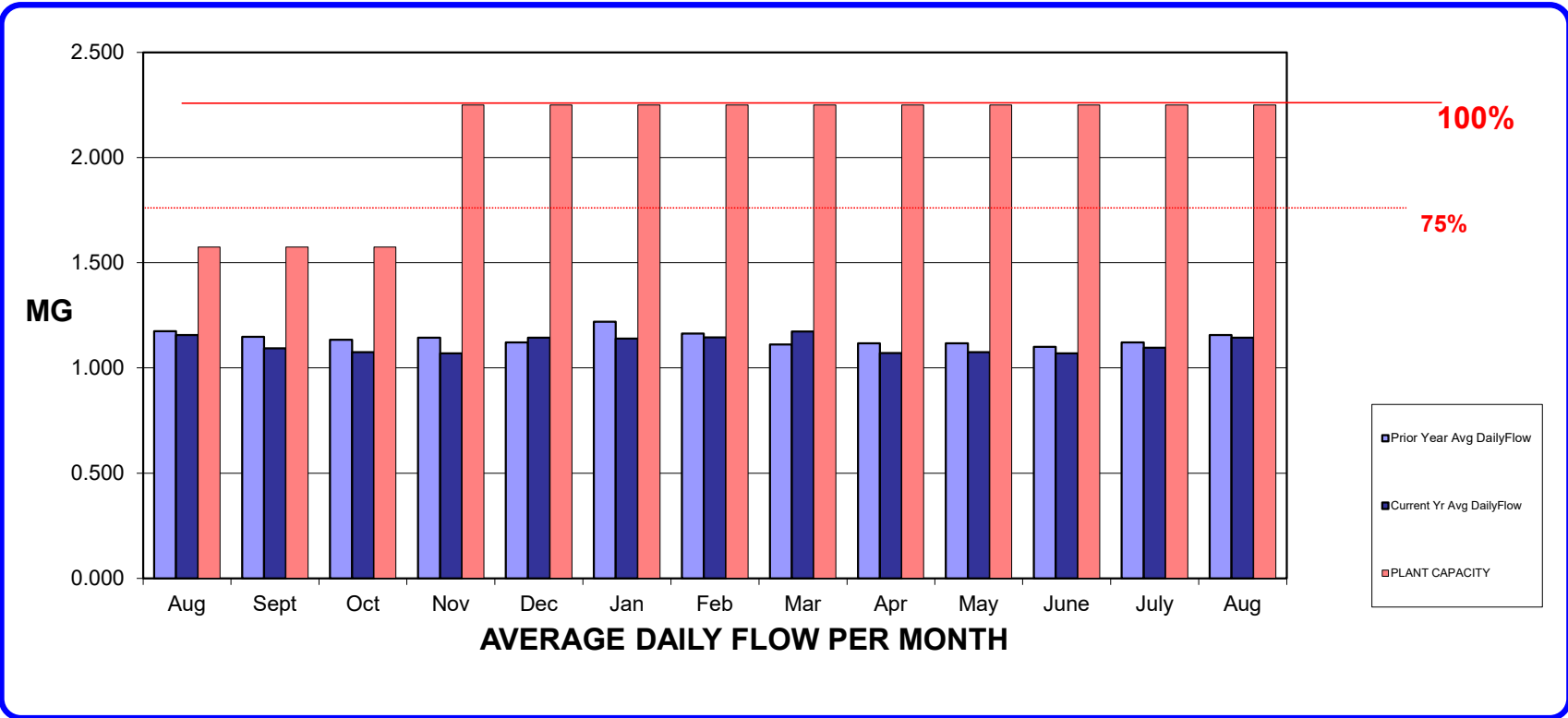
# RECLAMATION PLANT FLOW REPORT

## AVERAGE DAILY FLOW (Million Gallons)

Key	
2020-2021	
2021-2022	
2022-2023	

	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug
Current Yr Avg DailyFlow	1.1570	1.0940	1.0760	1.0690	1.1430	1.1400	1.1460	1.1730	1.0710	1.0760	1.0690	1.0970	1.1430
Prior Year Avg DailyFlow	1.1750	1.1490	1.1340	1.1430	1.1210	1.2200	1.1630	1.1110	1.1170	1.1180	1.1000	1.1210	1.1570

