

**Production
&
Distribution
Report**

**For the Month Ended
May 31, 2024**

Jose A. Garza

[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]	[I]	[J]	[K]
SRWA 2023-2024 FY Water Distribution Summary and True-Up Estimate										
		SRWA Total Distribution			BPUB ¹	Valley MUD#2	Los Fresnos ²	BND ¹	Indian Lake ²	Total
Allocation	Percent (%)	Million Gals	Dist. Per sum of		92.91%	2.51%	2.28%	2.10%	0.20%	100.00%
			column f-j	Difference	Million Gals	Million Gals	Million Gals			
	Oct-23	200.786	200.786	0.000	171.008	6.320	18.839	4.217	0.402	200.786
	Nov-23	207.806	207.806	0.000	180.509	4.916	17.601	4.364	0.416	207.806
	Dec-23	209.005	209.005	0.000	184.129	3.105	16.964	4.389	0.418	209.005
	Jan-24	214.506	214.506	0.000	187.683	4.950	16.939	4.505	0.429	214.506
	Feb-24	202.631	202.631	0.000	177.814	4.843	15.314	4.255	0.405	202.631
	Mar-24	220.763	220.763	0.000	190.479	6.478	18.728	4.636	0.442	220.763
	Apr-24	217.674	217.674	0.000	185.917	7.489	19.262	4.571	0.435	217.674
	May-24	227.171	227.171	0.000	192.838	6.417	22.691	4.771	0.454	227.171
	Jun-24		0.000	0.000						-
	Jul-24		0.000	0.000						-
	Aug-24		0.000	0.000						-
	Sep-24		0.000	0.000						-
Actual Distribution	YTD MG	1,700.342	1,700.342	0.000	1,470.377	44.518	146.338	35.708	3.401	1,700.342
	Daily Average (MGD)	6.969			6.026	0.182	0.600	0.146	0.014	6.969

True up Estimate: This is not a bill.

Allocable Distribution Based on % Participation	1,579.788	42.679	38.768	35.707	3.401	1,700.342
Consolidation of Distribution per Agreements	1,615.495	42.679	42.168	-	-	1,700.342
Over (Under) Distributed	(109.41)	1.84	107.57	-	-	0.000
FY2023 Estimated O&M Cost Per Thousand Gallons	\$ 1.80	\$ 1.80	\$ 1.80			
Total Cost of Over (Under) Distributed	<u>\$ (196,937.90)</u>	<u>\$ 3,310.95</u>	<u>\$ 193,626.95</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>

¹ BPUB is providing credit to the BND for their SRWA share on their monthly BPUB water bill.

² As of Jan 1, 2009, City of Los Fresnos is purchasing Indian Lake's water allocation (as per Interlocal Agreement dated 10/14/2008)

