

Western Municipal Water District

Riverside Service Area and Rainbow Service Area Water Cost of Service Study Appendix

Fiscal Year 2022-23 Cost of Service Tables
June 2, 2021 Version



This document serves as an appendix to the Riverside Service Area and Rainbow Service Area Water Cost of Service Study Report (Report). The reader may notice that table headings in this appendix may numerically skip ahead. This appendix is not meant as a stand-alone document, and therefore the table numbers correspond directly to the Report. The summary tables with Fiscal Year (FY) 2022 – FY 2025 information are omitted from this appendix. Only those tables corresponding to unique FY 2022-23 (FY 2023) rate analysis are presented.

RIVERSIDE POTABLE TABLES

Table 4-10: FY 2023 O&M Allocation (\$)

Functions	FY 2023 Budget	Water				Meters & Service						
		Supply	Delivery	Max Day	Max Hour	Efficiency	Elevation	Billing & CS	Service	RTS	Public Fire	General
Customer Accounts	\$1,176,652	\$0	\$0	\$0	\$0	\$0	\$0	\$1,176,652	\$0	\$0	\$0	\$0
General	\$6,024,248	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,024,248
Gravity Line Allocation	\$55,085	\$0	\$24,813	\$12,158	\$18,114	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MWD Capacity Charge	\$368,530	\$0	\$166,005	\$81,342	\$121,183	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Purchased Power	\$1,936,211	\$0	\$0	\$0	\$0	\$0	\$1,936,211	\$0	\$0	\$0	\$0	\$0
Purchased Water	\$22,016,157	\$22,016,157	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Replacement Reserve & Debt Svc	\$3,255,731	\$0	\$1,410,980	\$691,380	\$715,926	\$0	\$0	\$0	\$278,200	\$0	\$47,956	\$111,288
RTS	\$702,775	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$702,775	\$0	\$0
Source of Supply	\$47,099	\$0	\$21,216	\$10,396	\$15,488	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transmission & Distribution	\$9,851,909	\$0	\$4,437,797	\$2,174,520	\$3,239,592	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Treatment	\$233,529	\$0	\$105,193	\$51,545	\$76,791	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Water Efficiency	\$437,950	\$0	\$0	\$0	\$0	\$437,950	\$0	\$0	\$0	\$0	\$0	\$0
Water Pumping	\$2,133,608	\$0	\$961,085	\$470,931	\$701,592	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$48,239,484	\$22,016,157	\$7,127,088	\$3,492,273	\$4,888,685	\$437,950	\$1,936,211	\$1,176,652	\$278,200	\$702,775	\$47,956	\$6,135,536
O&M Allocation %	100.00%	45.64%	14.77%	7.24%	10.13%	0.91%	4.01%	2.44%	0.58%	1.46%	0.10%	12.72%

Table 4-11: Other Available Revenues

Revenue Source	FY 2023 Revenue (\$)	Applicable Cost Component
Interest Income	\$43,000	General
Delinquent Penalties	\$430,500	General
Fixed System Charge - Wholesale	\$7,772	General
New Service Set Up	\$30,700	Billing & CS
Meter Repair	\$25,000	Meters & Service
Sub-Total	\$536,972	
Potable Property Tax	\$7,910,184	Revenue Offset
Total	\$8,447,156	

Table 4-12: Adjusted Cost Components

Cost Component	Gross Revenue		Net Revenue C = A + B
	Requirement A	Less Offset B	
General	\$6,135,536	(\$481,272)	\$5,654,264
Billing & CS	\$1,176,652	(\$30,700)	\$1,145,952
Meters & Service	\$278,200	(\$25,000)	\$253,200
Total		(\$536,972)	