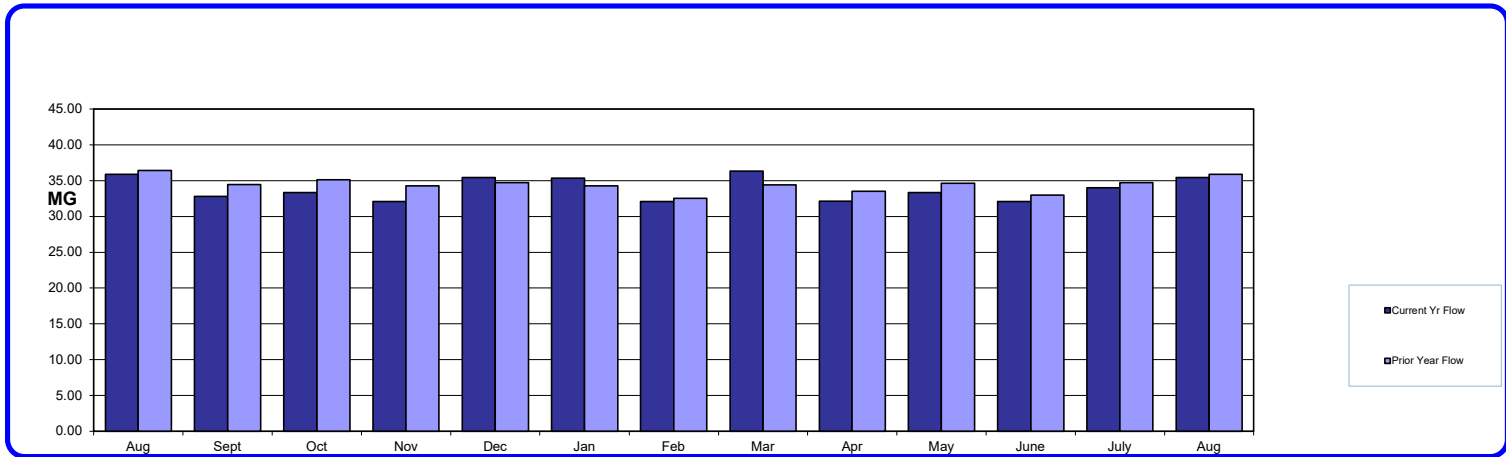
PLANT CAPACITY	1.575	1.575	1.575	2.250	2.250	2.250	2.250	2.250	2.250	2.250	2.250	2.250	2.250
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## RECLAMATION PLANT DISCHARGE REPORT MONTHLY FLOW (Million Gallons)

	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Total/yr
<b>Current Yr Flow</b>	35.87	32.82	33.36	32.07	35.44	35.35	32.08	36.36	32.12	33.35	32.08	34.01	35.45	404.49
<b>Prior Year Flow</b>	36.44	34.47	35.14	34.28	34.75	34.28	32.56	34.44	33.50	34.66	33.00	34.76	35.87	411.70

**Potential Revenue**      \$143,388    \$131,180    \$133,351    \$128,190    \$141,665    \$141,305    \$128,214    \$145,343    \$128,390    \$133,311    \$128,250    \$135,957    \$141,705    \$1,616,862