SOUTHMOST REGIONAL WATER AUTHORITY
PRODUCTION / DISTRIBUTION COSTS

MONTH: **May-24**

	R.O. Water Produced MGD	Blend Water Produced MGD	Total Water Produced	DISTRIBUTION (MGD)			TOTAL WATER DISTRIBUTED
				TO BROWNSVILLE	TO LOS FRESNOS	TO VMUD #2	
1	6.373	1.245	7.618	6.651	0.584	0.212	7.447
2	6.443	1.122	7.565	6.036	0.800	0.205	7.041
3	6.210	0.862	7.072	6.604	0.695	0.203	7.502
4	6.324	0.941	7.265	6.583	0.776	0.220	7.579
5	6.440	0.934	7.374	6.184	0.769	0.187	7.140
6	6.233	0.880	7.113	6.165	0.720	0.283	7.168
7	6.544	0.935	7.479	6.007	0.732	0.286	7.025
8	6.573	0.907	7.480	6.442	0.761	0.305	7.508
9	6.679	0.763	7.442	6.861	0.806	0.311	7.978
10	6.335	0.675	7.010	6.151	0.628	0.181	6.960
11	7.380	0.740	8.120	6.440	0.759	0.218	7.417
12	6.035	0.599	6.634	5.828	0.789	0.242	6.859
13	6.814	0.679	7.493	6.673	0.710	0.192	7.575
14	6.775	0.750	7.525	6.397	0.582	0.276	7.255
15	6.320	0.697	7.017	5.269	0.769	0.167	6.205
16	6.781	0.860	7.641	6.757	0.754	0.190	7.701
17	6.151	0.672	6.823	6.199	0.659	0.189	7.047
18	6.264	0.932	7.196	5.929	0.718	0.188	6.835
19	6.474	0.946	7.420	6.794	0.883	0.216	7.893
20	6.424	0.952	7.376	7.066	0.750	0.168	7.984
21	6.257	0.767	7.024	6.878	0.743	0.161	7.782
22	7.315	0.748	8.063	6.562	0.834	0.205	7.601
23	6.786	0.634	7.420	6.331	0.849	0.170	7.350
24	7.169	0.789	7.958	6.183	0.802	0.194	7.179
25	7.221	0.809	8.030	7.613	0.877	0.180	8.670
26	7.215	0.784	7.999	5.809	0.839	0.242	6.890
27	5.237	0.659	5.896	6.483	0.824	0.156	7.463
28	7.077	0.682	7.759	6.128	0.802	0.140	7.070
29	6.858	0.765	7.623	5.550	0.653	0.269	6.472
30	6.921	0.901	7.822	6.807	0.577	0.129	7.513
31	6.524	0.937	7.461	6.229	0.701	0.132	7.062
TOTALS	204.153	25.566	229.719	197.609	23.145	6.417	227.171
AVERAGE	6.586	0.825	7.410	6.374	0.747	0.207	7.328

CHEMICAL CONSUMPTION

	TYPE	QUANTITY	COST/UNIT	TOTALS
Scale Inhibitor	275-Gal Tote	0.37	\$10,400.00	\$3,868.80
Calcium Chloride	lbs.	140,392.54	\$0.2900	\$40,713.84
Caustic Soda	lbs.	20,707.38	\$0.1538	\$3,184.80
Liquid Ammonium Sulfate	lbs.	22,069.32	\$0.1629	\$3,595.09
Chlorine	Ton Containers	6.29	\$2,359.00	\$14,840.47
Ferric Chloride	lbs.	8,764.62	\$0.2700	\$2,366.45
Sodium Bisulfite	lbs.	9,020.78	\$0.1865	\$1,682.38
High pH Membrane Cleaner (237)	55-Gal Drum	0.00	\$2,186.60	\$0.00
Low pH Membrane Cleaner (234)	55-Gal Drum	0.00	\$1,897.40	\$0.00
Citric Acid	330-Gal Totes	1.00	\$3,136.28	\$3,136.28
Sodium Chlorite	lbs.	4,349.00	\$0.689	\$2,996.46
<i>Chemical cost per thousand gals:</i>		<i>\$0.333</i>		\$76,384.56

ELECTRIC CONSUMPTION

	kwh	COST/kwh	TOTALS
Well Field	597,600	\$0.08261	\$49,367.74
MF Processing Plant	166,200	\$0.0966	\$16,054.92
RO Processing Plant	429,000	\$0.1100	\$47,190.00
High Service Pumps	159,600	\$0.1051	\$16,773.96
<i>Power costs per thousand gals:</i>		<i>\$0.563</i>	\$129,386.62

SOUTHMOST REGIONAL WATER AUTHORITY

MONTH: **May-24**

	TOTAL MGD PRODUCED	DESCRIPTION	DOWN TIME HOURS
1	7.618		
2	7.565		
3	7.072		
4	7.265		
5	7.374		
6	7.113		
7	7.479		
8	7.480		
9	7.442		
10	7.010		
11	8.120		
12	6.634		
13	7.493		
14	7.525		
15	7.017		
16	7.641		
17	6.823		
18	7.196		
19	7.420		
20	7.376		
21	7.024		
22	8.063		
23	7.420		
24	7.958		
25	8.030		
26	7.999		
27	5.896	Air flow sensor at microfiltration malfunctioned and disabled the racks	7
28	7.759		
29	7.623		
30	7.822		
31	7.461		
TOTALS	229.719		7
AVERAGE	7.410		