Table 4-13: General Cost Reallocation

Line No.	Cost Component	FY 2023	Applicable Cost	Allocation %	General Reallocation	Net Revenue Requirements
		Revenue Requirements				
		A	B	C = B ÷ B13	D = A11 x C	E = A + D
1	Water Supply	\$22,016,157	N/A			\$22,016,157
2	Delivery	\$7,127,088	\$7,127,088	42.2%	\$2,383,508	\$9,510,595
3	Max Day	\$3,492,273	\$3,492,273	20.7%	\$1,167,919	\$4,660,192
4	Max Hour	\$4,888,685	\$4,888,685	28.9%	\$1,634,920	\$6,523,605
5	Efficiency	\$437,950	N/A			\$437,950
6	Elevation	\$1,936,211	N/A			\$1,936,211
7	Billing & CS	\$1,145,952	\$1,145,952	6.8%	\$383,240	\$1,529,192
8	Meters & Service	\$253,200	\$253,200	1.5%	\$84,678	\$337,878
9	RTS	\$702,775	N/A			\$702,775
10	Public Fire	\$47,956	N/A			\$47,956
11	General	\$5,654,264	N/A		(\$5,654,264)	\$0
12	Revenue Offset	(\$7,910,184)	N/A			(\$7,910,184)
13	Total	\$39,792,328	\$16,907,198	100.0%	\$0	\$39,792,328

Table 4-14: Fire Flow Demand

Line No.	Description	Connection	Fire Demand	# of	Fire Demand	% of Total
		Size (inches)	Factor	Connections	Units	
		A	B = A ^{2.63}	C	D = B x C	E = D / D16
1	Public Hydrants					
2	2-inch	2.00	6.19	3	19	
3	4-inch	4.00	38.32	71	2,721	
4	6-inch	6.00	111.31	3,511	390,809	
5	8-inch	8.00	237.21	88	20,874	
6	Total Public			3,673	414,423	84%
7						
8	Private Fire					
9	3-inch	3.00	17.98	1	18	
10	4-inch	4.00	38.32	46	1,763	
11	6-inch	6.00	111.31	53	5,899	
12	8-inch	8.00	237.21	67	15,893	
13	10-inch	10.00	426.58	118	50,336	
14	12-inch	12.00	689.04	8	5,512	
15	Total Private			293	79,422	16%
16	Total				493,845	100%

Table 4-15: Fire Capacity Costs

Line No.	Fire Capacity Costs	Units A	% Fire Capacity B	Max Day C	Max Hour D	Total E = C + D
1	Allocated Costs			\$3,492,273	\$4,888,685	
2	Extra Capacity Demand	hcf / day		\$12,274	\$18,286	
3	Unit Cost of Service	per hcf		\$285	\$267	
4						
5	Fire Capacity Demand	hcf		401	4,412	
6	Fire Capacity Costs			114,114	1,179,479	\$1,293,593
7	Public Fire Protection		84%	95,762	989,791	\$1,085,553
8	Private Fire Protection		16%	18,352	189,688	\$208,040

Table 4-16: Reallocation of Public Fire Protection

Line No.	Cost Components	FY 2023 Requirements A	Less Public Fire Capacity Costs B	Subtotal C = A + B
1	Water Supply	\$22,016,157		\$22,016,157
2	Delivery	\$9,510,595		\$9,510,595
3	Max Day	\$4,660,192	(\$95,762)	\$4,564,430
4	Max Hour	\$6,523,605	(\$989,791)	\$5,533,814
5	Efficiency	\$437,950		\$437,950
6	Elevation	\$1,936,211		\$1,936,211
7	Billing & CS	\$1,529,192		\$1,529,192
8	Meters & Service	\$337,878		\$337,878
9	RTS	\$702,775		\$702,775
10	Public Fire	\$47,956	(\$47,956)	\$0
11	Revenue Offset	(\$7,910,184)	\$1,133,509	(\$6,776,675)
12	Total	\$39,792,328	\$0	\$39,792,328

Table 4-17: Reallocation of Private Fire

Line No.	Cost Components	FY 2023	Less Private Fire	Subtotal
		Requirements	Capacity Costs	
		A	B	C = A + B
1	Water Supply	\$22,016,157		\$22,016,157
2	Delivery	\$9,510,595		\$9,510,595
3	Max Day	\$4,564,430	(\$18,352)	\$4,546,078
4	Max Hour	\$5,533,814	(\$189,688)	\$5,344,126
5	Efficiency	\$437,950		\$437,950
6	Elevation	\$1,936,211		\$1,936,211
7	Billing & CS	\$1,529,192		\$1,529,192
8	Meters & Service	\$337,878		\$337,878
9	RTS	\$702,775		\$702,775
10	Revenue Offset	(\$6,776,675)		(\$6,776,675)
11	Private Fire		\$208,040	\$208,040
12	Total	\$39,792,328	\$0	\$39,792,328