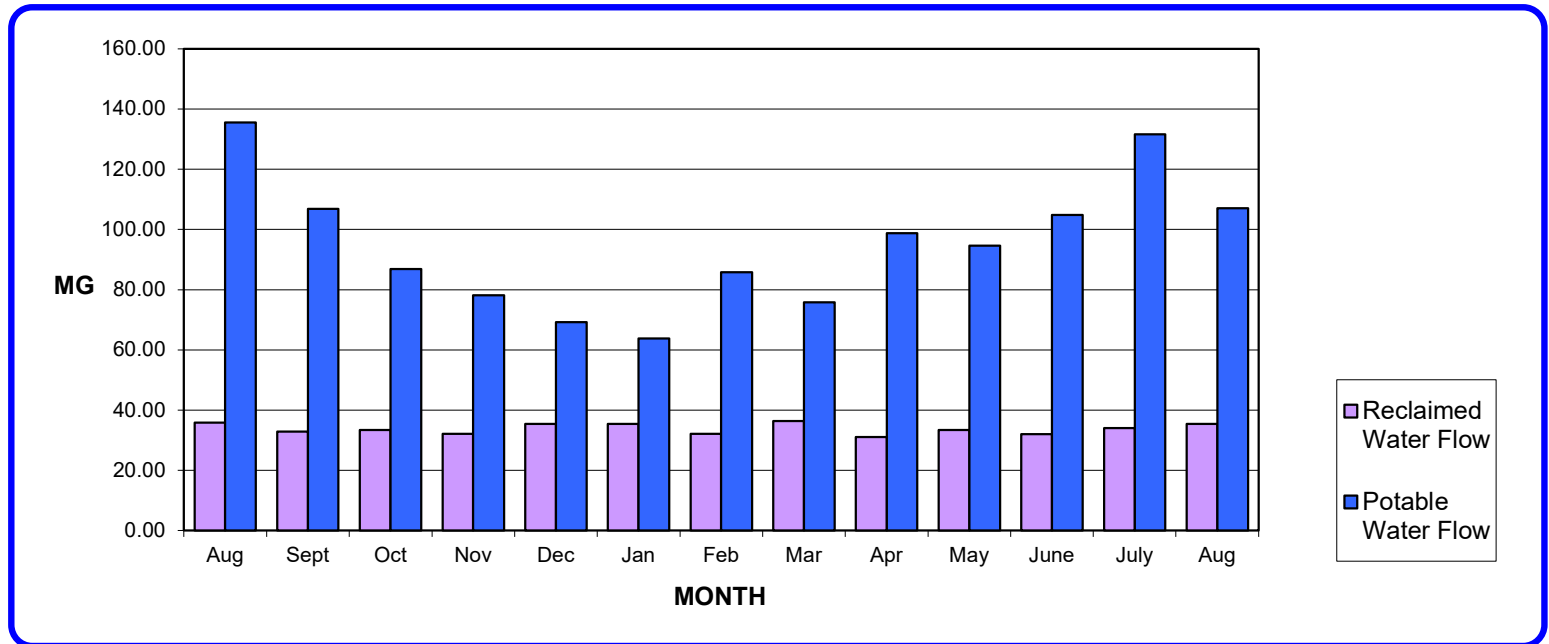
Key	
2020-2021	■
2021-2022	■
2022-2023	■

Note - recycled water only



## RECLAIMED WATER VERSUS POTABLE WATER MONTHLY FLOW (Million Gallons)

	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug
<b>No. of Sewer Dwelling Units Connected</b>	6923	6954	6983	6985	6996	7037	7052	7058	7097	7097	7106	7135	7135
<b>Reclaimed Water Flow</b>	35.87	32.82	33.36	32.07	35.44	35.35	32.08	36.36	31.12	33.35	32.05	34.01	35.43
<b>Potable Water Flow</b>	135.54	106.83	86.87	78.10	69.23	63.76	85.87	75.76	98.79	94.64	104.77	131.64	107.04