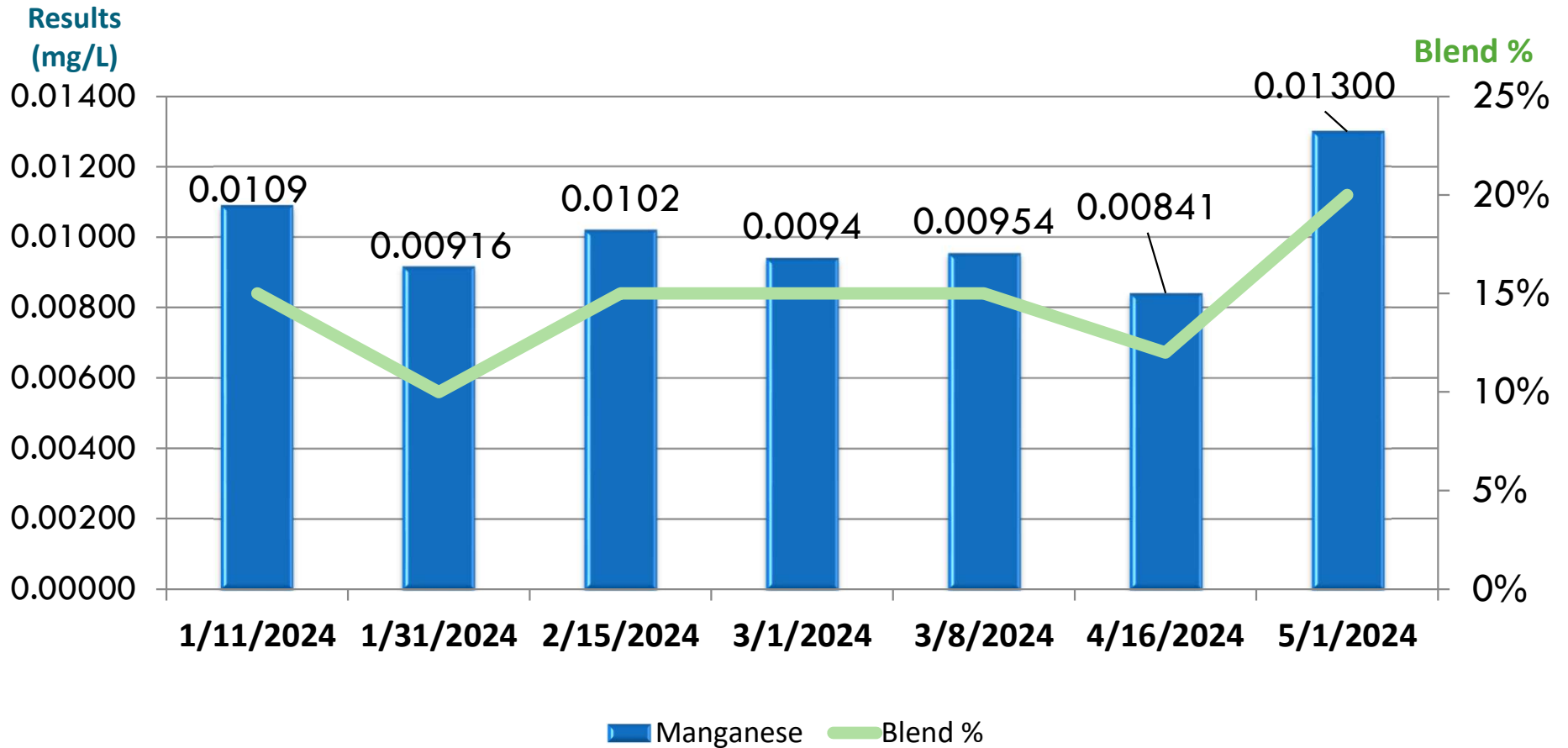
IRON/MANGANESE/ARSENIC REMOVAL

	RAW			FILTRATE			Point of Entry (Tap/ Finished Water)				Treated Water	DOSAGES		
	IRON (mg/L)	MANGANESE (mg/L)	ARSENIC (mg/L)	IRON (mg/L)	MANGANESE (mg/L)	ARSENIC (mg/L)	IRON (mg/L)	MANGANESE (mg/L)	ARSENIC (mg/L)	Total Dissolved Solids (mg/L)	Blend % (SCADA SET POINT)	CL02 (mg/L)	S.B.S. (mg/L)	Ferric (mg/L)
1/11/2024	0.482	0.0877	0.0170	<0.00379	0.0785	0.00279	<0.00379	0.01090	<0.000902	N/A	15% (6 ROs)	0.5	1.70	1.70
1/31/2024	0.523	0.089	0.0219	<0.00379	0.085	0.00552	<0.00379	0.00916	0.000967	N/A	10% (6 ROs)	0.4	1.70	1.50