Table 4-18: Summary of Revenue Requirements by Cost Components

Cost Components	FY 2023 Revenue Requirements	Variable	Fixed
Water Supply	\$22,016,157	✓	
Delivery	\$9,510,595	✓	
Extra Capacity	\$9,890,204		✓
Efficiency	\$437,950	✓	
Elevation	\$1,936,211	✓	
Billing & CS	\$1,529,192		✓
Meters & Service	\$337,878		✓
RTS	\$702,775		✓
Revenue Offset	(\$6,776,675)	✓	
Private Fire	\$208,040		✓
Total	\$39,792,328	\$27,124,238	\$12,668,089
Variable / Fixed Split (%)		68%	32%

Table 4-19: Billing & Customer Service Costs Component – Units of Service

Meter Size	Number of Accounts	# of Billing Periods	Units of Service (# of Bills)
	A	B	C = A x B
5/8"	15	12	180
3/4"	16,540	12	198,480
1"	4,413	12	52,956
1.5"	320	12	3,840
2"	326	12	3,912
3"	33	12	396
4"	21	12	252
6"	6	12	72
8"	2	12	24
10"	1	12	12
12"	0	12	0
Total			260,124

Note: The total number of bills in Table 4-19 includes private fire accounts

Table 4-20: Billing & Customer Service Costs Component – Unit Rate

Billing and Customer Service Component	
Billing & CS Revenue Requirements	\$1,529,192
÷ # of Bills	260,124
Monthly Unit Rate	\$5.879

Table 4-21: Meters and Service Costs Component – Units of Service

Line No.	Meter Replacement Cost	Meter Cost Ratio	# of Bills	Units of Service (EMUs)
Meter Size	A	B = A ÷ A2	C	D = B x C
1	5/8" \$ 296.31	0.94	180	169
2	3/4" \$ 316.30	1.00	198,480	198,480
3	1" \$ 382.89	1.21	52,956	64,105
4	1.5" \$ 610.40	1.93	3,840	7,410
5	2" \$ 832.37	2.63	3,912	10,295
6	3" \$ 1,609.25	5.09	396	2,015
7	4" \$ 1,809.01	5.72	252	1,441
8	6" \$ 3,206.28	10.14	72	730
9	8" \$ 4,656.83	14.72	24	353
10	10" \$ 7,177.24	22.69	12	272
11	12" \$ 9,813.73	31.03	0	0
12	Total		260,124	285,270

Note: The total number of bills in Table 4-21 includes private fire accounts

Table 4-22: Meters & Service Costs Component – Unit Rate

Meter & Service Component	
Meters & Service Revenue Requirements	\$337,878
÷ Meter Cost EMUs	285,270
Monthly Unit Rate	\$1.185

Table 4-23: Extra Capacity Costs Component – Units of Service

Line No.	Meter Size	Meter Type	AWWA Standards	AWWA Ratio	# of Bills w/o	Units of
			(gpm)		Private Fire	Service
			A	B = A ÷ A2	C	D = B x C
1	5/8"	C713-15 Fluidic-Oscillator Type	20	1	180	120
2	3/4"	C701-12 Turbine Type, Class I, Vertical Shaft Type	30	1	194,964	194,964
3	1"	C701-12 Turbine Type, Class I, Vertical Shaft Type	50	2	52,956	88,260
4	1.5"	C701-12 Turbine Type, Class I, Vertical Shaft Type	100	3	3,840	12,800
5	2"	C704-15 Propeller Type	120	4	3,912	15,648
6	3"	C704-15 Propeller Type	300	10	396	3,960
7	4"	C704-15 Propeller Type	600	20	252	5,040
8	6"	C704-15 Propeller Type	1,350	45	72	3,240
9	8"	C704-15 Propeller Type	1,800	60	24	1,440
10	10"	C704-15 Propeller Type	2,400	80	12	960
11	12"	C704-15 Propeller Type	3,375	113	0	0
12	Total				256,608	326,432