TEMESCAL VALLEY WATER DISTRICT  
AVERAGE WATER UNITS PER MONTH BY ROUTE

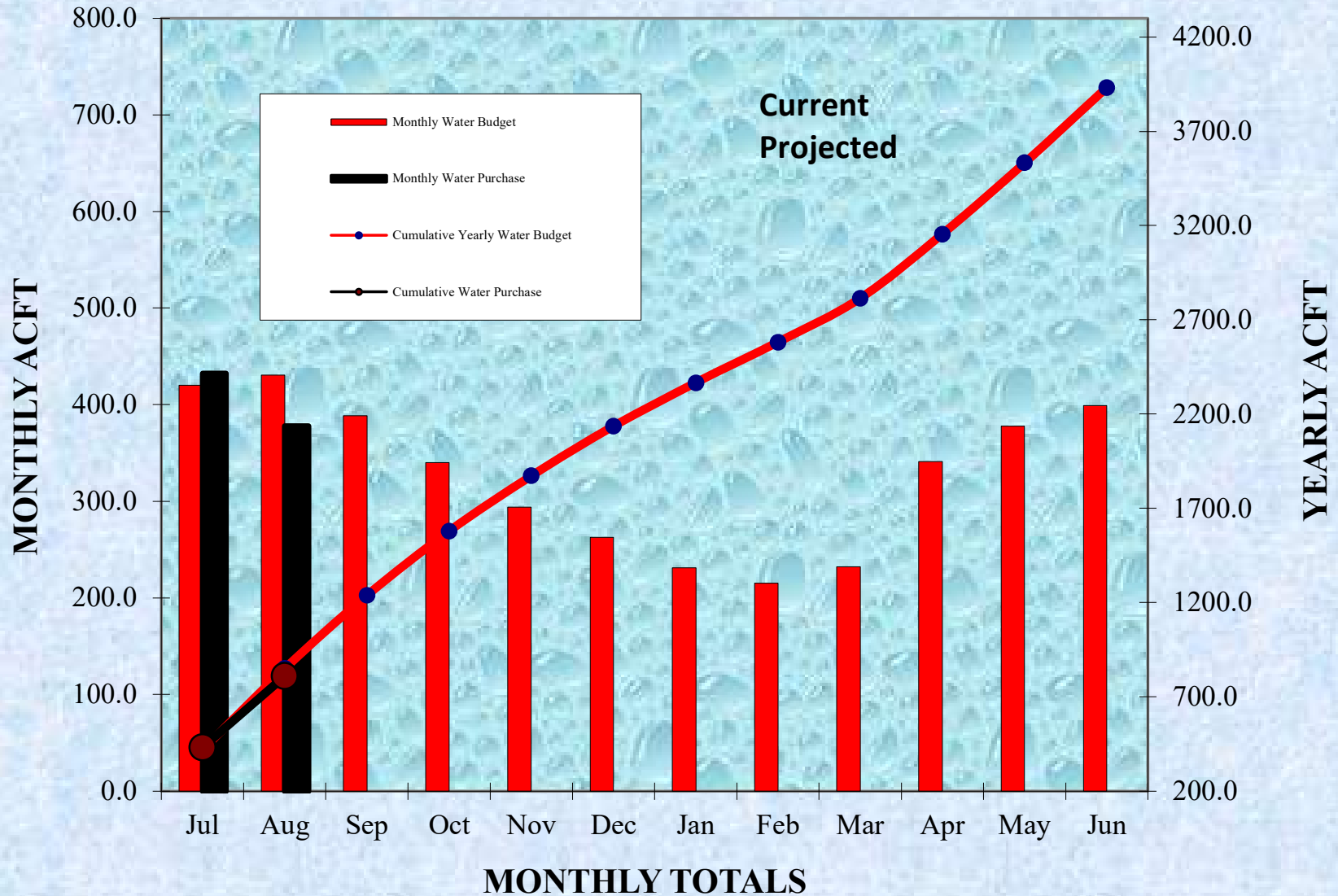
Month	Wildrose(2)	Montecito(3)	Trilogy(4)	Painted Hills(5)	Syc Crk(6)	Retreat(7)	Terramor(8)	Harm Gr(13)	Dist Avg	AVG IND-BK / IRR (1)	TOTAL		
											RECYCLED	NONPOT-Other	NONPOT-Trilogy Golf
AVG '07-'08	18.1	32.7	15.9	32.2	21.7	37.1	0.03	-	25.9	83.9			
AVG '08-'09	24.6	33.8	17.0	33.3	32.6	40.8	-	-	25.4	53.3			
AVG '09-'10	21.9	30.0	15.8	30.2	26.3	0.0	-	-	23.0	51.7			
AVG '10-'11	20.6	27.6	15.5	25.8	25.1	35.2	-	-	22.3	36.0			
AVG '11-'12	21.0	27.9	15.9	27.3	24.7	34.0	-	-	22.5	82.3			
AVG '12-'13	21.9	31.3	15.6	27.5	23.6	30.5	-	-	22.9	q			
AVG '13-'14	22.5	33.8	16.5	28.2	24.5	30.6	-	-	23.0	9.8			
AVG '14-'15	20.7	28.4	15.4	26.8	21.9	28.2	-	-	21.2	62.8			
AVG '15-'16	17.4	21.3	10.6	22.4	16.9	24.3	-	-	16.5	105.4	38,401.9	4,639.1	18,977.2
AVG '16-'17	18.4	26.4	16.7	24.8	18.5	27.1	26.4	-	19.4	211.0	46,977.4	8,442.6	16,068.4
AVG '17-'18	18.2	22.9	14.0	25.4	18.4	27.1	16.0	-	18.8	378.4	48,106.6	4,904.8	16,348.5
AVG '18-'19	20.3	26.4	15.7	27.1	19.2	27.3	12.9	0.3	19.5	145.9	39,101.6	4,511.4	12,445.3
AVG '19-'20	20.1	24.4	15.4	25.6	18.6	27.2	12.7	6.1	18.9	399.3	41,168.9	3,775.2	11,460.0
AVG '20-'21	21.5	28.2	17.6	25.9	19.6	30.5	13.8	7.9	19.7	54.9	49,744.3	4,450.3	12,932.8
AVG '21-'22	20.3	26.1	17.9	23.9	19.3	28.0	12.5	9.7	19.3	56.0	42,268.8	4,212.1	15,703.4
Jul-22	28.5	38.9	26.7	37.1	26.0	41.1	16.4	11.3	27.3	48.6	70,391.3	5,597.7	29,540.0
Aug-22	23.4	32.4	21.3	29.3	21.7	33.8	13.2	9.6	22.4	431.4	57,409.6	4,592.3	26,504.1
Sep-22													
Oct-22													
Nov-22													
Dec-22													
Jan-23													
Feb-23													
Mar-23													
Apr-23													
May-23													
Jun-23													
AVG '22-'23													