2/15/2024	0.588	0.085	0.0236	<0.00379	0.085	0.00514	<0.00379	0.01020	<0.000902	N/A	15% (6 ROs)	0.4	1.70	1.50
3/1/2024	0.514	0.0851	0.0225	<0.00379	0.0855	0.00700	<0.00379	0.00940	0.000969	940 (Product)	15% (6 ROs)	0.3	1.70	1.50
3/8/2024	0.561	0.0851	0.0238	<0.00379	0.086	0.00681	<0.00379	0.00954	0.001240	660	15% (6 ROs)	0.3	1.70	1.30
4/16/2024	0.519	0.104	0.0217	<0.00379	0.0993	0.00551	<0.00379	0.00841	0.001910	650	12% (6 ROs)	0.3	1.50	1.30
5/1/2024	0.492	0.0879	0.0213	<0.00379	0.0897	0.00552	<0.00379	0.01300	0.001740	820	20% (6 ROs)	0.3	1.50	1.30

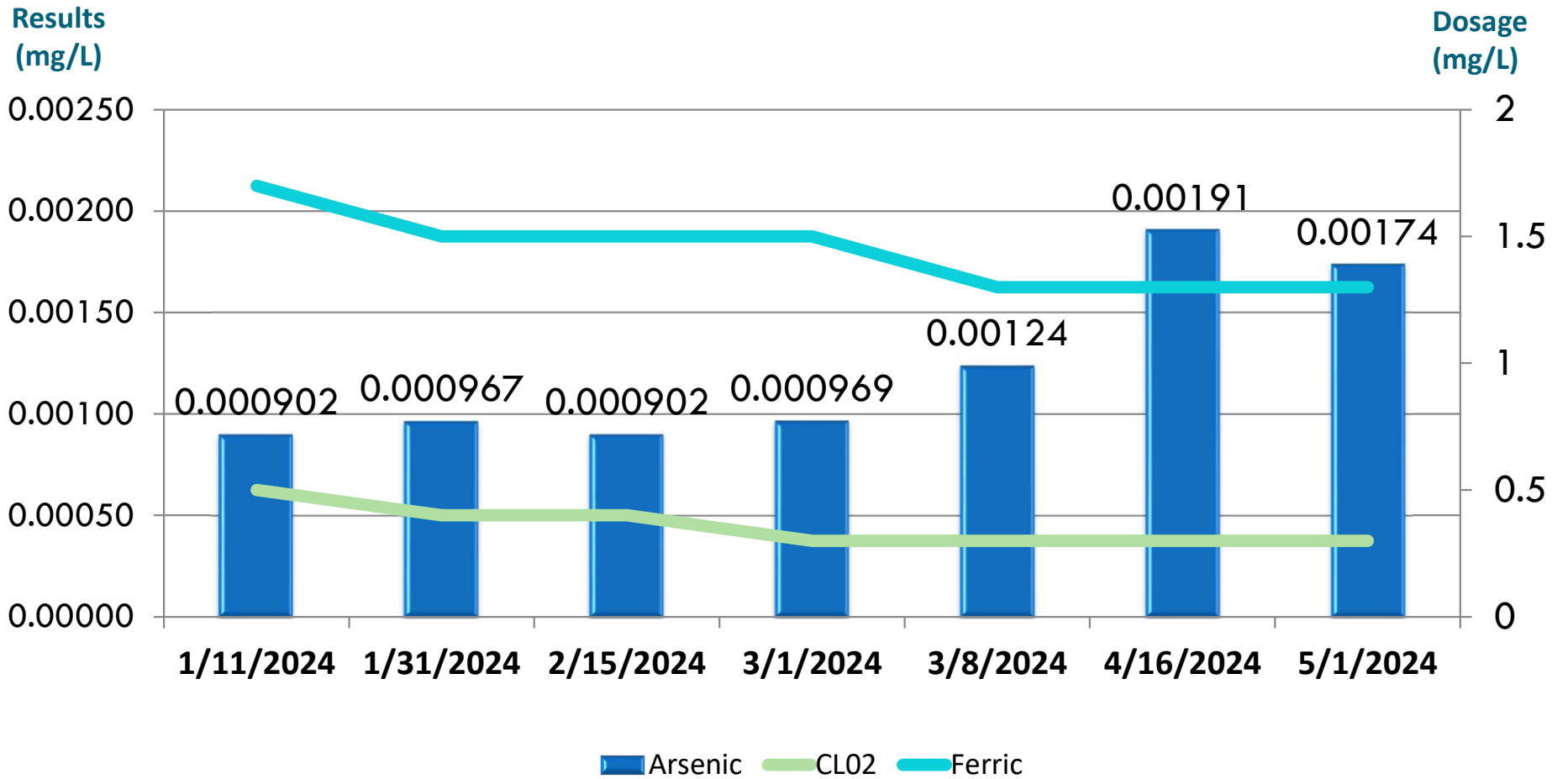
Maximum Contaminant Level (mg/L)			
IRON 0.3	MANGANESE 0.05	ARSENIC .010	TDS 1,000