Note: The total number of bills in Table 4-23 excludes private fire accounts

Table 4-24: Extra Capacity Costs Component – Unit Rate

Peaking/Capacity Component	
Extra Capacity Revenue Requirement	\$9,890,204
÷ Capacity EMUs	326,432
Monthly Unit Rate	\$30.298

Table 4-25: Units of Service for RTS

Line No.	Meter Size	AWWA 3/4" Ratio	# of Bills w/ Private Fire	Units of Service (EMUs)
		A	B	C = A x B
1	5/8"	0.67	180	120
2	3/4"	1.00	198,480	198,480
3	1"	1.67	52,956	88,260
4	1.5"	3.33	3,840	12,800
5	2"	4.00	3,912	15,648
6	3"	10.00	396	3,960
7	4"	20.00	252	5,040
8	6"	45.00	72	3,240
9	8"	60.00	24	1,440
10	10"	80.00	12	960
11	12"	112.50	0	0
12	Total		260,124	329,948

Note: The total number of bills in Table 4-25 includes private fire accounts

Table 4-26: RTS Component – Unit Rate

RTS Component	
RTS Revenue Requirement	\$702,775
÷ Capacity EMUs (w/Private Fire)	329,948
Monthly Unit Rate	\$2.130

Table 4-27: Private Fire Extra Capacity Charges

Line No.	Private Fire Service Charges	Peaking
1	Revenue Requirements	\$208,040
2	Fire Demand Units	79,422
3	Annual Fire Demand Units ([2] x 12)	953,064
4	Monthly Unit Cost of Service ([1] / [3])	\$0.218

Table 4-29: Water Supply Sources – Quantity and Effective Rate

Water Source	Available for Purchase (AF)	Available Supply (AF) After 3.5% Water Loss	Unit Cost (\$/AF)	Available Supply (hcf)	Effective Cost (\$/AF)	Effective Unit Cost (\$/hcf)
	A	B = A x (1-0.035)	C	D = B * 435.6	E = (A*C) ÷ B	F = E ÷ 435.6
Meeks & Daley (M&D)	227	219	\$643.27	95,420	\$666.60	\$1.53
Elsinore Valley MWD	4,680	4,516	\$628.00	1,967,257	\$650.78	\$1.49
City of Riverside	2,301	2,220	\$875.27	967,235	\$907.02	\$2.08
MWD Tier 1	14,542	14,034	\$1,163.14	6,112,993	\$1,205.33	\$2.77

Table 4-30: Allocation of Water Supplies (HCF) for Unit Rate (\$/HCF)

Line No.	Tier/Customer Class	Projected Sales (HCF)	Meeks & Daley	Elsinore	City of Riverside	MWD Tier 1	Unit Rate (\$/HCF)
1	Tier 1 - Essential Use	2,780,166	90,452	1,864,817	824,898		\$1.670
2	Tier 2 - Efficient Use	5,125,104			91,970	5,033,134	\$2.755
3	Tier 3 - Inefficient Use	433,188				433,188	\$2.767
4	Tier 4 - Unsustainable Use	328,352				328,352	\$2.767
5	Agriculture	261,772	2,732	56,325	27,693	175,022	\$2.408
6	March East	214,323	2,237	46,115	22,673	143,297	\$2.408
7	Total	9,142,905	95,420	1,967,257	967,235	6,112,993	
8	Total Available Supply	9,142,905	95,420	1,967,257	967,235	6,112,993	

Table 4-31: Projected Water Supply Costs and Unit Rates

Tier/Customer Class	Projected Sales (HCF)	Unit Rate (\$/HCF)	Revenue Requirements
	A	B	C = A x B
Tier 1 - Essential Use	2,780,166	\$1.670	\$4,642,877
Tier 2 - Efficient Use	5,125,104	\$2.755	\$14,119,662
Tier 3 - Inefficient Use	433,188	\$2.767	\$1,198,631
Tier 4 - Unsustainable Use	328,352	\$2.767	\$908,550
Agriculture	261,772	\$2.408	\$630,347
March East	214,323	\$2.408	\$516,090
Total	9,142,905		\$22,016,157