NOTE: AVG UNITS PER MONTH

# WHOLESALE BUDGET vs PURCHASE

## Water Year July 2022 through June 2023

**3930 ACFT PROJECTION )**





September 27, 2022

Board of Directors  
Temescal Valley Water District

RE: General Manager's Report

Dear Board:

The following is a brief status report on several issues that I have been involved in since the last meeting.

- **Water Supply Availability - Restrictions**
  - New access to Local Water with Sterling Pump Station – Western Letter
  - 7-29-2021 Western's Water Resource Manager – indicated MWD has more water in storage than in any time in its history, approx. 3 million acre feet. As of now there is no pressure from MWD to restrict water demands. They will illustrate alignment with the Governor's request for 15% voluntary reduction with increased marketing for efficient water use and participation in rebate programs. Western will be rolling out a regional outreach effort in partnership with Eastern MWD, Inland Empire UA, and Valley District. We will make these messages/materials available to you when available.
  - 8-19-2021 MWD has a current message that requests a voluntary 15% reduction
  - 4-21-22 SWRCB – Zero SWP allocation possible/ new restrictions on outdoor irrigation possible/Western not reliant on SWP this water year –
  - Restriction on Ornamental Turf coming in June.
  - Possible requirement to go to Conservation Stage II in June
  - Final State Water Resources Control Board requirement for Stage II and Turf
  - District in Stage II and working with HOAs on watering restrictions and Ornamental turf removal.
- Working on non-potable water supply improvements
  - Park Canyon Drive RW line – Property owner has agreed to build the RW line along Park Canyon to our existing pipeline from the sump well.
  - Working on new well site near the Sump Booster site on the Temescal Valley Commerce Center.
- Working on Conservation opportunities and RW/NP conversion locations
  - Reviewing all 2" potable irrigation meters for potential conversion to RW.
  - Map complete reviewing opportunities to convert to Non-potable or RW
  - Prioritized RW conversion sites and seeking approval to provide preliminary design and cost.
- Working with Land Developers on water and sewer fees for multiple infill projects.
  - Deleo adjacent to Tom's Farms – no news
  - Retreat Infill – Kiley Court – Plans signed – new Will Serve sent

Temescal Valley Water District

22646 Temescal Canyon Road | Temescal Valley, CA 92883-4106 | tel: 951.277.1414 | fax: 951.277.1419  
www.temescalvwd.com