SRWA Max Goal (mg/L)			
IRON .15	MANGANESE .015	ARSENIC .005	TDS 800-900

Manganese



Arsenic

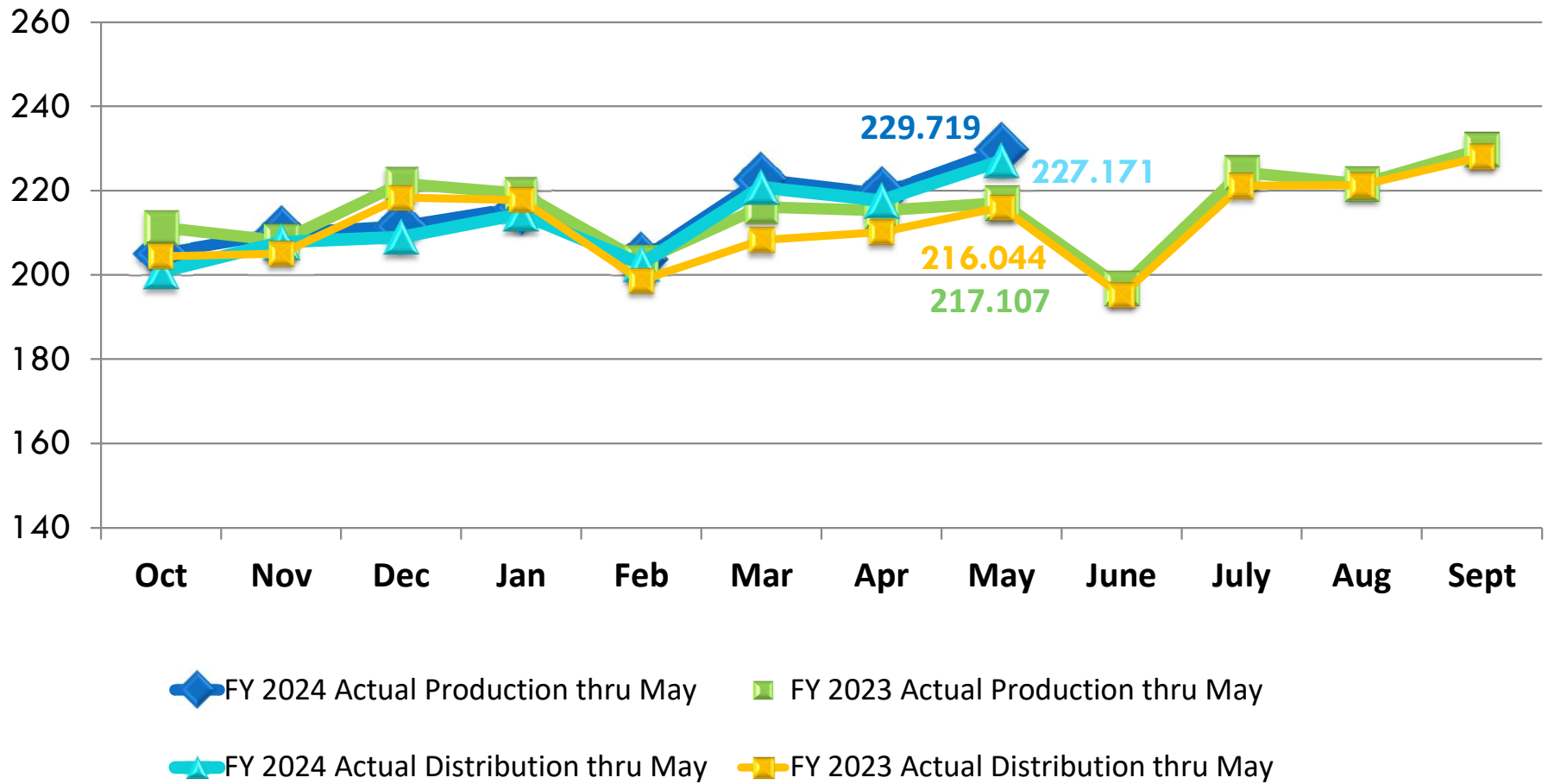


Fiscal Year 2024 Southmost Regional Water Authority Financial Performance as of May 31, 2024