Table 4-32: Delivery Component - Unit Rate

Delivery Component	
Delivery Revenue Requirement	\$9,510,595
÷ Projected Sales (HCF)	9,142,905
Monthly Unit Rate	\$1.041

Table 4-33: Efficiency Component – Unit Rates

Tier/Customer Class	Projected Sales (HCF)	Unit Tier Rate (\$/HCF)
Tier 1 - Essential Use	2,780,166	N/A
Tier 2 - Efficient Use	5,125,104	N/A
Tier 3 - Inefficient Use	433,188	\$0.300
Tier 4 - Unsustainable Use	328,352	\$0.880
Agriculture	261,772	\$0.040
March East	214,323	\$0.040

Table 4-34: Derivation of Revenue Offset Unit Cost

Line No.	Tier/Customer Class	Projected Sales (HCF) A	Allocation Factor B	Equivalent Sales (HCF) C = A x B	% Equivalent Sales D = C ÷ C4	Revenue Offset Share E = C x E4	Unit Rate (\$/HCF) F = E ÷ A
1	Tier 1	2,780,166	1.00	2,780,166	33.9%	(\$2,299,497)	(\$0.83)
2	Tier 2	5,125,104	1.00	5,125,104	62.6%	(\$4,239,013)	(\$0.83)
3	Agriculture	261,772	1.10	287,949	3.5%	(\$238,165)	(\$0.91)
4	Total	8,167,042		8,193,219	100%	(\$6,776,675)	

Table 4-35: Pumping Charge – Unit Rates (\$/HCF)

Line No.	Power Zone	Unit Rate (\$/HCF)
1	Power Zone 2	\$0.140
2	Power Zone 3	\$0.181
3	Power Zone 4	\$0.229
4	Power Zone 5	\$0.686

Table 4-36: FY 2023 Rates for Fixed System Charge (\$/Meter Size)

Meter Size	Meter Cost 3/4" Ratio A	AWWA 3/4" Ratio B	Billing & CS C	Meters & Service D = \$1.18 x A	Extra Capacity E = \$30.30 x B	Total Fixed System Charge F = C + D + E
5/8"	0.94	0.67	\$5.88	\$1.11	\$20.20	\$27.19
3/4"	1.00	1.00	\$5.88	\$1.18	\$30.30	\$37.36
1"	1.21	1.67	\$5.88	\$1.43	\$50.50	\$57.81
1.5"	1.93	3.33	\$5.88	\$2.29	\$100.99	\$109.16
2"	2.63	4.00	\$5.88	\$3.12	\$121.19	\$130.19
3"	5.09	10.00	\$5.88	\$6.03	\$302.98	\$314.89
4"	5.72	20.00	\$5.88	\$6.78	\$605.96	\$618.61
6"	10.14	45.00	\$5.88	\$12.01	\$1,363.41	\$1,381.30
8"	14.72	60.00	\$5.88	\$17.44	\$1,817.87	\$1,841.19
10"	22.69	80.00	\$5.88	\$26.88	\$2,423.83	\$2,456.59
12"	31.03	112.50	\$5.88	\$36.76	\$3,408.51	\$3,451.15

Table 4-37: Final FY 2023 Fixed System Charge (\$/Meter Size)

Meter Size	Preliminary FY 2023 FSC A	Property Tax Revenue Offset B	Final FY 2023 FSC C = A + B
5/8"	\$27.19	\$0.00	\$27.19
3/4"	\$37.36	\$0.00	\$37.36
1"	\$57.81	\$0.00	\$57.81
1.5"	\$109.16	\$0.00	\$109.16
2"	\$130.19	\$0.00	\$130.19
3"	\$314.89	\$0.00	\$314.89
4"	\$618.61	\$0.00	\$618.61
6"	\$1,381.30	(\$145.69)	\$1,235.61
8"	\$1,841.19	(\$361.95)	\$1,479.24
10"	\$2,456.59	(\$672.97)	\$1,783.62
12"	\$3,451.15	(\$1,259.08)	\$2,192.07

Table 4-40: FY 2023 Rates for Private Fire Fixed System Charges (\$/Meter Size)