- Temescal Canyon Road at Campbell Ranch Road – Taylor Morris purchased property, Received a construction meter for grading. Grading started. Signed plans for water, sewer, and RW. Grading continues. Sewer construction started. District fees have been paid and models in construction.
- Kiley Family Trust Property – Tract Map Stage - Public Hearing scheduled – W & S plans submitted – Requested water system study. Plans ready for signature
- Amazon Fulfillment Center (Rinker Property) – Map Stage – Preliminary W & S plans reviewed. Amazon dropped out but the developer is continuing with a plan for commercial buildings.
- Second review of Senior Living Development on Ben Day’s property.
- Terramor CFD – CFD 4 annexation of Phase 2 completed - Constructing the WRF expansion. Annexation of final PA in Phase 2 completed – Working on Phase 3 Water, Sewer and RW plans. Working on second Bond issuance for IA 2. Bond Issuance for IA2 complete
  - Annexation of IA3 is started.
  - Annexation complete for phase 1 of ID 3
- Terramor Review:
  - Phase 3 –Reviewed phase 3 water and sewer plans – ready for signature.
- Terramor Onsite Water, Sewer and RW improvements
  - Work continues Improvement Area 2 – Richmond America, Pardee and Pulte. Grading of Phase 3 pads will be complete in August. Developer currently building the upper zone booster.
  - Upper booster complete and in operation – final testing and connection to SCADA in the works
  - Work continues on the water, sewer and RW in ID 3
- WRF 225K GPD upgrade
  - The WRF is finished – a few final warrantee items outstanding. Warrantee items complete – retention released
- New Storage Building
  - Received three prices on the building – above Cap budget amount - looking for ways to reduce the cost.
  - Proposals on August meeting agenda
  - Building approved by Board -deposit paid – concrete slab scheduled in October – building in late November.
- AMI/AMR Meter Reading system upgrade
  - Research continues different data collection systems, software and meters.
  - Expecting final coverage proposal prior to September Board meeting.



# SOLVE THE WATER CRISIS

ACT NOW TO SECURE CALIFORNIA'S FUTURE.



## ADDRESSING CALIFORNIA'S WATER SUPPLY CRISIS

### MAJOR CHANGES NEED TO BE ENACTED TO ENSURE AN ADEQUATE AND RELIABLE WATER SUPPLY

California faces a major challenge, climate change has severely impacted the ability of our water system to meet the current and future needs of the State, while California has failed to upgrade the system to increase the amount of water available and ensure the ability to move water to where it is needed. Conservation and modest system improvements will not be enough, bold changes are necessary and must be acted on immediately to avoid more statewide rationing and economic disruptions.

**According to a recent PPIC poll, "drought remains the dominant environmental issue for Californians." Just as important, a majority of Californians, nearly 70 percent "don't feel that government is doing enough to combat the drought." (Jul, 2022)**



## THE STATE MUST ACT NOW

For decades, the State has been proposing and planning, it is now time to make the big investments on three generational solutions:

### MORE STORAGE

Storage is essential to collect water when it is available and provide that water when it is needed, including surface and groundwater storage. In addition to improving existing storage, new storage will help California adapt to more extreme weather patterns and the uncertainty of climate change. California can no longer rely on the winter snowpack to provide a reliable source of water throughout the year. We need to store water when we have precipitation and deliver that water for environmental, residential, business, and agricultural use when needed.

### IMPROVED CONVEYANCE

The State needs to modernize the system for moving water. The federal and state water projects need improved infrastructure that is not constrained by physical limitations. California has invested in improvements for highways, bridges, airports and other critical parts of the state's infrastructure, the state needs to rehabilitate and expand the water delivery system to improve the infrastructure that moves water throughout the state.

### REGULATORY CERTAINTY

The operations of California's water system also need to be improved to provide more flexibility for environmental and water supply purposes and more regulatory certainty for water agencies and their customers. The operational inefficiencies have resulted in curtailed water deliveries and resulted in rate increases for residential and business users. Flexibility will allow water agencies to better manage the costs of upgrading local water systems, expanded water use efficiency programs, and additional water supply needs.

### NEW SUPPLY

To achieve the 17 million acre-feet of water supply needed to make up for loss of snowpack, the State must also invest and prioritize new water supply including recycling and desalination.