Water Production & Distribution

Million Gallons

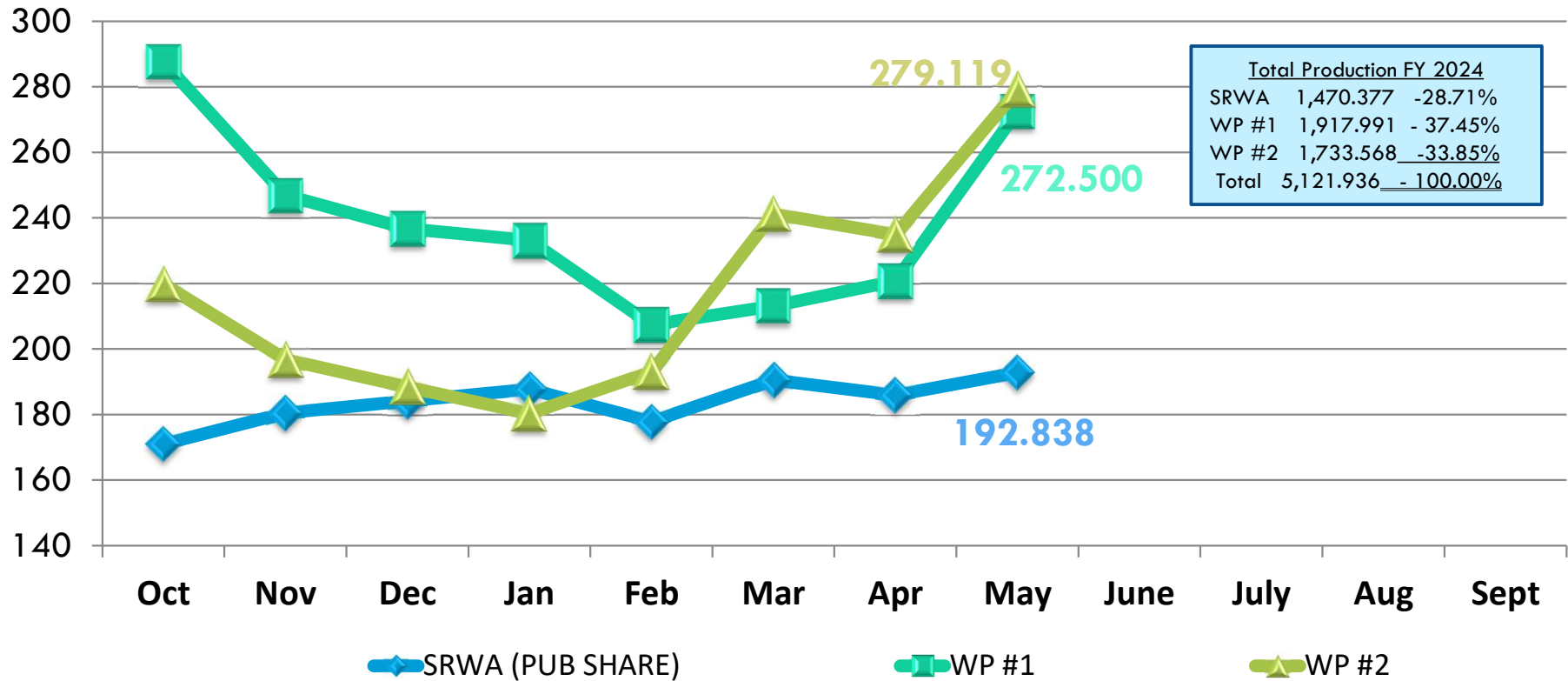


Fiscal Year 2024 Southmost Regional Water Authority Financial Performance as of May 31, 2024