Meter Size	No of Meters	Fire Demand Ratio	Billing & CS	Meter Service	Peaking	Monthly FSC
	A	B	C	D	E = \$0.218 x B	F = C + D + E
3"	1	17.98	\$5.88	\$1.18	\$3.92	\$10.98
4"	46	38.32	\$5.88	\$1.18	\$8.35	\$15.41
6"	53	111.31	\$5.88	\$1.18	\$24.27	\$31.33
8"	67	237.21	\$5.88	\$1.18	\$51.71	\$58.77
10"	118	426.58	\$5.88	\$1.18	\$92.99	\$100.05
12"	8	689.04	\$5.88	\$1.18	\$150.21	\$157.27

Table 4-42: Proposed FY 2023 Commodity Charge Rates (\$/HCF)

Customer Class/Service Area	Water Supply	Delivery	Efficiency	Revenue Offset	Proposed Commodity Rate
	A	B	C	D	E = A + B + C + D
Water Budget Rates					
Tier 1 - Essential Use	\$1.670	\$1.041	\$0.000	(\$0.827)	\$1.884
Tier 2 - Efficient Use	\$2.755	\$1.041	\$0.000	(\$0.827)	\$2.969
Tier 3 - Inefficient Use	\$2.767	\$1.041	\$0.300	\$0.000	\$4.108
Tier 4 - Unsustainable Use	\$2.767	\$1.041	\$0.880	\$0.000	\$4.688
Uniform Rates					
Agriculture	\$2.408	\$1.041	\$0.040	(\$0.909)	\$2.580
March East	\$2.408	\$1.041	\$0.040	\$0.000	\$3.489

RIVERSIDE NON-POTABLE TABLES

Table 5-2: Non-Potable Fixed System Charge Revenue Requirement FY 2023

Meter Size	# of Meters	Riverside Proposed Fixed	Proposed RTS Charge	Fixed Revenue Requirement	RTS Revenue Requirement
	A	B	C	D = A x B x 12	E = A x C x 12
5/8"	0	\$27.19	\$1.42	\$0.00	\$0.00
3/4"	2	\$37.36	\$2.13	\$896.67	\$51.12
1"	15	\$57.81	\$3.55	\$10,405.53	\$639.00
1.5"	15	\$109.16	\$7.10	\$19,648.42	\$1,278.00
2"	97	\$130.19	\$8.52	\$151,536.11	\$9,917.28
3"	15	\$314.89	\$21.30	\$56,679.67	\$3,834.00
4"	10	\$618.61	\$42.60	\$74,233.48	\$5,112.00
6"	3	\$1,381.30	\$95.85	\$49,726.64	\$3,450.60
8"	3	\$1,841.19	\$127.80	\$66,282.81	\$4,600.80
10"	1	\$2,456.59	\$170.40	\$29,479.06	\$2,044.80
12"	4	\$3,451.15	\$239.63	\$165,655.15	\$11,502.24
Total	165			\$624,544	\$42,430

Table 5-3: Total Non-Potable Fixed Revenue Requirement

Total Fixed Revenue Requirement	
Fixed Revenue Requirement	\$624,544
RTS Revenue Requirement	\$42,430
Total	\$666,973

Table 5-4: Non-Potable Functionalized Expenses

Functionalized Expenses	(\$)
Fixed Revenue Requirement	\$666,973
Variable Revenue Requirement	\$4,886,200
Purchased Power	\$861,411
Water Use Efficiency	\$64,932
Total	\$6,479,516

Table 5-5: Allocation of Functionalized Costs to Cost Components

Functionalized Costs	FY 2023				
	Budget	Base/Delivery	Fixed Charges	Efficiency	Elevation
Fixed Revenue Requirement	\$666,973		\$666,973		
Variable Revenue Requirement	\$4,886,200	\$4,886,200			
Purchased Power	\$861,411				\$861,411
Water Use Efficiency	\$64,932			\$64,932	
Revenue Offset	(\$1,105,634)	(\$1,105,634)			
Total	\$5,373,882	\$3,780,566	\$666,973	\$64,932	\$861,411

Table 5-6: Final FY 2023 Fixed System Charge (\$/Meter Size)