**California must address the perpetual water supply crisis that grows worse every year. The time to act is now. We need to reverse the trend of water cutbacks and rationing and rectify the decades-long, statewide water supply crisis that is impacting 40 million Californians.**



September 21, 2022

Board of Directors  
Temescal Valley Water District

Re: Water and Sewer Operations – August 2022

Dear Board Members:

Temescal Valley Water District operations personnel perform the following tasks on a regular and routine basis:

- Managed 348.13 acre-feet of water through system.
- Collected weekly potable water samples as required by the State Water Resources Control Board, Division of Drinking Water. Collected routine wastewater monitoring samples as required by Regional Water Quality Control Board.
- Submitted monthly SMR and Report to the Regional Water Quality Control Board for: Temescal Valley Wastewater Reclamation Facility.
- Submitted monthly reports to the State Water Resources Control Board, Division of Drinking Water for: TVWD distribution system monitoring.
- Meters read 6,497.
- 4 shut offs.
- Responded 91 service calls.
- Installed 18 meters for the various developers.
- Responded to 56 USA Dig Alerts to mark District underground utilities.

In addition to the above regular and routine tasks we also performed the following operational tasks.

- 0 biosolids loads were hauled off this month.
- New employee Dino Trujillo started training in the distribution system.

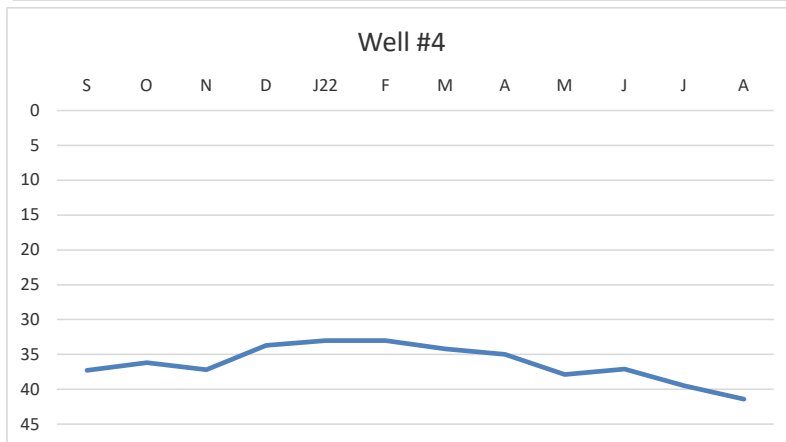
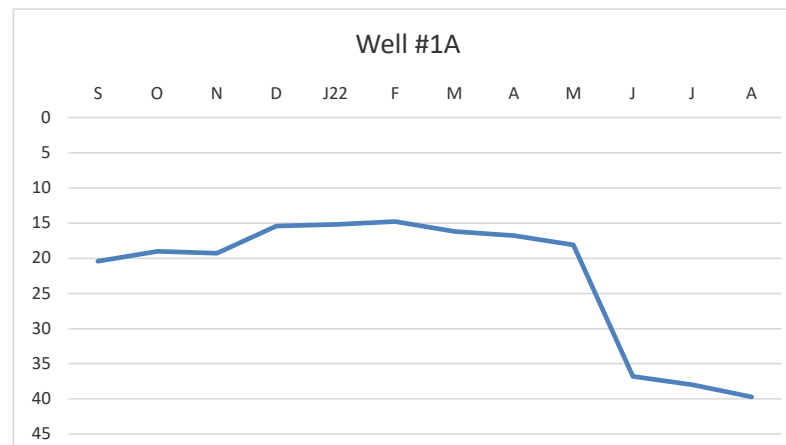
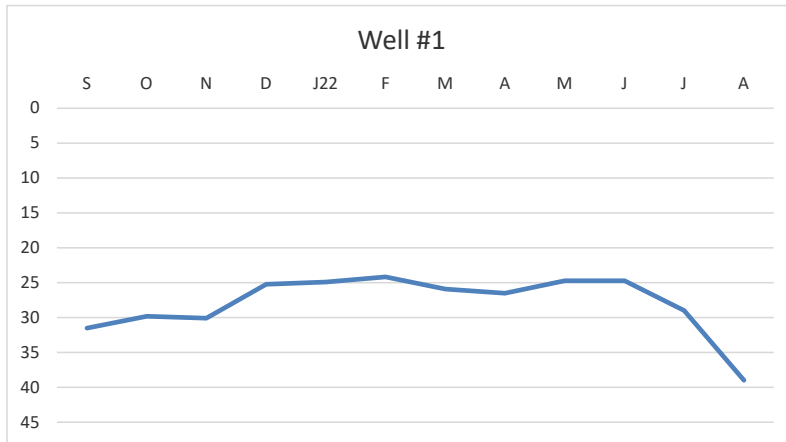
- We are now able to remotely operate the reclaimed diversion valve at the Wastewater Treatment Facility.
- Our generator contractor changed out a faulty ATS switch for the generator at the Retreat Potable Booster Station.
- Semi-Annual generator checks were completed by our generator contractor.