9 Million Gallons

Water Plant Production



Total Production FY 2024		
SRWA	1,470.377	-28.71%
WP #1	1,917.991	-37.45%
WP #2	1,733.568	-33.85%
Total	5,121.936	-100.00%

**Financial
Performance**

**For the Month Ended
May 31, 2024**

George Rangel

Fiscal Year 2024 Southmost Regional Water Authority Financial Performance as of May 31, 2024



Operating Revenues / Expenses

	May 2024	FY 2024 YTD
1. Operating Revenues:		
2. Member assessments	\$ 650,965	\$ 5,207,718
3. Total Operating Revenues	<u>650,965</u>	<u>5,207,718</u>
4. Operating Expenses:		
5. Personnel services	74,722	571,886
6. Materials and supplies	133,620	827,038
7. Repairs and maintenance	-	51,623
8. Contractual and other services	22,296	1,555,851
9. Depreciation expense	112,455	900,234
10. Total Operating Expenses	<u>343,093</u>	<u>3,906,632</u>
11. Operating Income (Loss)	307,872	1,301,086

Fiscal Year 2024 Southmost Regional Water Authority Financial Performance as of May 31, 2024



Non-Operating Revenues / Expenses

	May 2024	FY 2024 YTD
12. Non-Operating Revenues (Expenses):		
13. Non-operating revenues (expenses)	(267)	(7,468)
14. Interest from investments	57,977	427,889
15. Amortized regulatory costs and bond premium	7,017	56,138
16. Interest expense	(50,930)	(407,437)
17. Gain (Loss) on Disposition of Property	-	(153,085)
18. Net Non-Operating Revenues (Expenses)	<u>13,797</u>	<u>(83,963)</u>
19. Income (Loss) before capital contributions	321,669	1,217,123
20. Capital contributions	-	-
21. Change in net position	<u>321,669</u>	<u>1,217,123</u>
22. Net Position, beginning of year	23,660,371	22,764,917
23. Net Position, end of year	<u>\$ 23,982,040</u>	<u>\$ 23,982,040</u>



Fiscal Year 2024
Summary by Account

RUN DATE: 12-JUNE-2024

ACCOUNT	FY 2024 APPROVED BUDGET	YTD BUDGET	YTD ACTUALS	DIFF	MAY BUDGET	MAY ACTUAL	BUDGET BALANCE
Personnel Services							
6160 Overhead Labor	961,155	640,770	571,886	68,884	80,096	74,722	389,269
Total Personnel Services	\$ 961,155	640,770	571,886	68,884	80,096	74,722	389,269
Materials and supplies							
7203 Sand, Caliche, Gravel, Concrete etc	29,000	19,333	6,554	12,779	2,417	-	22,446
7225 Safety supplies	6,060	5,227	6,049	(822)	3,768	5,238	11
7278 Chemicals - sodium chlorite	200,000	133,333	57,879	75,454	16,667	5,225	142,121
7281 Chemicals - ammonia	67,000	44,667	30,443	14,224	5,583	7,845	36,557
7282 Chemicals - caustic soda	95,000	63,333	58,283	5,050	7,917	11,532	36,717
7283 Chemicals - chlorine	211,280	140,853	117,950	22,903	17,607	18,872	93,330
7288 Chemicals - ferric chloride	67,600	45,067	24,127	20,939	5,633	-	43,473
7291 Chemicals-Microfiltration Cleaners	137,000	91,333	37,635	53,698	11,417	9,409	99,365
7292 Chemicals - Sodium Bisulfite	32,000	21,333	17,867	3,467	2,667	-	14,133
7293 Chemicals - other	1,310	873	354	520	109	-	956
7294 Chemicals - calcium chloride	568,000	378,667	295,603	83,064	47,333	27,103	272,397
7295 Chemicals - membrane cleaner	29,920	19,947	31,200	(11,253)	2,493	31,200	(1,280)
7296 Chemicals - scale inhibitor	359,429	210,949	-	210,949	(48,891)	-	359,429
7297 Chemicals - cartridge filters	62,360	40,387	28,821	11,566	1,933	-	33,539
7298 membranes	242,400	161,600	-	161,600	20,200	-	242,400
7299 Other materials & supplies	145,000	111,667	114,273	(2,607)	8,334	17,196	30,727
Total Materials and supplies	\$ 2,253,359	1,488,569	827,038	661,531	105,187	133,620	1,426,321
Repairs and maintenance							
7520 Maint. of minor equipment	750	500	-	500	63	-	750
7581 Maintenance wells	460,973	307,315	51,623	255,692	38,414	-	409,350
Total Repairs and maintenance	\$ 461,723	307,815	51,623	256,192	38,477	-	410,100