Meter Size	Preliminary FY 2023 FSC	Property Tax Revenue Offset	Final FY 2023 FSC
	A	B	C = A + B
5/8"	\$27.19	\$0.00	\$27.19
3/4"	\$37.36	\$0.00	\$37.36
1"	\$57.81	\$0.00	\$57.81
1.5"	\$109.16	\$0.00	\$109.16
2"	\$130.19	\$0.00	\$130.19
3"	\$314.89	\$0.00	\$314.89
4"	\$618.61	\$0.00	\$618.61
6"	\$1,381.30	(\$145.69)	\$1,235.61
8"	\$1,841.19	(\$361.95)	\$1,479.24
10"	\$2,456.59	(\$672.97)	\$1,783.62
12"	\$3,451.15	(\$1,259.08)	\$2,192.07

Table 5-7: Delivery Component – FY 2023 Unit Rate

Base/Delivery Cost Component	
Variable Revenue Requirement	\$4,886,200
÷ Projected Sales (HCF)	1,623,300
Monthly Unit Rate	\$3.010

Table 5-8: Efficiency Component – FY 2023 Unit Rate

Water Efficiency Cost Component	
Water Efficiency Costs	\$64,932
÷ Projected Sales (HCF)	1,623,300
Monthly Unit Rate	\$0.040

Table 5-9: Non-Potable Revenue Offset – FY 2023 Unit Rate

Line No.	Customer Class	Projected Use (HCF)	Allocation Factor	Property Tax Allocation	Property Tax Allocation
		A	B	C	D
1	Landscape	864,000	0.41	\$454,800	(\$0.53)
2	Agriculture	759,300	0.59	\$650,834	(\$0.86)
3	Total	1,623,300		\$1,105,634	

Table 5-12: Proposed FY 2023 Variable Commodity Charge Rates (\$/HCF)

Customer Class	Base / Delivery	Efficiency	Revenue Offset	Total Commodity Rate
	A	B	C	D = A + B + C
Landscape	\$3.010	\$0.040	(\$0.526)	\$2.524
Agriculture	\$3.010	\$0.040	(\$0.857)	\$2.193

RAINBOW TABLES

Table 6-2: FY 2023 Rainbow Fixed Revenue Requirement Derivation

Meter Size	# of Meters	Proposed Fixed Charge	Proposed RTS Charge	Fixed Revenue Requirement	RTS Revenue Requirement
	A	B	C	D = A x B x 12	E = A x C x 12
5/8"	0.00	\$27.19	\$1.42	\$0	\$0
3/4"	24.00	\$37.36	\$2.13	\$10,760	\$613
1"	13.00	\$57.81	\$3.55	\$9,018	\$554
1.5"	2.00	\$109.16	\$7.10	\$2,620	\$170
2"	1.00	\$130.19	\$8.52	\$1,562	\$102
Total				\$23,960	\$1,440

Table 6-3: FY 2023 Rainbow Total Fixed Revenue Requirement

Total Fixed Revenue Requirement	
Fixed Revenue Requirement	\$23,960
RTS Revenue Requirement	\$1,440
Total	\$25,400

Table 6-4: Rainbow Functionalized Costs

Functionalized Expenses	(\$)
Fixed Revenue Requirement	\$25,400
Variable Revenue Requirement	\$179,428
Purchased Power	\$4,875
Total	\$209,703

Table 6-5: Allocation of Cost Components

Functionalized Costs	FY 2023	Base /	Fixed Charges	Elevation
	Budget	Delivery	C	D
	A	B		
Fixed Revenue Requirement	\$25,400		\$25,400	
Variable Revenue Requirement	\$179,428	\$179,428		
Purchased Power	\$4,875			\$4,875
Revenue Offset	(\$142,860)	(\$142,860)		
Total	\$66,843	\$36,568	\$25,400	\$4,875

Table 6-6: Delivery Component – FY 2023 Unit Rate

Delivery Component	
Variable Revenue Requirement	\$36,568
÷ Projected Sales (HCF)	12,790
Monthly Unit Rate	\$2.859

Table 6-7: Pumping Charge – FY 2023 Unit Rate (\$/HCF)

Elevation Component	
Pumping Revenue Requirement	\$4,875
÷ Projected Sales (HCF)	12,790
Monthly Unit Rate	\$0.381