Sincerely,

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Paul Bishop, Superintendent





**TEMESCAL VALLEY WATER DISTRICT  
ENGINEERING DEPARTMENT**

**DISTRICT ENGINEER'S MONTHLY REPORT**

**Date:** September 21, 2022  
**To:** Jeff Pape, General Manager  
**From:** Justin Scheidel, District Engineer  
**Subject:** Engineering Activities Update for the Month of September 2022

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Following is a summary of the status of current engineering projects:

**PLAN CHECKING & DEVELOPER RELATED PROJECTS**

**Terramor (10555-17 Tracts 38051-1, 2, and 3):** Second plan check has been reviewed and accepted. Waiting to sign final mylars for construction.

**Track 37155:** Third plan check complete, waiting for fourth submittal.

**AS-NEEDED ENGINEERING SERVICES** **Status**

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***General Engineering Initiated During FY 2022/23***

- Project 1401.2201: As-Needed Potable Water Engineering for FY 2022/23: Development of the district engineering report and attendance of the District's board meeting.
- Project 1401.2202: As-Needed Wastewater Engineering for FY 2022/23: Conducted as-built research for various projects to be designed by developers and other municipalities.
- Project 1401.2203: As-Needed Non-Potable Water Engineering for FY 2022/23: Conducted as-built research for various projects to be designed by developers and other municipalities.
- Project 1401.2204: Potable Water Studies for FY 2022/23: No activity this month.
- Project 1401.2205: GIS/Map Updates for FY 2022/23: No activity this month.
- Project 1401.2206: Wastewater Studies for FY 2022/23: No activity this month.

**CAPITAL IMPROVEMENT PROJECTS** **Status**

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- Project 1401.2008: DWR LAM Validation: The second batch of information provided by DWR has been reviewed, corrected, and returned to DWR for processing. We are currently waiting on direction from DWR regarding the next steps.

**90% Complete**

Project 1401.2009: Manhole Rehabilitation Project: This project is out for public re-bid with a public bid opening scheduled for October 19<sup>th</sup>.

Project 1401.2207: Wildrose Reservoir Design: We have obtained the survey file and the geotechnical report for the project. Using this information, we have started to design the new reservoir site and anticipate the design to be completed in December with a public Bid opening in January of 2023.

**15% Complete**

# MEMORANDUM

DATE: September 21, 2022

TO: Board of Directors  
Temescal Valley Water District

FROM: District Engineer

SUBJECT: Authorization to Conduct Preliminary Design for the Recycled Water Conversion Projects

## **BACKGROUND**

With the goal of reducing potable water consumption throughout the District, a preliminary assessment of the current potable water irrigation meters was conducted to determine the feasibility of converting these meters to the non-potable water system. Attached to this memo is a map identifying the potable water irrigation meters within the District along with various attributes including size and average water consumption. Using this map, the District's Engineering committee has identified nine projects with the highest eligibility of conversion based on consumption, ease of conversion, and proximity to the existing recycled and agricultural water systems.

## **RECOMMENDATION**

The District allow Dudek to develop preliminary design and estimate costs to convert the existing potable water irrigation meters to non-potable sources.

Respectfully submitted,



Justin Scheidel  
District Engineer