Fiscal Year 2024
Summary by Account

RUN DATE: 12-JUNE-2024

ACCOUNT	FY 2024 APPROVED BUDGET	YTD BUDGET	YTD ACTUALS	DIFF	MAY BUDGET	MAY ACTUAL	BUDGET BALANCE
Contractual and other services							
7102 Sponsorships	1,500	1,000	-	1,000	125	-	1,500
7105 Books & periodicals	150	100	140	(40)	13	-	10
7110 Dues & memberships	1,500	1,000	1,150	(150)	125	122	350
7120 Office supplies	1,200	800	1,188	(388)	100	275	12
7130 Postage/shipping charges	500	333	534	(200)	42	-	(34)
7135 Telephone expenses	22,000	14,667	10,853	3,814	1,833	1,357	11,147
7140 Training expenses	4,000	2,667	670	1,997	333	530	3,330
7145 Travel expenses	3,000	2,000	(859)	2,859	250	-	3,859
7180 Utilities - departmental	1,210,000	806,667	962,350	(155,683)	100,833	142,626	247,650
7310 Federal, state, & local fees	2,000	1,333	11	1,322	167	-	1,989
7315 Food, meals, ice, water	6,900	4,600	3,765	835	575	874	3,135
7325 Rental of equip/storage/land	11,100	7,400	4,307	3,093	925	547	6,793
7335 Wearing apparel & dry goods	3,500	2,333	91	2,242	292	-	3,409
7380 Insurance - general liability	4,400	2,933	1,109	1,824	367	139	3,291
7381 Insurance - boiler,mchnry,property	146,000	97,333	86,756	10,577	12,167	(151,775)	59,244
7384 Insurance - public officials liab	1,925	1,283	1,349	(66)	160	169	576
7385 Insurance - comprehensive auto liab	2,500	1,667	493	1,174	208	62	2,007
7415 Fuels & lubricants	3,000	2,000	2,385	(385)	250	287	615
7601 Legal Fees	8,000	5,333	3,872	1,461	667	-	4,128
7605 Engineering fees	270,000	180,000	188,867	(8,867)	22,500	9,826	81,133
7615 External auditor fees	12,000	8,000	9,900	(1,900)	1,000	-	2,100
7645 Maintenance services	15,200	10,133	486	9,647	1,267	91	14,714
7650 Security services	10,000	6,667	-	6,667	833	-	10,000
7660 Ground Keeping Maintenance	126,600	84,400	60,530	23,870	10,550	8,180	66,070
7699 Other services	252,000	153,000	125,913	27,087	24,750	8,986	126,087
7801 Communication equipment	1,000	667	-	667	83	-	1,000
7805 Computer equipment	2,500	2,000	-	2,000	125	-	2,500
7810 Laboratory equipment	5,000	3,333	4,517	(1,184)	417	-	483
7820 Office furniture & equipment	500	333	282	51	42	-	218
7830 Pumping equipment	121,211	109,478	84,141	25,337	88,944	-	37,070
7835 Tools, shop and garage equipment	1,000	667	42	625	83	-	958
7899 Other minor tools & equipment	9,000	5,667	1,009	4,658	833	-	7,991
Total Contractual and other services	\$ 2,259,186	1,519,794	1,555,851	(36,057)	270,859	22,296	703,335
GRAND TOTAL	\$ 5,935,423	3,956,948	3,006,398	950,550	494,619	230,638	2,929,025